

वार्षिक जल पुस्तिका

WATER YEAR BOOK

(जून 2016 – मई 2017)

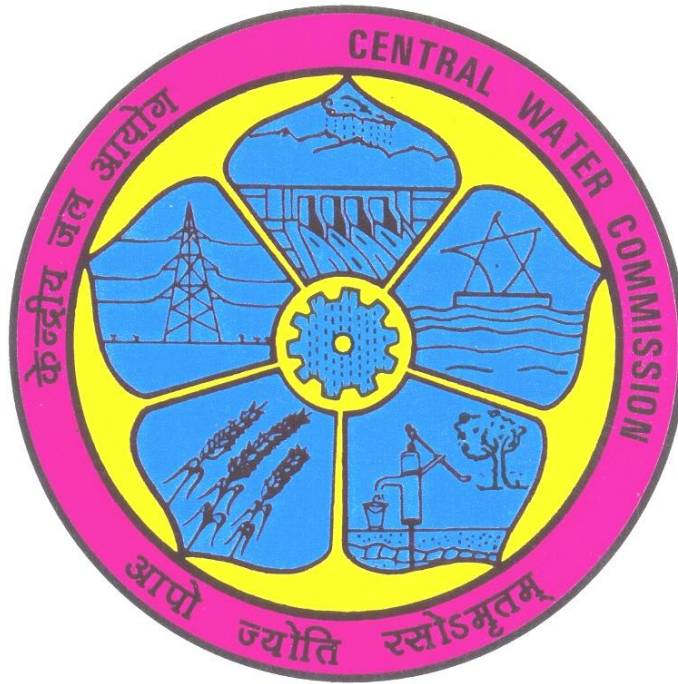
(JUNE 2016 - MAY 2017)

पूरब प्रवाही नदियाँ बेसिन

EAST FLOWING RIVERS BASIN

खंड—I, नदी प्रवाह एवं निलंबित गाद आँकड़ा

Volume-I, Stream Flow & Suspended Sediment Data



कावेरी एवं दक्षिणी नदियाँ परिमण्डल, बेंगलूरु

CAUVERY & SOUTHERN RIVERS CIRCLE, BENGALURU

कावेरी एवं दक्षिणी नदियाँ संगठन, कोयंबतूर

CAUVERY & SOUTHERN RIVERS ORGANISATION, COIMBATORE

जनवरी - 2018

JANUARY - 2018

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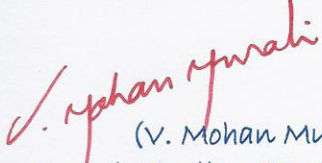
PREFACE

Water is a precious natural resource with almost fixed quantum of availability. Fresh water has been becoming a scarce commodity day by day in whole world. It's planning and optimal utilization calls for a well developed Data Bank and maintenance of the Data Bank by regular updation. The Central Water Commission under the Union Ministry of Water Resources, River Development and Ganga Rejuvenation, besides being an apex body on Water Resources Sector, has been maintaining a vast system of hydrological data collection Network in different River Basins in India. The collected Hydrological data is being published every water year on basin wise for the benefit of users. This book pertains to the data of East Flowing Rivers Basin from Pennar and Kanyakumari (except Cauvery) under the states of Andhra Pradesh, Tamil Nadu, Puducherry and Karnataka.

With the advent of computerisation of the data, the format of publishing the Water Year Book has also undergone lot of changes. As per the revised format, the Water Year Book is being published in Two Volumes, Volume-I Containing the Stream Flow and Suspended Sediment Data and the Volume-II containing the Water Quality Data. The Book presented here contains the Stream Flow and the Suspended Sediment data in Volume-I for the Water Year 2016-17.

The efforts made by the Southern Rivers Division, Coimbatore, Hydrology Division, Chennai under this Circle and Lower Krishna Division, Hyderabad under Krishna & Godavari Basin Organization, Hyderabad in bringing out this Book deserves appreciation.

Bengaluru
JANUARY 2018.


(V. Mohan Murali)
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प्रस्तावना

जल लगभग तय मात्रा में उपलब्धता के साथ एक कीमती प्राकृतिक संसाधन है। ताजा पानी पूरी दुनिया में दिन-ब-दिन एक दुर्लभ वस्तु बन गया है। यह योजना है कि जल संसाधनों का इष्टतम उपयोग के लिए एक अच्छी तरह से विकसित डाटा बैंक की हो और नियमित रूप से डाटा बैंक का अद्यतन किया जाना चाहिए। जल संसाधन, नदी विकास और गंगा संरक्षण मंत्रालय के अंतर्गत केन्द्रीय जल आयोग जल संसाधन क्षेत्र के शीर्ष मंत्रालय के निकाय होने के अलावा भारत के विभिन्न नदी घाटियों का हाइड्रोलॉजिक डाटा संग्रह का एक विशाल नेटवर्क प्रणाली बनाये रखा है। एकत्रित हाइड्रोलॉजिक डाटा का प्रकाशन प्रत्येक जल वर्ष पुस्तक में बेसिन क्रम में उपयोगकर्ताओं के लाभ के लिए किया जाता है। इस पुस्तक में आंध्रप्रदेश, तमिलनाडु पुडुचेरी तथा कर्नाटक राज्यों के अंतर्गत पूर्व की ओर बहने वाली नदियों बेसिन (कावेरी नदी को छोड़कर) का डाटा है।

डाटा के कम्प्यूटरीकरण के आगमन से जल वर्ष पुस्तक के प्रकाशन प्रारूप में बहुत परिवर्तन आया है। संशोधित प्रारूप के अनुसार जल वर्ष पुस्तक दो संस्करणों में प्रकाशन हो रहा है। प्रथम संस्करण में धारा प्रवाह तथा निलंबित तलछट डाटा और द्वितीय संस्करण में जल गुणवत्ता डाटा के साथ प्रकाशित किया जा रहा है। 2016-17 के जल वर्ष पुस्तक के प्रथम संस्करण में धारा प्रवाह तथा निलंबित तलछट डाटा शामिल है।

इस परिमंडल के अंतर्गत दक्षिणी नदियाँ मंडल कोयंबतूर, जल विज्ञान मंडल चेन्नई तथा कृष्णा एवं गोदावरी बेसिन संगठन के अंतर्गत ऊपरी कृष्णा मंडल, पूने के प्रयासों से इस पुस्तक का प्रकाशन हुआ सभी प्रशंसा के हकदार है।

बेंगलुरु
जनवरि 2018

वू. मोहन मुरलि
(वू. मोहन मुरलि)
अधीक्षण अभियंता

कावेरी एवं दक्षिणी नदियाँ परिमण्डल

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1.0 BASIN DESCRIPTION

1.1 GEOGRAPHICAL DESCRIPTION OF THE BASIN

The basin of East flowing rivers consists of a number of independent river basins of peninsular India lying to the South of Krishna basin, except Cauvery basin. The East flowing rivers are draining into the Bay of Bengal.

The basin of the East flowing rivers (excluding Cauvery) covers large areas in the states of Andhra Pradesh, Tamil Nadu, Puducherry and a small area in the state of Karnataka. There are twelve river basins of which the Pennar, Palar and Ponnaiyar are more important. Other river basins are the Gundlakamma, the Palaru, the Swarnamukhi, the Kalingi, the Varahanadi, the Vellar, the Vaigai, the Vaippar and the Tambraparani.

There are **27** Hydrological Observation Stations and **23** Rain Gauge Stations maintained by Central Water Commission. Also, the Government of Tamil Nadu is maintaining another 40 Hydrological Observation Stations and 208 Rain Gauge Stations. Further, 10 Nos of Rain Gauge Stations are maintained by IMD. A basin map showing Hydrological Observation Stations and Rain Gauge Stations of both Central Water Commission and India Meteorological Department (IMD) is presented in **Plate-I**. The details of classification of CWC Hydrological observation stations is given in **Annexure-I**. Another map showing Hydrological observation stations and Rain Gauge Stations maintained by Tamil Nadu State Government is enclosed as **Plate-II**. The Tree Structures of Pennar, Palar and Ponnaiyar River Basins are also enclosed as **Plates- III, VI & VIII** respectively.

1.2 DESCRIPTION OF THE RIVER SYSTEM

THE GUNDLAKAMMA

The Gundlakamma river rises near Iskagundam village in Kurnool district at an elevation of 600 m from the Eastern slopes of the Nallamala hills at North latitude 15° 38' and East longitude 78° 47' and flows in a North-East, East and Southern direction for a total length of 220 km to join the Bay of Bengal. The total area drained by this river is 8,494 Sq Km. The Kandleru is its important left bank tributary. Central Water Commission is operating one Hydrological Observation site on this River at **Marella**.

THE PENNAR

The Pennar river is one of the major East flowing rivers in Southern India. It rises in the Chennakesava hill of the Nandidurg range in Karnataka, flows in the North - Westerly direction through the Kolar and Tumkur Districts of Karnataka. It enters Andhra Pradesh in the Hindupur taluk of Anantapur district, runs Eastwards before draining into the Bay of Bengal near Nellore. The Basin lies between East longitude 77° 04' to 80° 10' and North latitude 13° 16' to 15° 52'. The Pennar drains an area of 55,213 Sq.Km in the states of Karnataka and Andhra Pradesh as below.

Name of State	Catchment Area (in Sq.Kms)	Percentage of Total Catchment area.
Karnataka	6,937	12.6
Andhra Pradesh	48,276	87.4
Total	55,213	100.0

The total length of Pennar river is 597 Km of which 61 Km runs in Karnataka and the rest in Andhra Pradesh. This river has six major tributaries namely, the Jayamangali, the Kunderu and the Sagileru joining from the left, the Chitravathi, the Papagni and the Cheyyeru joining on the right.

The Catchment Area, Length and elevation at source of some of the important tributaries joining the Pennar are given below:

Name of the River	Bank	Elevation at source (M) -above MSL	Length (Km)	Catchment Area (Sq. Kms)
Jayamangali	Left	1200	77	1282
Chitravathi	Right	1200	218	5908
Kunderu	Left	500	205	8057
Papagni	Right	950	205	7423
Sagileru	Left	700	141	3077
Cheyyeru	Right	700	87	7325

Central Water Commission is operating 9 Hydrological Observation sites on Main Pennar and its tributaries located at i) Nellore, ii) Nandipalli, iii) Chennur, iv) Alladupalli, v) Kamalapuram, vi) Nandalur, vii) Tadipatri, viii) Nagalamadike and ix) Singavaram.

THE SWARNAMUKHI

The Swarnamukhi is an East Flowing river basin having a Catchment area of 3,225 Sq.Km. It rises at an elevation of 300 m in the Eastern Ghat ranges near Pakala village in Chittur district of Andhra Pradesh at North latitude 13° 28' and East longitude 79° 09'. It runs generally in the North-Eastern direction passing through the famous Tirupati hills before joining into the Bay of Bengal. Its total length is 130 Km. This is an independent river and has no major tributaries and therefore its flow depends only on rainfall in its upper Catchment. The Hydrological observation site on this River is located at **Naidupeta**.

THE KALINGI

The river Kalingi is one of the East flowing rivers in Andhra Pradesh. It originates near Kalahasti in Andhra Pradesh and drains completely in Andhra Pradesh and joins Pulicat lake after Sulurpet. The Catchment area of Kalingi river is 5,927 Sq.Km and the length is 76 Km. The important tributary is Kalleru river which joins Kalingi river after Sulurpet town. Central Water Commission is operating one Hydrological Observation site on this River at **Sulurpet**.

THE PALAR

The Palar Basin is an important basin among the 12 basins lying between the Pennar and the Cauvery basins. This basin is divided into three major topographical divisions namely, i) the hill ranges of Eastern Ghats ii) the plateau region and iii) the coastal plains. Though most of the drainage area lies in Tamil Nadu, its drainage area extends to cover the South-East and South-Western parts of Karnataka and Andhra Pradesh respectively. The shape of the basin is rhombus and finds its outlet in to Bay of Bengal. Central Water Commission is operating 4 Hydrological Observation sites on this basin at **i) Avarankuppam, ii) Arcot iii) Magaral and iv) Chengalpet**.

The Palar drains an area of 17,871 Sq.Kms out of which nearly 57 percent lies in Tamil Nadu and the balance in the states of Karnataka and Andhra Pradesh. The State wise distribution of the drainage area is given below:

Name of State	Drainage Area (Sq.Kms)	Percentage of Total
Karnataka	3044	17.0
Andhra Pradesh	4681	26.2
Tamil Nadu	10146	56.8
Total	17871	100.0

The river Palar rises beyond Talagvare village in the Kolar district of Karnataka state at an elevation of about 900 m above m.s.l. The total length of this East flowing river from its origin to its outfall into the Bay of Bengal is about 348 Km. The flow is generally in the South-Easterly direction for the first 93 Km. Then it flows through the Kolar District of Karnataka, before entering the Chittoor District of Andhra Pradesh, through which it flows for another 33 Kms. After passing through the States of Karnataka and Andhra Pradesh the river enters the Vellore District of Tamil Nadu. After traversing for another 222 Kms in Vellore and Kanchipuram Districts in Tamil Nadu, the river Palar finally discharges into Bay of Bengal near Kuvattur. On its way, the river Palar receives two important tributaries namely, the Poini on the left bank and the Cheyyar on the right bank. These two important tributaries i.e the Poini and the Cheyyar, together account for nearly 25 percent of the total Catchment of the Palar basin. The Poini rises in the Chittoor district of Andhra Pradesh at an elevation of 1,050 m and flows generally in the Easterly and South-Easterly direction before joining the Palar on its left bank near Walajapet. The Cheyyar, another major tributary rises in the Jawadu hills in the Chengam taluk of Tiruvannamalai district of Tamil Nadu and flows generally in the North-Easterly direction before confluencing with the Palar near Tirumukkudal. The catchment area, length and elevation at source of these two tributaries are given below:

Name of River	Bank	Elevation at source above m.s.l.(m)	Length (Km)	Catchment Area (Sq.Km)
Poini	Left	1,050	90	2,400
Cheyyar	Right	1,080	190	1,953

THE VARAHANADI

The main river Varahanadi originates from the Northern part of Pakkammalai hills at an elevation of 566 m above m.s.l, in the Western slopes past of Gingee Taluk. It has two arms. The left arm originates from Melmalayanur while the right arm originates from Pakkammalai hills and they join together near Thenpalai village and forms the main river Varahanadi and flows in an Easterly direction. On its way, the river Varahanadi receives a number of small streams and rivulets. The total area of the basin is 2564 Sq.Kms. The river runs in Easterly direction up to Kodukkur and South-Easterly direction alternately in Tami Nadu and Puducherry states. The total length of Varahanadi up to its outfall into Bay of Bengal, a little South of Puducherry state, is about 78.50 kms. There is one Hydrological Observation Site on this stream at **Kumarapalayam** being operated by Central Water Commission.

THE PONNAIYAR

The Ponnaiyar Basin is the second largest interstate East flowing river basin among the 12 basins lying between the Pennar and Cauvery basins. It covers a large area in the state of Tamil Nadu besides the areas covered in the states of Karnataka and Andhra Pradesh. It lies between East longitude 77° 33' to 79° 47' and North latitude 11° 45' to 13° 30'. The Basin is bounded on the North -West and South by various ranges of the Eastern Ghats like the Velikonda Range, the Nagari hills, the Javadu hills, the Shevaroy hills, the Chitteri hills and the Kalrayan hills and in the East by the Bay of Bengal.

The Ponnaiyar drains an area of 16,019 Sq Kms out of which nearly 77 percent lies in Tamil Nadu. The State wise distribution of the drainage area is as follows:

Name of State	Drainage Area (Sq.Kms)	Percentage of Total
Karnataka	3,530	22.0
Andhra Pradesh	210	1.3
Tamil Nadu	12,279	76.7
Total	16,019	100.0

The Ponnaiyar or the Dakshina Pinakini River rises near Hongashenhalli village at an elevation of about 900 m above m.s.l at North latitude 13° 25' and East longitude 77° 58' in the Kolar district of Karnataka state. From its origin, the river Ponnaiyar generally flows in the Southern direction for a length of 79 km. through Kolar and Bangalore districts of Karnataka before entering the Dharmapuri district of Tamil Nadu. The river flows another 247 Kms generally in the South-Easterly direction in the districts of Dharmapuri, Vellore, Tiruvannamalai, Cuddalore and Villupuram. The river then flows in Easterly direction below the Tirukoyilur anicut for another 70 Kms before finding its way into Bay of Bengal. The river Ponnaiyar branches into two, the Gadilam and the Ponnaiyar below the Tirukoyilur anicut. The Gadilam joins the Bay of Bengal near Cuddalore and the Ponnaiyar near the Union Territory of Pondicherry. On its way, the river receives a number of small streams and rivulets. . Central Water Commission is operating 3 Hydrological Observation sites on this stream at **i) Gummanur, ii) Vazhavachanur and iii) Villupuram.** While the Site Gummanur is situated up-stream of Krishnagiri Reservoir the sites Vazhavachanur and Villupuram are operating downstream of Sathanur reservoir.

THE VELLAR

The basin is located between Ponnaiyar and Cauvery basins. The Vellar river rises at an elevation of 900 m near the village of Tumba in the Chittori hills, of the Eastern Ghats in the Salem district of Tamil Nadu. It flows generally in an Easterly direction for a total length of 210 Km in the Salem and Cuddalore districts in Tamil Nadu and finally out falls in to the Bay of Bengal near Porto Nova in Cuddalore district. The Gomukinadhi and Manimukthanadhi are the important left tributaries and Swetanadhi and Chinnar are the right tributaries of the Vellar. The Vellar drains an area of 8,922 Sq.Km. One Hydrological Observation site at **Kudalaiyathur** is located on this stream.

THE VAIGAI

The Vaigai basin is an important basin among the 12 basins lying between the Cauvery and Kanyakumari. This basin is bounded by the Varushanadu hills, the Andipatti hills, the Cardaman hills and the Palani hills on the West and by the Palk strait and Palk Bay on the East. This basin is divided into two major topographical divisions namely (i) the hilly areas and (ii) the plains. The basin is elongated in shape and drains into the Palk Bay. The Vaigai drains an area of 7,741 Sq.Km, which entirely lies in the state of Tamil Nadu.

The Vaigai river rises on the Eastern slopes of the Varushanadu hills at an elevation of 1,200 m above m.s.l near Kottaimalai in the Madurai district at North latitude 9° 32' and East longitude 77° 23' and flows in the Northerly and North-Easterly directions up to its confluence with the Varahanadi and then takes a turn towards the East and South-East to flow through Madurai, Sivagangai and Ramanathapuram districts. After traversing for about 258 Km, the river Vaigai discharges into Ramnad big tank and some other tanks. The surplus water from the tanks finally discharges into the Palk Bay near Mandapam. On its way, the Vaigai receives two important tributaries namely, the Suruliyar and the Manjalar on its left bank, besides a large number of small streams and rivulets. The river has been dammed down stream of its confluence with the Suruliyar.

The Suruliyar and the Manjalar, the two important left bank tributaries together account for nearly 20 percent of the total Catchment area of the Vaigai. The Suruliyar, the principal tributary of the Vaigai also rises in the Eastern slopes of the Varushanadu hills and flows in the North and North-Easterly direction. It receives Theniar on its left bank, just before its confluence with the Vaigai. The Manjalar another major tributary rises in the Palani hills and flows generally in the Easterly direction before joining the Vaigai below the Vaigai dam. The Manjalar is joined by the Marudhanadhi on its left bank before joining the Vaigai. The Vaigai also receives another minor tributary namely, the Varahanadi on its left bank below the Vaigai dam. The Catchment area, length and elevations at source of the important tributaries are given below.

Name of the River	Bank	Elevation at source above m.s.l (M)	Length (Km)	Catchment Area (Sq.Km)
Manjalar	Left	1,948	40	375
Suruliyar	Left	1,628	60	1,210
Varahanadi	Left	2,502	40	380

Central Water Commission is operating **THREE** Hydrological Observation Stations on this basin i.e at **Paramakudi & Ambasamudram** on R-Vaigai and other at **Theni** on R-Suruliyar, a tributary of R-Vaigai.

THE VAIPPAR

The Vaippar river rises on the Eastern slopes of the Varushanadu hill ranges of the Western Ghats near Sivagiri in Thirunelveli district in Tamil Nadu at an elevation of about 900 m. It flows generally in an Easterly direction for a length of about 125 km through Thirunelveli, Virudhunagar and Tuticorin districts in Tamil Nadu and joins the gulf of Mannar near Kalattur. The river basin is located on South of Vaigai. It drains a total Catchment area of 5,069 Sq.Km. The Catchment area lies entirely in Tamil Nadu. The Arjunanadhi and Vijayanadhi are the important tributaries. Both the tributaries are left tributaries. There is one Hydrological observation Station at **Irrukkankudi** on this stream operated by Central Water Commission.

THE TAMBRAPARANI

The Tambraparani river rises on the Eastern slopes of the Western Ghats at an elevation of about 1,400 m at North latitude 8° 46' and East longitude 77° 15' near Alwarkurichi village in Thirunelveli district of Tamil Nadu to flow in a generally Easterly direction for a total length of 130 km and join the gulf of Mannar. The Chittar and Manimuthar are the important left and right bank tributaries of the Tambraparani. The Tambraparani drains an area of 5,482 Sq.Km. Two Hydrological Observation Stations are being operated by Central Water Commission one on R- Tambraparani at **Murappanadu** and the another at **A.P.Puram** on R-Chittar, a tributary of of R- Tambraparani.

1.3 CLIMATIC CHARACTERISTICS

The normal annual rainfall in the above 11 basins varies from region to region. The coastal areas of the basins get heavier rainfall than the Western parts. In the basins Swarnamukhi, Palar & Ponnaiyar, the rainfall decreases from 1270 mm in the coastal region to 762 mm in the Western parts. In the Pennar basin, it decreases from 988 mm in the coastal region to 508 mm in the Western parts.

As the basins mentioned above are subject to tropical climate, the temperature varies with season. The mean maximum temperature in the month of May varies from 41° C in Kadapa region of Pennar basin to 30° C in the

Palar & Ponnaiyar basin. The mean minimum temperature varies from 17° C in Pennar basin to 25° C in Palar & Ponniyar basins.

The Climatic features of Basins Pennar, Palar, Vaigai and Swarnamukhi are given below in some detail.

THE PENNAR

The normal annual rainfall decreases from 988 mm at Nellore in the Eastern end of the basin to about 508 mm at the Western end. A large part of the basin lying in the state of Karnataka and Anantapur, Kurnool and Kadapa districts of Andhra Pradesh receive less than 762 mm rainfall. Parts of Nellore and Kadapa districts, adjacent to the seacoast receive some rain from the retreating monsoon also.

The entire basin is practically dry and the interior of the basin, especially Kadapa district, experiences severe heat during hot weather which normally extends from the middle of February to the middle of June. The mean of maximum and mean of minimum temperatures at places like Kadapa and Arogyavaram are 40.9° C and 16.9° C respectively. In the cool weather the mean of maximum and the mean of minimum temperatures are 34.6° C and 15.2° C respectively.

THE PALAR

In this basin, rainfall varies from region to region. The coastal districts in the basin get heavier rainfall than the Western parts. The rainfall decreases from 1,270 mm at the Eastern extremity of the basin to 762 mm at the Western extremity. This basin receives rainfall from both the monsoons i.e., during the South -West monsoon Western part of the basin gets rain, whereas, the Eastern parts receive rainfall during the North -East monsoon.

As the basin is subject to tropical climate, the temperature of the basin varies with the season. In the month of January the mean temperature varies from 22.5° to 25° C and in the month of May, the mean temperature varies from 30° C to 32.5° C

THE VAIGAI

The rainfall in this basin varies from region to region. The rainfall decreases from 1,270 mm at the Western extremity of the basin to 635 mm at the Eastern extremity and the average rainfall is about 850 mm.

As this basin is situated in the rain shadow area of the Western Ghats, it receives very little rainfall during South-West monsoon in the hilly region. At times, the basin receives heavy rainfall in the coastal regions whenever intensive depression is formed in the Bay of Bengal during North-East monsoon.

This basin is subject to a tropical climate and as such the temperature varies with the region. In the hilly Western part, variation of temperature during the year is less, whereas in the plains the mean temperature is around 25° C in January and 27.5° C to 35° C in May.

THE SWARNAMUKHI

The average annual rainfall in the Swarnamukhi basin decreases from 1270 mm at the Eastern extremity of the basin to 762 mm at the Western extremity. The North- East monsoon sets in the month of October and withdraws by the end of November. The mean of maximum temperature in the catchment varies from 30° C to 32° C and minimum between 22.5° C to 25 °C.

1.4 GEOLOGY

THE PENNAR

The basin consists mainly of red, black, sandy and mixed soil. The important rock formations are hard or crystalline rocks of Archean age Dharwar Super Group, Kadapa series of rocks belonging to Proterozoic age, soil comprising of Guvalacheruvu quartzite, Vempally dolomites, lime stones and shales of Papagni series and Cheyyeru series. The Nallamala series comprise of cumbum shales, which are metamorphosed to slates and phyllites.

THE PALAR

In the upper reaches of the basin it is predominantly covered by granite gneisses, Gondwanas, Kadapa formations of Archaeans belonging to Dharwarian system with basic intrusives. The central portion of the catchment is covered by archaean crystalline hard rock and sedimentary rocks. Alluvial deposits are found all along the coastal belt and Palar River course comprising of marine and riverine deposits. Due to uplift of landmasses and tectonic activities, the archaean dharwarian hard rocks were subjected to deformation into folds and faults and also resulted in shifting of river courses in basin area.

THE VARAHANADI

Major portion of the basin area (84%) comprises of hard crystalline rocks of Archaean groups viz. granulite, biotite, shattered gneiss, magnetite quartzite, pyroxene granulite and charnockite. The general foliation of the rocks are in NNE to NE direction with dip towards SSE to SE direction with an angle of 55° to 80°. The remaining portion of the basin area (16%) consists of sedimentary formation. The marine sediments existing along the coastal area comprises of tidal flats, mudflat and beach/sanddune deposits.

THE PONNAIYAR

The Ponnaiyar basin is covered by the Archaean rocks such as Pyroxene granulites, Quartzite, Ferruginous Quartzite, Amphibolites, Gneiss and Hornblende biotite gneiss with younger intrusive of Pegmatite and Dolerite in the central and western parts. The eastern part is covered by the cretaceous formation of argillaceous, calcareous sandstone with clay and limestone. The tertiary formation is of Cuddalore sandstones and the recent formation of river alluvium and coastal alluvium.

THE VELLAR

Vellar river basin comprises of crystalline rocks of Archaean age on the western part of the basin and sedimentary formation of Cretaceous, Tertiary and Quaternary ages on the eastern part. The oldest rock members, are pyroxenites, amphibolites, gneisses, granulites, quartzites, migmatite. Later, charnockites, granites and younger intrusives of pegmatite occur within the older rocks. The general trend of foliations are NE-SW with variation to East-west and dipping South-east North-west, showing minor flexures in the folding in several locations. 82 % of the basin area comprises of hard rock terrain. 18% of the area is underlain by Cretaceous argillaceous sandstone and shell limestone, Tertiary Cuddalore sandstones and Quaternary alluvium.

THE VAIGAI

Vaigai river basin consists of hard crystalline rock masses of archaean age for the most part (74%) on the western portion and sedimentary rocks of upper gondwana, tertiary and quaternary age on the eastern portion (26%). The archaean formations are metamorphosed rocks such as cordierite, sillimanite bearing gneisses, quartzites, calc, gneisses and granulites. They are associated with basic charnockites and pink granites. Pegmatites intrude in the charnockites, pink granites and gneisses at several locations as intrusive body. Pyroxenite intrusions are also found to occur at fewer places. These archaean formations are well exposed on the western and central area of the vaigai river basin. The high rising mountains composed of the above mentioned rock types have yielded material due to weathering and erosion and they were deposited in the valley and intermontane basins as valley filled sediments and are of quaternary age. On the eastern portion from manamadurai to the bay of bengal, rocks of upper gondwana, tertiary alluvium and coastal alluvium are spread over the archaean formations unconformably. Aeolian sands are also found to occur in isolated pockets in the cumbum valley and coastal areas.

THE VAIPPAR

The Vaippar river basin comprises of the Archaean group of hard rocks viz. charnockite, complex gneiss, limestone and basic metamorphic rocks, young intrusive rocks like pegmatite, quartz veins and sub recent alluvium. Major part of the Vaippar basin except in the west is occupied by complex gneiss like hornblende gneiss, mica gneiss and pink & grey granite gneiss. The next important group is the charnockite series, spread over the western part of the basin. The alluvium extends around 200 meters on either side of the Vaippar river in the eastern part of the basin. Coastal alluvium exists parallel to the coast upto a distance of 4 km from the sea.

THE TAMBAPARANI

Geology of Tamiraparani basin comprises of crystalline rocks of Archaean age on the western portion and sedimentary formation of Tertiary and Quaternary ages on the eastern coastal area. Nearly 90% of the basin area is covered by the crystalline rocks such as metamorphosed rocks (gneisses and charnockites). Sedimentary formations of Tertiary age consists of calcareous tufa sandstones and shell limestones. Quaternary formations are laterite, kankar, shell limestone, alluvium, theri sands and silts. The windblown red sanddunes of Sawyerpuram theri and Kudiraimozhi theri occur in the northeastern and southeastern part of the basin respectively.

1.5 DESCRIPTION OF THE WATER STORAGE/ DIVERSION STRUCTURES

There are as many as 115 completed/on going important major, medium and minor projects across the various streams and their tributaries in all the East flowing rivers basins out of which there are 34 completed/ongoing projects across the Pennar and its distributaries alone. Mylavaram and Somasila are the two important projects in Pennar Basin. The details of projects in Gundlakamma, Pennar, Palar, Ponnaiyar, Vellar, Vaigai, Vaippar and Tambraparani basins are given at **Annexures - II to IX** respectively. The Reservoir data has been taken from the CWC publication 'Storages in river basins of India' (1990), History of irrigation development in Tamil Nadu published by Indian National Committee on Irrigation and Drainage (MOWR), New Delhi (March 2001) and partly collected from the irrigation department, Governments of Andhra Pradesh, Karnataka & Tamil Nadu.

A map showing the location of CWC Hydrological Observation Stations and some of the completed/ongoing Projects is enclosed as **Plate – XIII**.

Salient features of some of the Major projects are given below:

THE PENNAR

MYLAVARAM: This is a completed medium irrigation project across Pennar rivers located near Mylavaram town of Jammalamadugu taluk of Kadapa district in Andhra Pradesh. The project envisages an earthen dam with a gross storage capacity of 283 M.cum. The two canal systems namely, Mylavaram reservoir North and South canals off take from the dam have an irrigation potential of 75,000 acres spread over the Jammalamadugu, Proddatur and Kamalapuram taluks of Kadapa district and Koilkuntla and Allagadda taluks of Kurnool district. The total length of the dam is 2,850 m with top width being 6 m. The height of earthen dam is 24.3 m. The Pennar River has a catchment area of 19,197 Sq.Km up to the dam site.

SOMASILA: This is a major irrigation project under construction across the Pennar river situated near Somasila. This project with a storage capacity of 463 M.Cum in stage-I and 2,093 M.Cum in stage-II is having four canal systems namely, North feeder canal, South feeder canal, Kavali canal and Kanpuru canal and is planned to be completed in two stages.

The length and height of the dam by the completion of second stage are 766.6 m and 40 m respectively. The top width of the dam is 6.86 m in the masonry structure and 9.4 m in the earthen bund.

THE KALINGI

At present there are two medium irrigation projects in this basin namely, (1) Kalingi Reservoir and (2) Thanyali Anicut which irrigate an area of 4,650 acres and 10,000 acres respectively.

THE PALAR

At present there are about 8 completed anicut type structures in the Palar catchment. The salient features of the two important structures, namely, the Palar anicut and the Poini anicut are as follows.

PALAR ANICUT: This anicut is situated across the Palar River, 7 Km below the town of Arcot. The project comprises of (i) an anicut 796 m long and 1.8 m high of brick and rough stone in chunam founded on two rows of circular wells, (ii) a head sluice of 16 vents 2 m each on left bank (iii) two head sluices on the right bank and (iv) the canal system, comprising four channels, two on either side. The water from the channels is led to the tanks, which in turn irrigates an area of about 33,600 hectares. This anicut was commissioned in 1858.

POINI ANICUT: The Poini anicut is located across the river Poini about 19 Km above its confluence with the Palar and about 4 Km South of Poini village in Vellore district. It is 216 m long and 2.4 m high and has canal systems on either side to irrigate an area of 9,690 hectares. This project was completed in 1897.

THE PONNAIYAR

At present there are eleven completed structures either reservoirs or weirs in the Ponnaiyar catchment. The salient feature of the two important structures, viz. Krishnagiri reservoir and Sathanur reservoir are given below.

KRISHNAGIRI RESERVOIR: This reservoir is located on river Ponnaiyar near Krishnagiri in the Dharmapuri district of Tamil Nadu. It intercepts a Catchment area of about 5,428 Sq.Km. The project consists of 712.93 m long earthen dam and 277.67 m long masonry dam with a maximum height of 29.26 m with two canals taking off from either side. The reservoir with a storage capacity of 66.1 M.cum. irrigates an area of about 3,642 hectares. This project was commissioned in the year 1958.

SATHANUR RESERVOIR: This reservoir is located on river Ponnaiyar near Tiruvannamalai in the Tiruvannamalai district of Tamil Nadu. The project consists of 359.66 m long earthen dam and 426.72 m long masonry dam with a maximum height of 44.81 m. The reservoir intercepts a Catchment area of 10,825 Sq.Km and has a storage capacity of 228.91 M.cum. Two canals take off on either side of the river are planned to irrigate an area of 18,210 hectares. This project was also commissioned in the year 1958.

THE VAIGAI

VAIGAI RESERVOIR: The Vaigai reservoir is located on river Vaigai near Periyakulam in Madurai district of Tamil Nadu. It intercepts a catchment area of 2,253 Sq Km. The project consists of 3,243 m long earthen dam and 232 m long masonry dam with a maximum height of 33.83 m. This reservoir with a gross storage capacity of 194.78 M.cum can irrigates an area of 9,650 hectares. The project was commissioned in the year 1959.

MANJALAR RESERVOIR: The Manjalar reservoir is located on river Manjalar near Periyakulam in Madurai district of Tamil Nadu. The reservoir consists of an earthen dam of length and height of 1,004.62 m and 28.33 m respectively. It intercepts a catchment area of 106.48 Sq.Km. The gross capacity of the reservoir is 13.48 M.cum and irrigates an area of 810 hectares. The project was commissioned in the year 1967.

MARUDHANADHI RESERVOIR: The Marudhanadhi reservoir is located on river Marudhanadhi near Dindigul in Dindigul district of Tamil Nadu. The project consists of an earthen dam of length and height of 786.38 m and 27.43 m respectively. It intercepts a Catchment area of 53.35 Sq.Km. The reservoir with a gross storage capacity of 4.93 M.cum is irrigating an area of 1,527 hectares. The project was commissioned in the year 1979.

2 STREAM FLOW DATA

2.1 METHODOLOGY

The standard method being adopted at all the sites for collecting the data is explained briefly as under:

Three lines of staff gauges are maintained at all the sites for observing water levels and surface slope. All these levels are connected to GTSBM value. The Water Level at Central Gauge line is used for arriving at a Stage-Discharge relationship at each site.

Velocities are recorded by using current meters as per IS:3918-1966 (reaffirmed -2001) by boat with cable way or with outboard engine at higher stages and by wading at lower stages. Where the facility of boats is not available, Discharge measurements are carried out from the near by bridges.

Observed data at the field station is entered / computed in different formats prescribed for the purpose and later processed at various levels using SWDES and HYMOS Software before publishing in the Water Year Book.

On the days when the discharge observations are not conducted due to holidays or any other reasons, the same have been estimated from the established Stage- Discharge curve of the site of the current year against 0800Hrs stage. Some of the observations, which do not fall within the established curve due to some errors in observation or wind effect etc., are discarded and discharges are again estimated from the established Stage-Discharge curve against 0800H stage.

2.2 DATA AVAILABILITY

The Central Water Commission is conducting Hydrological Observations at **27** stations spread over four states of Karnataka, Tamil Nadu, Puducherry and Andhra Pradesh and daily discharge data collected at all these sites for the year 2016-17 has been finalized and presented in this volume in the form of Water Year Book.

The Data presented in this book has been collected by the three Divisions viz., Southern Rivers Division, Coimbatore, Hydrology Division, Chennai, and Lower Krishna Division, Hyderabad.

2.3 EXPLANATORY NOTES

The explanatory notes described here under are designed to assist in the interpretation of hydrological parameters contained in the data presented subsequently. The notes are, therefore valid in so far as data presented in this book is concerned.

- i) Water year ranges from June 1st of one calendar year to May 31st of the next calendar year and covers one complete hydrological cycle.
- ii) Discharge is given in Cubic meters per second.
- iii) Discharges given are daily observed discharges commencing at 08.00 hrs.
- iv) Discharge indicated with asterisk (*) mark is estimated discharge
Corresponding to stage at 08.00Hrs.
- v) The ZERO R.L. of a gauge is a datum level fixed for a given site, which is generally kept 1 m or 2 m lower than the lowest water level recorded in a perennial stream. In a non-perennial stream, it is kept 1 m or 2 m lower than the lowest bed level of the stream.
- vi) Discharges are rounded to :
 - a) nearest full integer when more than 1000
 - b) nearest first decimal figure when between 100-999.
 - c) nearest two decimal figure when between 10-99.
 - d) nearest three decimal figure when less than 10.
- vii) Maximum and Minimum discharge are taken from daily observed/estimated discharge.
- viii) Run off in mm is the notional depth of water in millimeters over the catchments, equivalent to annual runoff calculated at the discharge measurement station. It is computed using the relation

$$\text{Run off (mm)} = \frac{\text{Annual runoff (M Cum)}}{\text{Catchment area (Km}^2\text{)}} \times 1000$$

- XI) Peak and lowest flow correspond to the highest and lowest water levels recorded during the period of record.
- X) Measuring Authority refers to the field division responsible for the Operation of the Gauging Stations.
- xi) The Gauging Station Code Number is a unique seven-column alphanumeric reference number, which facilitates storage and retrieval of flow data in data bank. The first column is identifier of either an integral river basin or for convenience a region having several continuous river catchments. This is followed by a column that identifies an independent river system, which either have one or more outlets to the sea or crosses international border to enter another country. The third, fourth and fifth column spaces denote first, second and third order tributaries respectively from the mouth upstream. The sixth and seventh column spaces indicate the location of the Gauging Station in one of 225 slots earmarked on the river. The blank column spaces are filled by zero.

3 HYDROLOGICAL DATA

3.1 HISTORY SHEET

The History sheets enclosed give the description of the Hydrological Observation Stations such as Site name, State, District, River basin, Catchment Area, Latitude/Longitude Etc.,

3.2 DATA SHEET

In this sheet the observed/estimated daily Stage-Discharge tables are shown month-wise together with Ten-Daily, Monthly and Annual summaries. Dates of occurrences of Peak and Minimum Discharges and the corresponding water levels right from the inception of the site up to the current year are also shown in a separate sheet. Graphs showing three highest flood peaks- water Level v/s Time that occurred during the current water year are also generated and included in the Year Book.

3.3 CHARTS/MAPS

The year wise total Annual Run-Offs of the site from the year of inception up to the current year is reflected in the bar charts. The Histogram/Hydrograph of monthly average discharge values are depicted in two separate pie charts one for the current year and the other for all the years from year of inception up to the previous year. The Pre-monsoon and Post-monsoon Cross Sections of each Site are also inserted.

4 SEDIMENT DATA

There are twelve sediment Observation Stations under this basin. Sediment & Bed material data being the part of Water Year Book, is also included in this volume.

4.1 SOURCE OF INFORMATION

Suspended Sediment observation stations for which data for 2016-17 is presented in this volume are maintained by the Hydrology Division, Chennai, Southern Rivers Division, Coimbatore & Lower Krishna Division, Hyderabad and the names of the stations are given below:

- | | |
|----------------------------|---------------------------------|
| 1. Gundlakamma at Marella | 7. Ponnaiyar at Vazhavachanur |
| 2. Sagileru at Nandipalli | 8. Ponnaiyar at Gummanur |
| 3. Pennar at Chennur | 9. Vaigai at Paramakudi |
| 4. Kunderu at Alladupalli | 10. Suruliyar at Theni |
| 5. Swarnamuki at Naidupeta | 11. Vaigai at Ambasamudram |
| 6. Kalingi at Sullurpet | 12. Tambraparani at Murappanadu |

4.1.1 OBSERVATION TECHNIQUE

Suspended sediment observations are conducted daily along with the discharge observations

Sampling is done from boat or by wading. The Punjab type bottle sampler is used for collecting sediment samples. The sediment samples collected from flowing channels are analysed for the three grades of sediment viz. Coarse, Medium and Fine. Coarse and Medium grades are separated by sieving using standard sieves of 212 microns and 75 microns respectively and Fine grade sediment by filtration. Grade wise concentration is determined by gravimetric method.

Samples are generally collected at 0.6 depth from various verticals along the cross section of the river. These verticals are grouped into three or more composite sections for the purpose of analysis of Coarse and Medium grades of sediment. For Fine grade, the sediment samples, after removing the Coarse and Medium grade are combined into a single group and analysed. Selection of the composite sections is done in such a way so as to ensure that the discharges through each of the composite sections are nearly equal.

4.1.2 CLASSIFICATION OF SEDIMENT

Sediment is classified as Coarse, Medium and Fine according to the diameter as indicated below:

Coarse : Sediment above 0.20 mm diameter

Medium : Sediment between 0.20 and 0.075 mm diameter

Fine : Sediment below 0.075 mm diameter

The values given in the daily sediment data sheets are observed values. For non-observed days the values are either taken from Discharge – Sediment Curves or from neighborhood values.

4.2 METHOD OF PRESENTATION

The various data tables presented are generated from the validated SWDES Data base through SWDES software. Some of the features of the tables generated are briefly explained as below:

4.2.1 When the sediment samples analyzed give non-measurable sediment, it is presumed to be of “nil” value and recorded accordingly. The Table of Annual Sediment Load along with the season-wise Sediment Loads for the period from the Dt of inception up to the Last Year is generated. A bar Chart for the same but including the Sediment load for current year is also generated separately. Separate tables showing Daily observed sediment data & Pie Charts are also generated.

5.0 BED MATERIAL DATA

The Bed Material Survey and Analysis data used to be published separately as Bed material analysis data book till the year 1990. Since Bed material survey and analysis work also form a part of the sediment observation work, it was decided to publish the Sediment data and the Bed material survey and analysis data in a single volume from the year 1990-91 onwards. With the revision of format of Water Year Book, the Sediment and Bed Material data is included in the Water Year Book itself from 2006-07 and onwards.

5.1 OBSERVATION TECHNIQUES

Bed material survey is conducted at the station gauge line three times in a Water Year i.e during Monsoon, Post monsoon and Pre-monsoon seasons. Samples at the required intervals from the dry as well as the flowing part of the river bed are collected and the river cross section on the date of survey is also taken. Sampling segments are fixed as per the standard requirements, subject to a minimum of three samples. Samples from the flowing channel are collected by means of a scoop type bed material sampler. For the dry part, the bed is cleared off the vegetation etc. by removing about 10 to 15 cm. of the top layer with a scraper and a suitable pit of about 30 to 40 cm. is dug out and representative samples are collected. These samples are reduced to the required quantity by the cone and quartering process. The samples thus reduced are put into polythene covers and packed into thick cloth bags. The cloth bags are then labeled with the relevant particulars of the river and the samples are sent to the divisional laboratory for analysis.

5.2 THE ANALYSIS

The bed material samples are analyzed at the divisional laboratory for the particles size distribution in two stages. First, the sample is weighed and then placed in the top 40.0 mm dia. Sieve of a set of Sieves having diameter ranging from 0.6 mm to 40 mm. Shaking the Sieve is done with the help of a mechanical Sieve Shaker. After 10 to 15 minutes of shaking, the material retained in each Sieve is collected and weighed. The total weight of various fractions must be equal to the initial weight of the sample used for analysis. The material passing through the last 0.6 mm dia. Sieve is again analyzed by means of the Puri's Siltometer. From the result of the above analysis, Summation Curves are drawn as per the standard procedure and the mean diameter of each example is worked out. From this the Silt Factor can be calculated using the formula $f = 1.76 \sqrt{m}$ where 'm' is the mean diameter of the sample in mm. The mean diameter of the sample, maximum diameter of the sample, details of the sample collected and the general data of the river are furnished in this publication.

5.2.1 DATA OF THE SAMPLE COLLECTED

In the data of the sample collected, the RD from which the sample is collected, RL of dry bed (in case sample is collected from dry bed), RL of bed level (in case sample is collected from flowing channel), Water level, Depth of water, Segment width, Velocity at the RD and the Segment discharge on the date of sampling are furnished.

5.2.2 GENERAL DATA OF RIVER

In the general data of the river the Hydraulic mean depth, Mean velocity, Surface water slope and the discharge on the date of sampling etc. are shown.

5.2.3 BED MATERIAL COMPOSITION

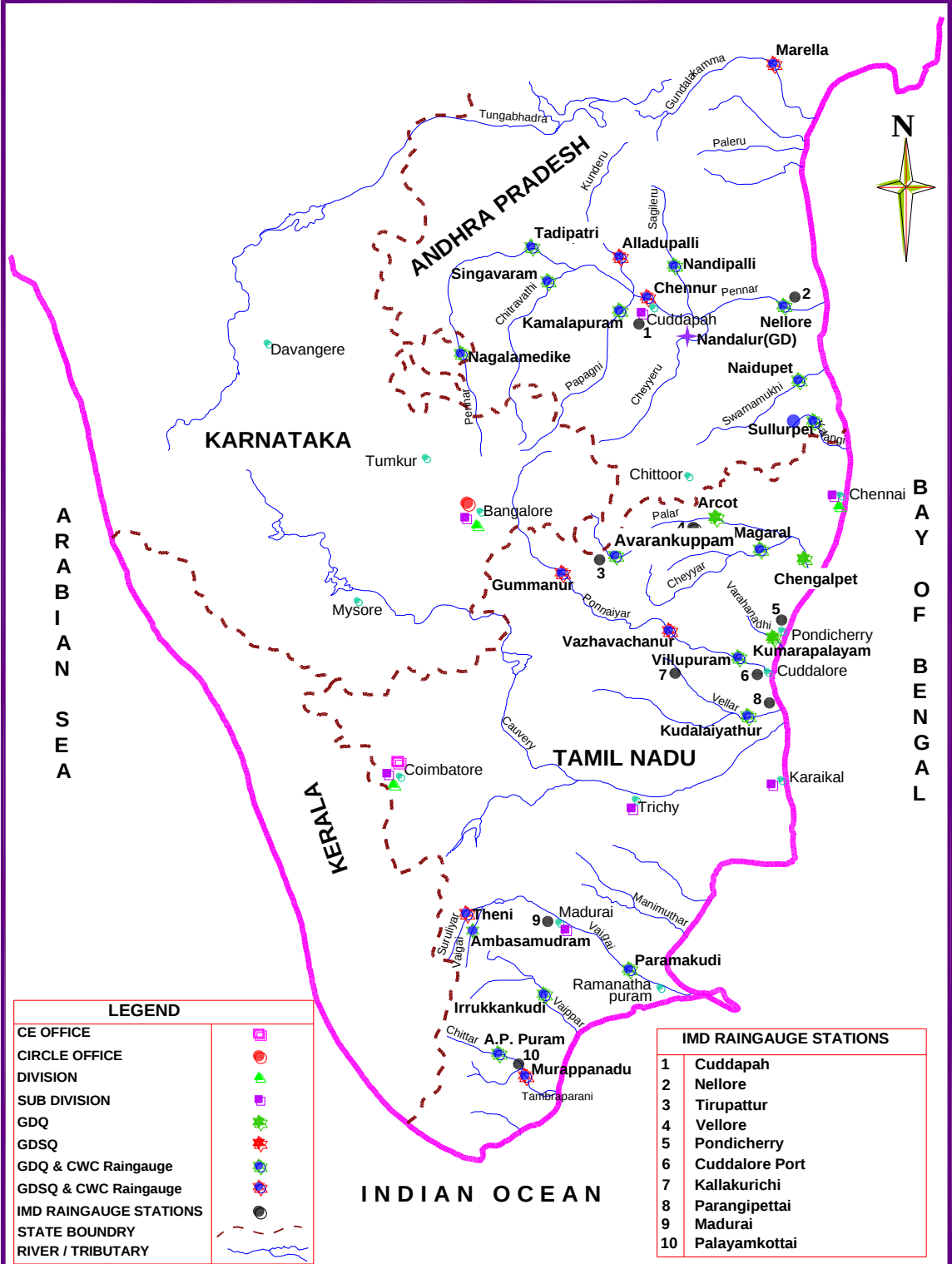
Under bed material composition, the maximum size and mean size of each sample and also the maximum size and the mean size for the entire cross section for each season are recorded. The minimum size for each sample has been assumed as 0.06 mm. since this has been observed uniformly in every sample.

Annexure - I

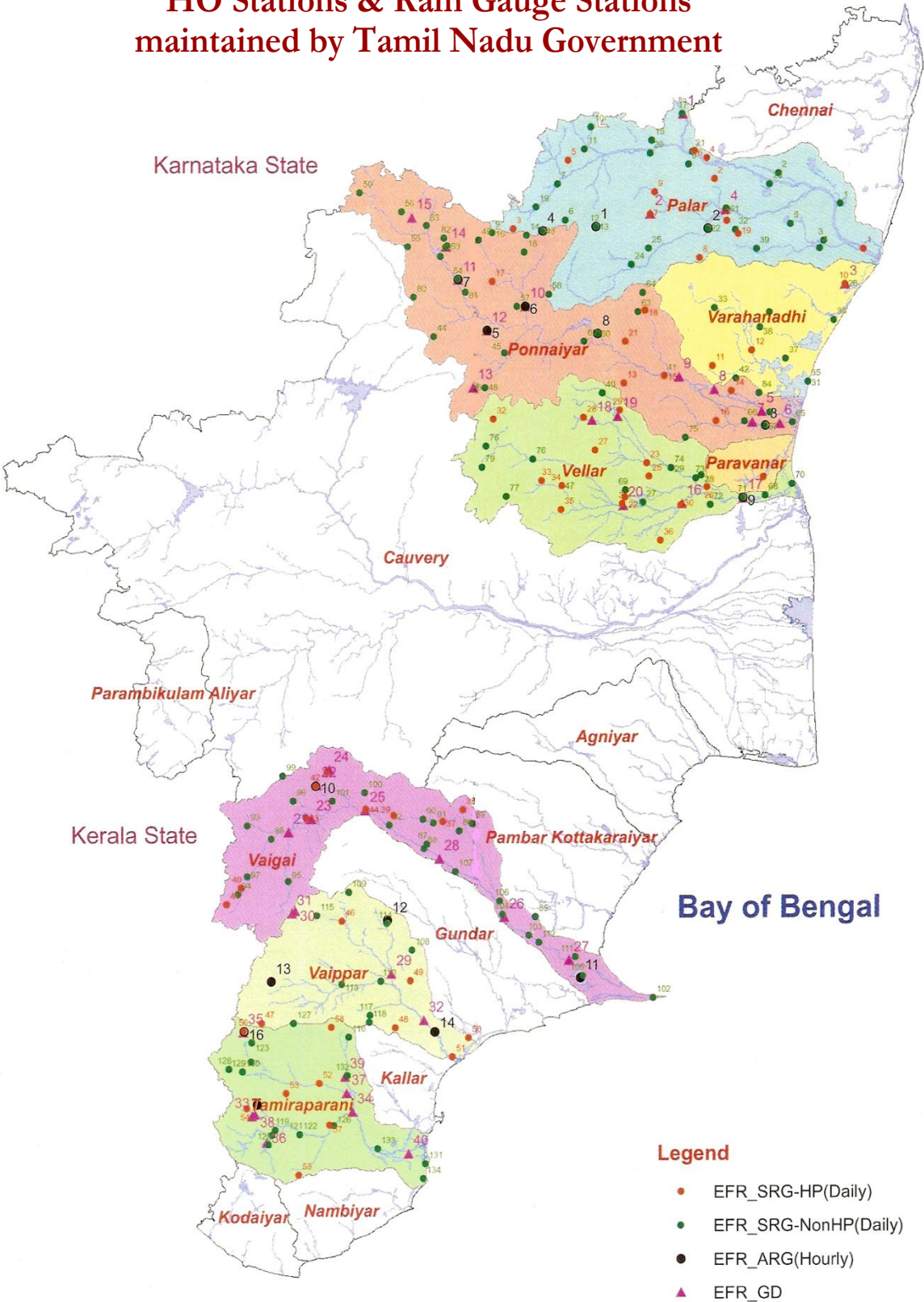
STATEMENT SHOWING CWC HO & RAINFALL STATIONS IN EAST FLOWING RIVER BASINS

SL.No.	Name of the site	River Name	Type
1	Marella	Gunadalakamma	GDSQ
2	Nellore	Pennar	GDSQ+ RF
3	Nandipalli	Pennar	GDSQ+ RF
4	Chennur	Pennar	GDSQ + RF
5	Kamalapuram	Papagni	GDQ+ RF
6	Nandalur	Cheyyeru	GD
7	Alladupalli	Kunderu	GDSQ + RF
8	Tadipatri	Pennar	GDQ+ RF
9	Nagalamedike	Pennar	GDQ+ RF
10	Singavaram	Chitravathi	GDQ+ RF
11	Naidupeta	Swaranamukhi	GDSQ+ RF
12	Sulurpet	Kalingi	GDSQ+ RF
13	Chengalpet	Palar	GDQ+ RF
14	Magaral	Cheyyar	GDQ+ RF
15	Arcot	Palar	GDQ+ RF
16	Avarankuppam	Palar	GDQ+ RF
17	Kumarapalayam	Varahanadi	GDQ
18	Villupuram	Ponnaiyar	GDQ+ RF
19	Vazhavachanur	Ponnaiyar	GDSQ + RF
20	Gummanur	Ponnaiyar	GDSQ + RF
21	Kudalaiyathur	Vellar	GDQ
22	Paramakudi	Vaigai	GDSQ+ RF
23	Theni	Vaigai	GDSQ + RF
24	Ambasamudram	Vaigai	GDSQ + RF
25	Irukkankudi	Vaippar	GDQ+ RF
26	Murappanadu	Tambraparni	GDSQ + RF
27	A.P.Puram	Chittar	GDQ+ RF
Index: GD = Gauge & Discharge GDQ = Gauge, Discharge & Water Quality, GDSQ = Gauge, Discharge, Sediment & Water Quality. RF = Rainfall			

EAST FLOWING RIVERS BASIN
CWC, HO Stations & IMD Raingauge Stations



EAST FLOWING RIVERS BASIN
HO Stations & Rain Gauge Stations
maintained by Tamil Nadu Government



INDEX- Hydrological Observation Stations
Maintained by Tamil Nadu Government

Label	Station	Label	Station
1	Poiney Anicut	21	Amachiapuram
2	Aliabad Anicut	22	Manjalar GD
3	Cheyyar Anicut	23	Pickup GD
4	Thandarai Anicut	24	Marudhanadhi
5	Sornavur Anicut	25	Peranai
6	Thiruvanthipuram	26	Parthibanur GD
7	Thiruvathigai Anicut	27	Ramnad GD Mudhalur
8	Ellis Anicut	28	Virahanur GD
9	Thirukovilur Anicut	29	Irukkankudi
10	Kollanur	30	Kovilar @ Pilavukkal
11	Nedungal Anicut	31	Periyar @ Pilavukkal Reservoir
12	Thoddampatti	32	Athangarai Anicut
13	Vanniar Reservoir GD	33	Gadana Dam
14	Krishnagiri Reservoir GD	34	Gangaikondan (seevalaperi anicut)
15	Sulagiri Chinnar	35	Karuppanadhi Dam
16	Pilandurai	36	Manimuthar GD
17	Sethiathope Anicut	37	Pillayarkulam Anicut
18	Gomukhi Reservoir	38	Ramanadhi reservoir
19	Manimukthanadhi	39	Kankeyan anicut (Uppodai)
20	Tholuthur Reservoir	40	Vazhavallan

INDEX - RAIN GAUGE STATIONS

Maintained by Tamil Nadu Government

SRG_HP

Label	Station
1	Panankattuchery
2	Kalavai
3	Natrapalli
4	Palar Anicut
5	Peranampet
6	Ranipet
7	Aliabad Anicut
8	Chetpet
9	Kannamangalam
10	Cheyyur
11	Velathi
12	Vidur Dam
13	Ariyalur
14	Ellis Anicut
15	Thirukovilur Anicut
16	Thirunavalur
17	Perugondapuram
18	Kilnatchipattu
19	Kovilur Anicut
20	Vakkadai
21	Vanapuram
22	Eluthur
23	Kattunayilur
24	Kothuvacheri
25	Veppur
26	Virudhachalam Anicut
27	Chinnasalem
28	Gomuki Dam
29	Manimuktha Reservoir
30	Pilandurai Anicut
31	Tholuthur
32	Anaimaduvu Reservoir
33	Gangavalli
34	Veeraganur
35	Arumbavur
36	Sendurai
37	Kallanthiri
38	Pulipatti
39	T. Andipatti
40	Gandamanickanur
41	Gudalore
42	Manjalar Dam
43	Vaigai Dam
44	Anaipatti IB
45	Marudanadhi Dam
46	Sundarapandiyapuram
47	Puliyankudi
48	Ettayapuram
49	Karisalkulam
50	Surangudi
51	Vaippar
52	Alagiapandiapuram
53	Alangulam
54	Gadana dam
55	Kalakadu
56	Karuppanadhi dam
57	Tirunelveli
58	Kazhugumalai

SRG_NonHP

Label	Station
1	Chengalpattu
2	Kancheepuram
3	Karunguzhi
4	Madurantakam
5	Uthiramerur
6	Alangayam
7	Ambur
8	Arcot
9	Goddar Dam
10	Gollapalli
11	Gudiyatham
12	Jamuna marathur
13	Javadhu Hills
14	Jolarpettai
15	Katpadi
16	Kottar Reservoir
17	Ponnai Anaicut
18	Thirupathur
19	Vaniyambadi
20	Vellore
21	Walajapet
22	Cheyyar Anicut
23	Dusi Ayyangarkulam
24	Elathur Anicut
25	Polur
26	Cheyyur
27	Keelacheruvai
28	Kuppanatham
29	Memathur
30	Palur
31	Pondichery
32	Erayanur
33	Gingee
34	Marakkanam
35	Pondichery
36	Thindivanam
37	Vanur
38	Kiladayalam
39	Vandavasi
40	Sankarapuram
41	Thirukoilur
42	Villupuram
43	Yelagiri Hills
44	Dharmapuri
45	Harur
46	Noganur
47	Vaniar Reservoir
48	Denkanikottai
49	Hogenakkal
50	Hosur
51	Krishnagiri Reservoir
52	Marandahalli
53	Nedungal
54	Royakottai
55	Soolagiri
56	Thalli
57	Uthangarai
58	Chengam

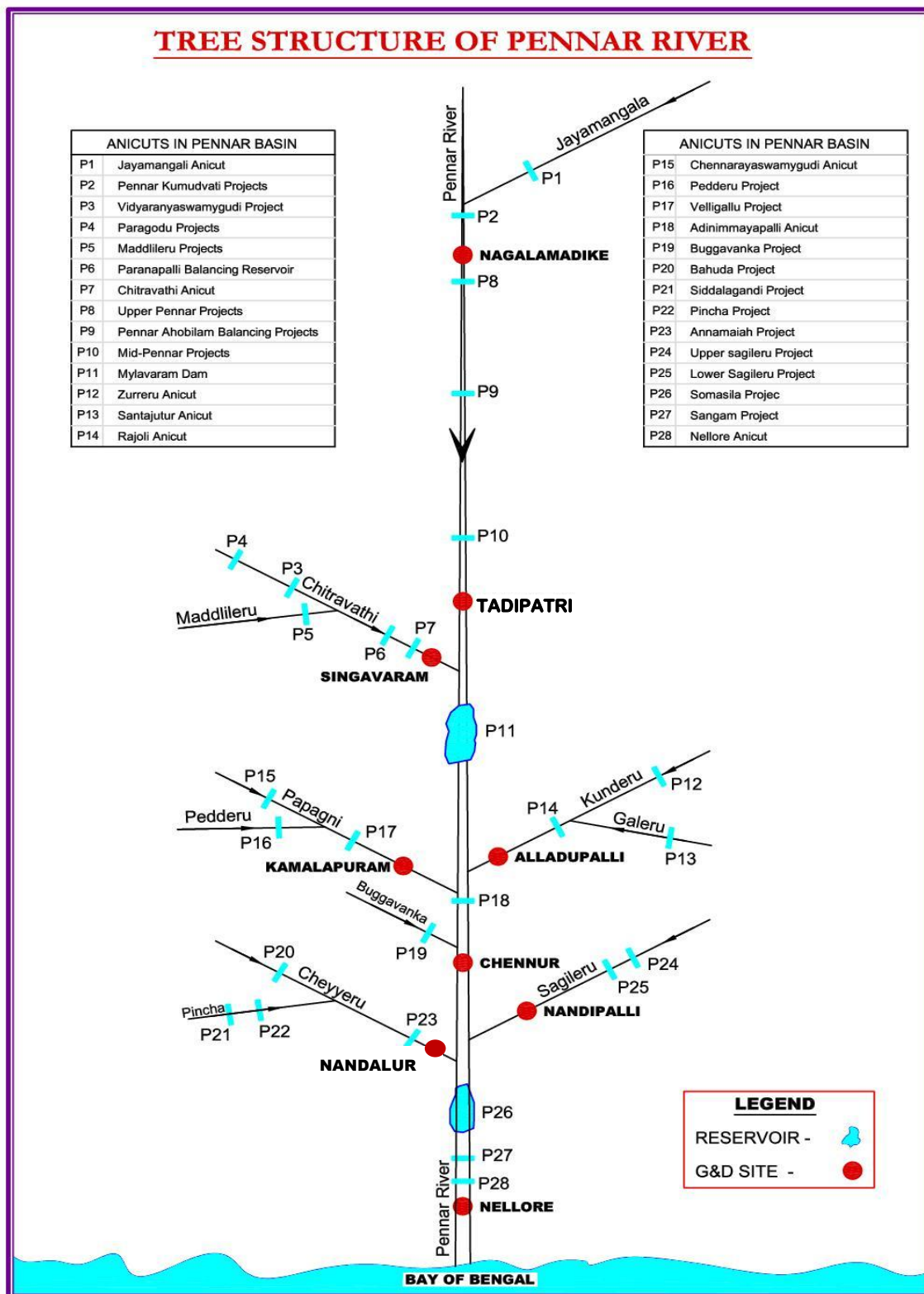
Label	Station
59	Pickup Anaicut
60	Sathanur Anaicut
61	Thandaraj Anaicut
62	Thanipadi
63	Thiruvannamalai
64	Thurinjapuram
65	Cuddalore
66	Panruti
67	Vannamadevi
68	Bhuvanagiri
69	Lekkur
70	Parangipettai
71	Sethiathope
72	Srimushnam
73	Virudhachalam(Rev)
74	Memathur
75	Ulundurpet
76	Attur
77	Thammampatti
78	Vazhapadi
79	Mangalapuram
80	Anchetty
81	Barur
82	Krishnagiri
83	Melumalai
84	Nannilam
85	Eliyankudi
86	Chittampatti
87	Madurai
88	Madurai south
89	Melur
90	Mettupatti
91	Periyapatti
92	Sholavandan
93	Bodinayakkanur
94	Cumbum
95	Mayiladumparai
96	Periyakulam
97	Uthamapalayam
98	Veerapandi
99	Kodaikanal Boat Club
100	Nilakottai
101	Viralipatti
102	Mandapam
103	Paramakudi
104	Parthibanur
105	Ramanadhapuram Revenue
106	Manamadurai
107	Thiruppuvanam
108	Savaspuram
109	Peraiyur
110	Sattur
111	Sivakasi
112	Srivilliputhur
113	Vembakottai
114	Virudhunagar Revenue
115	Watrap
116	Kalampatti

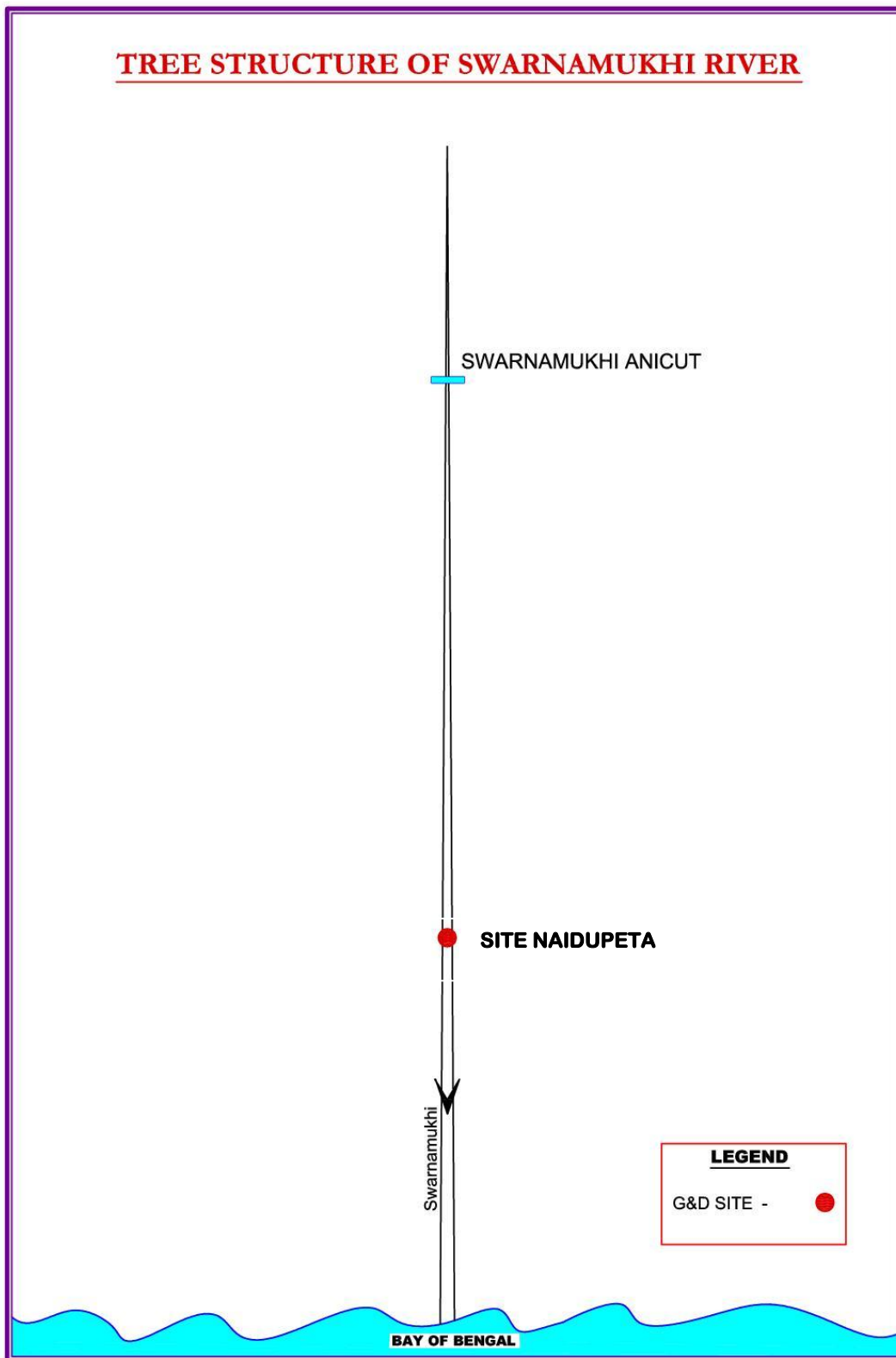
Label	Station
117	Kovilpatti Agr
118	Kovilpatti Revenue
119	Ambasamudram
120	Aykudi
121	Cheranmadevi PWD
122	Kadayam Revenue
123	Kadayanallur
124	Kannadiyan Anaicut
125	Manimuthar SRG
126	Palayamkottai
127	Sankarankoil
128	Shencottai
129	Tenkasi PWD
130	Tenkasi Revenue
131	Kayalpattinam
132	Kayathar
133	Srivaigundam
134	Thiruchendur

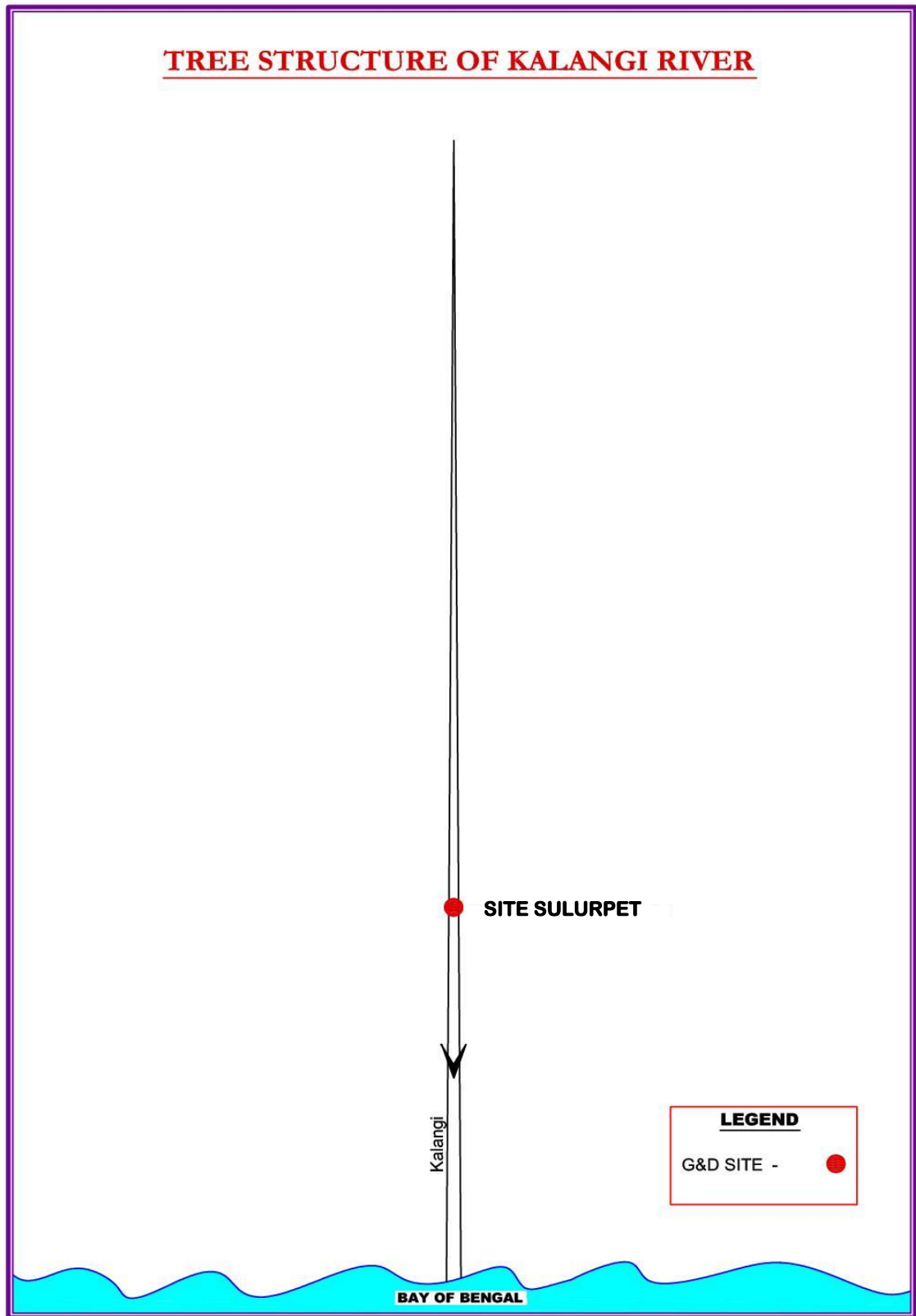
ARG_HP

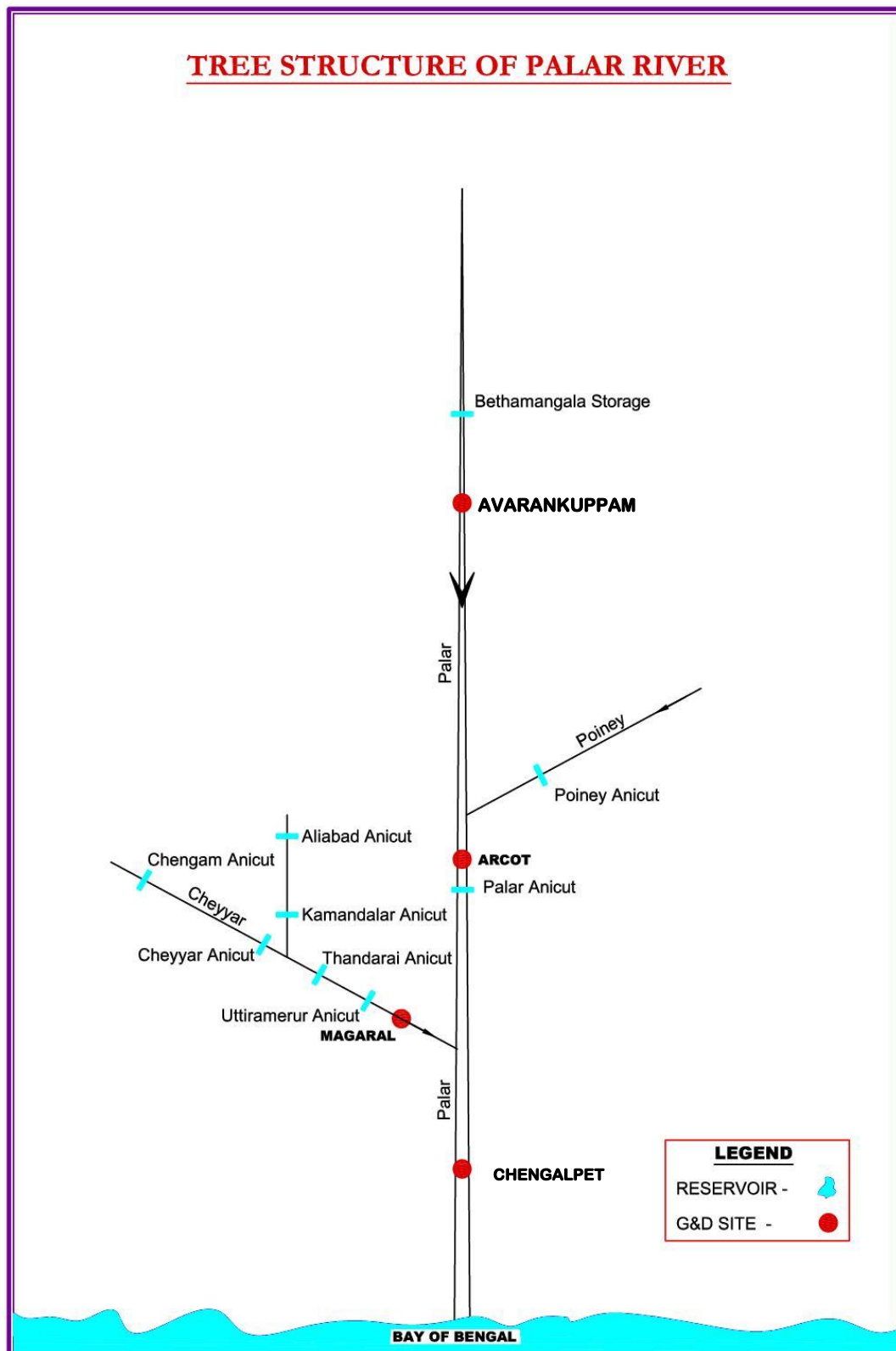
Label	Station Na
1	Javadhu Hills
2	Cheyyar Anicut
3	Vanamadevi
4	Yelagiri Hills
5	Harur
6	Kondampatti
7	Nedungal
8	Sathanur Pick Up
9	Sethiathope
10	Manjalar Dam
11	Ramanadhapuram ARG
12	Virudhunagar
13	Sivagiri
14	Vilathikulam
15	Kadayam
16	Karuppanadhi Dam

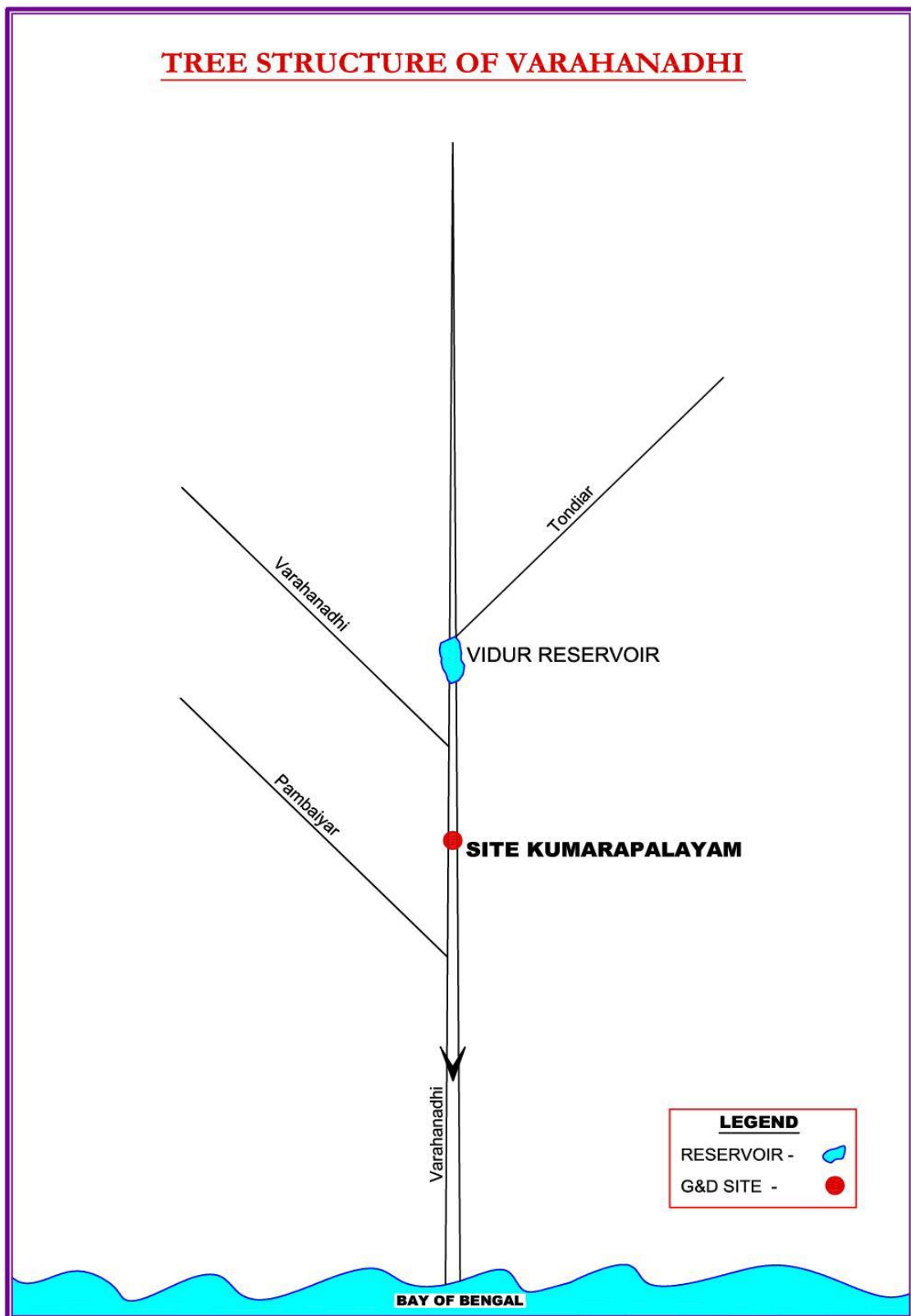
TREE STRUCTURE OF PENNAR RIVER

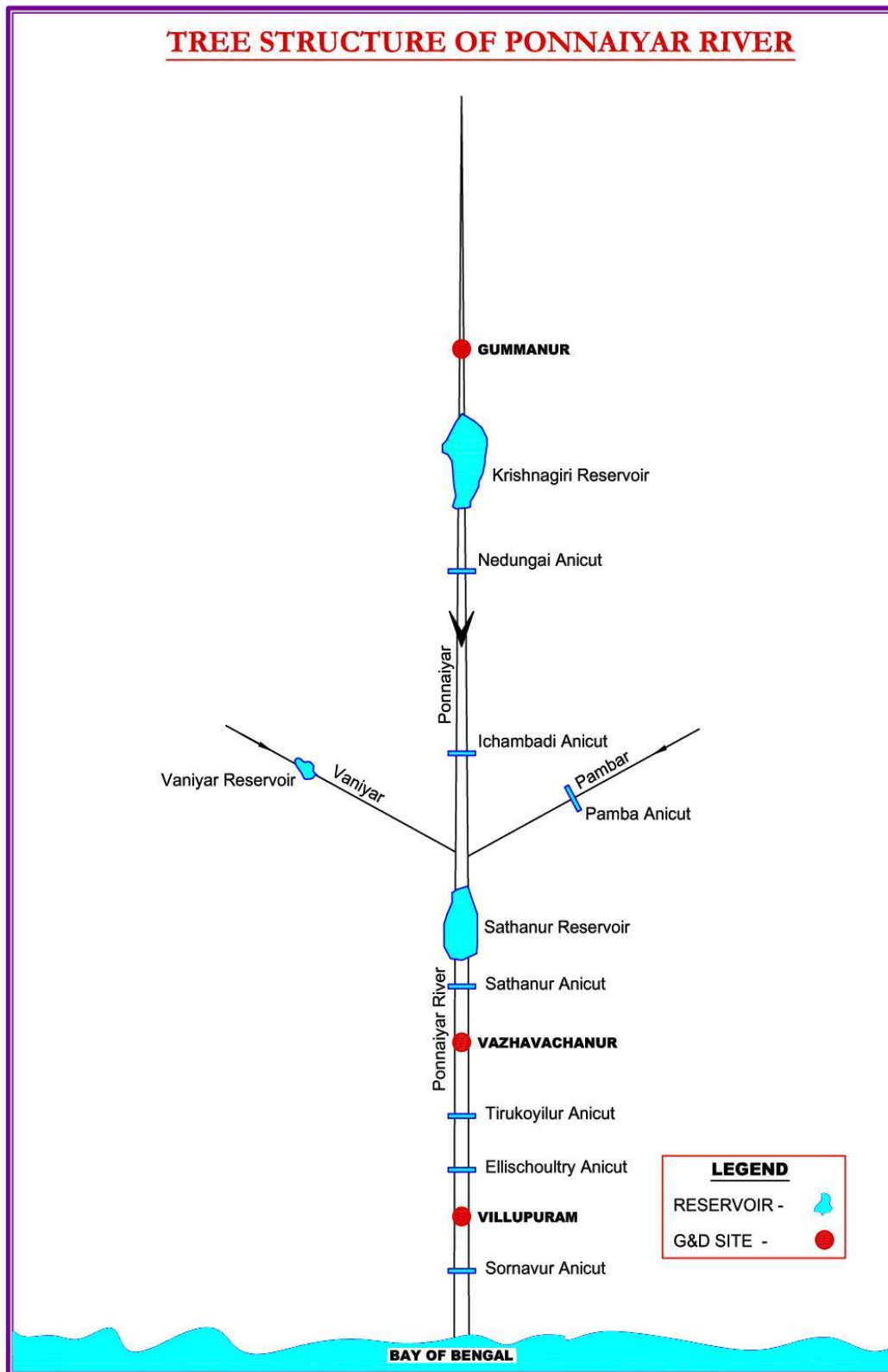


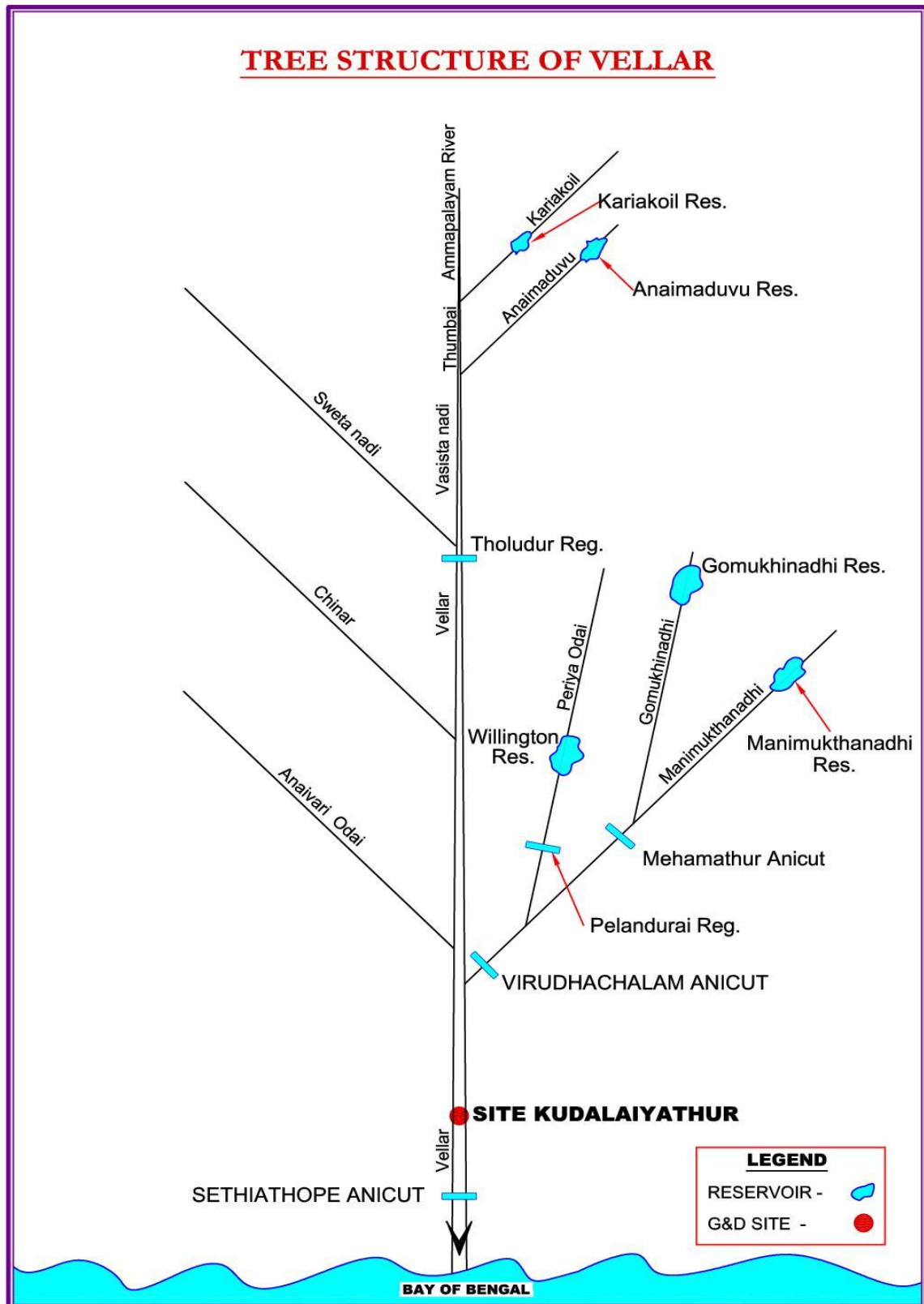


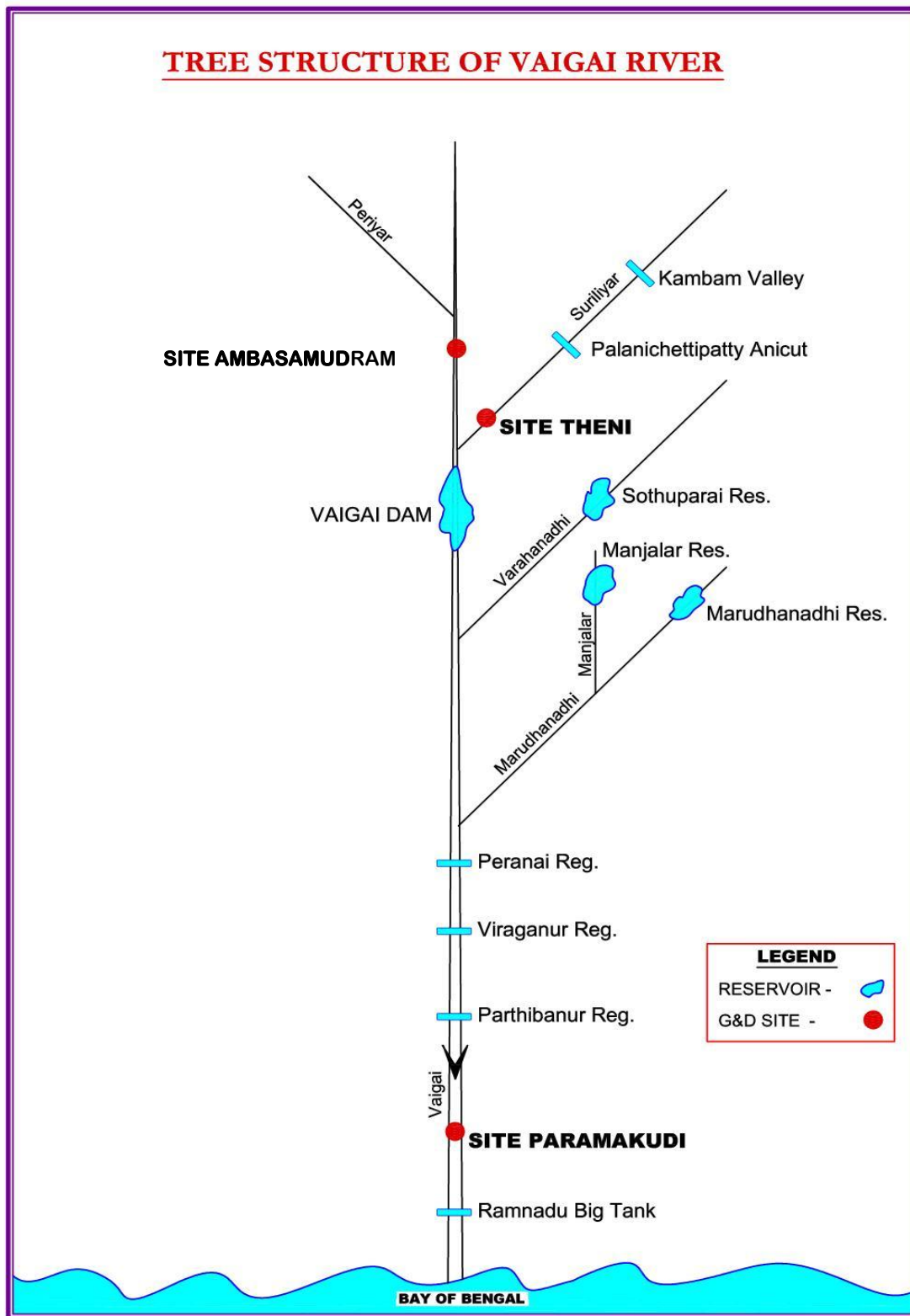


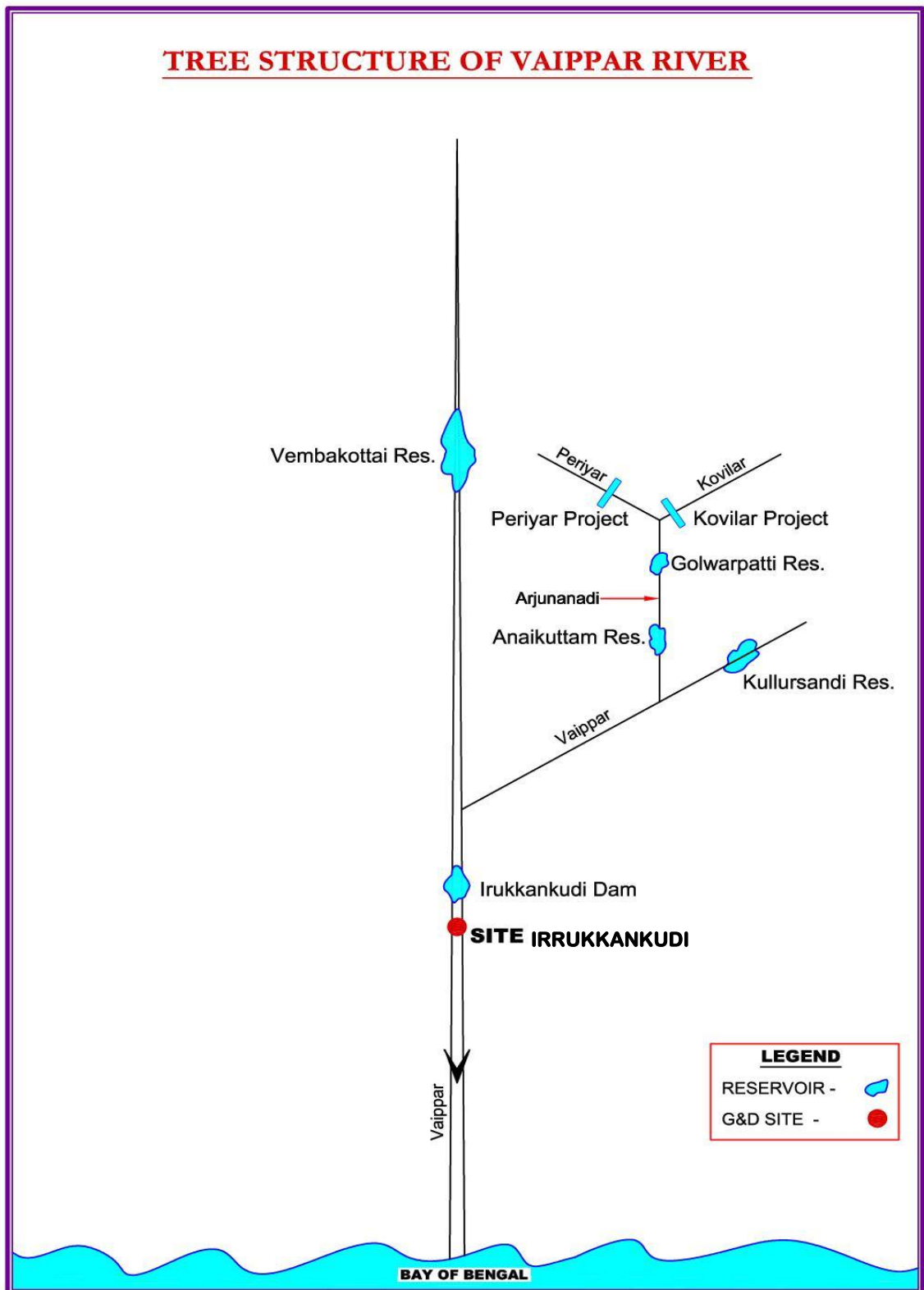




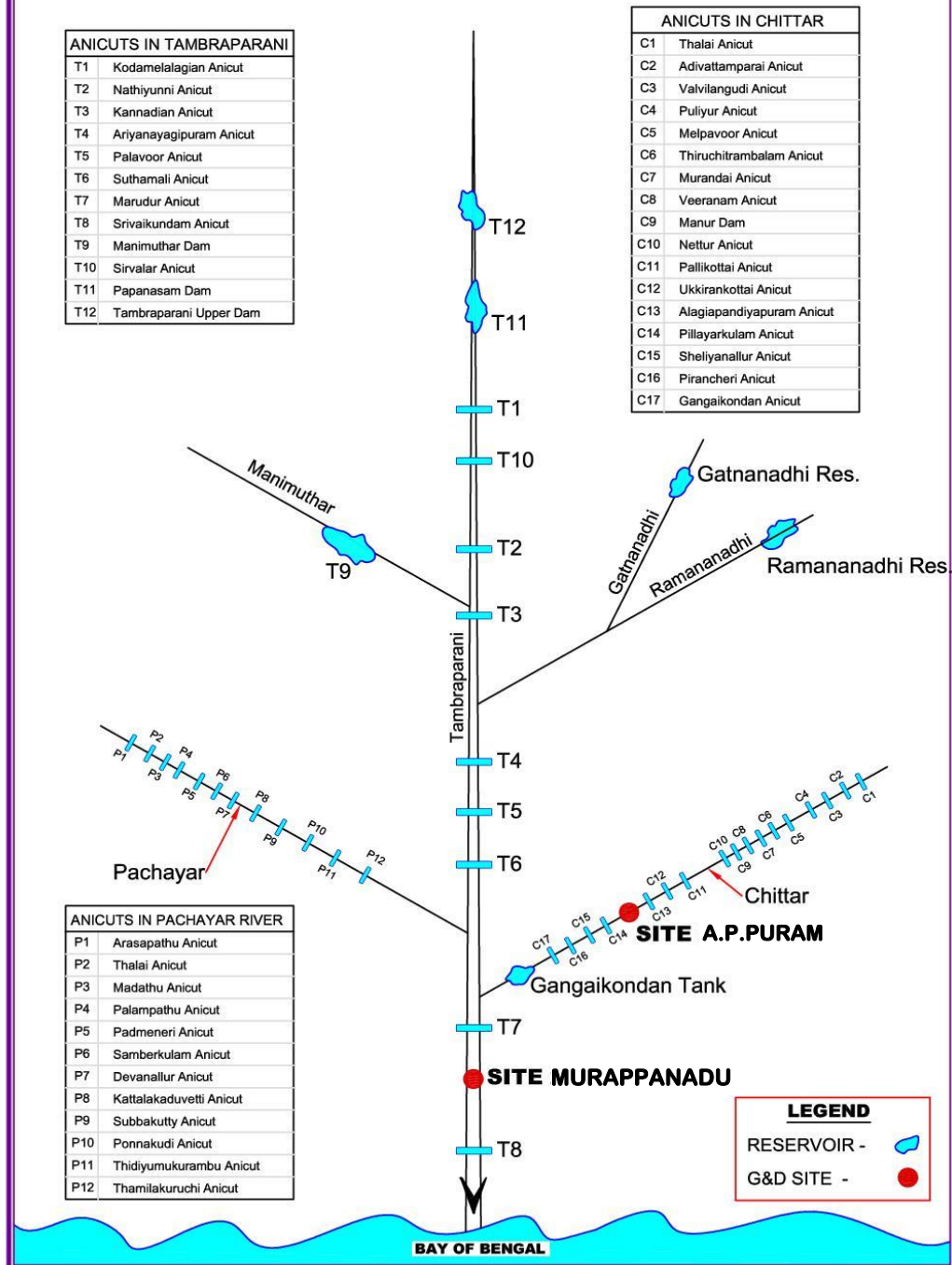






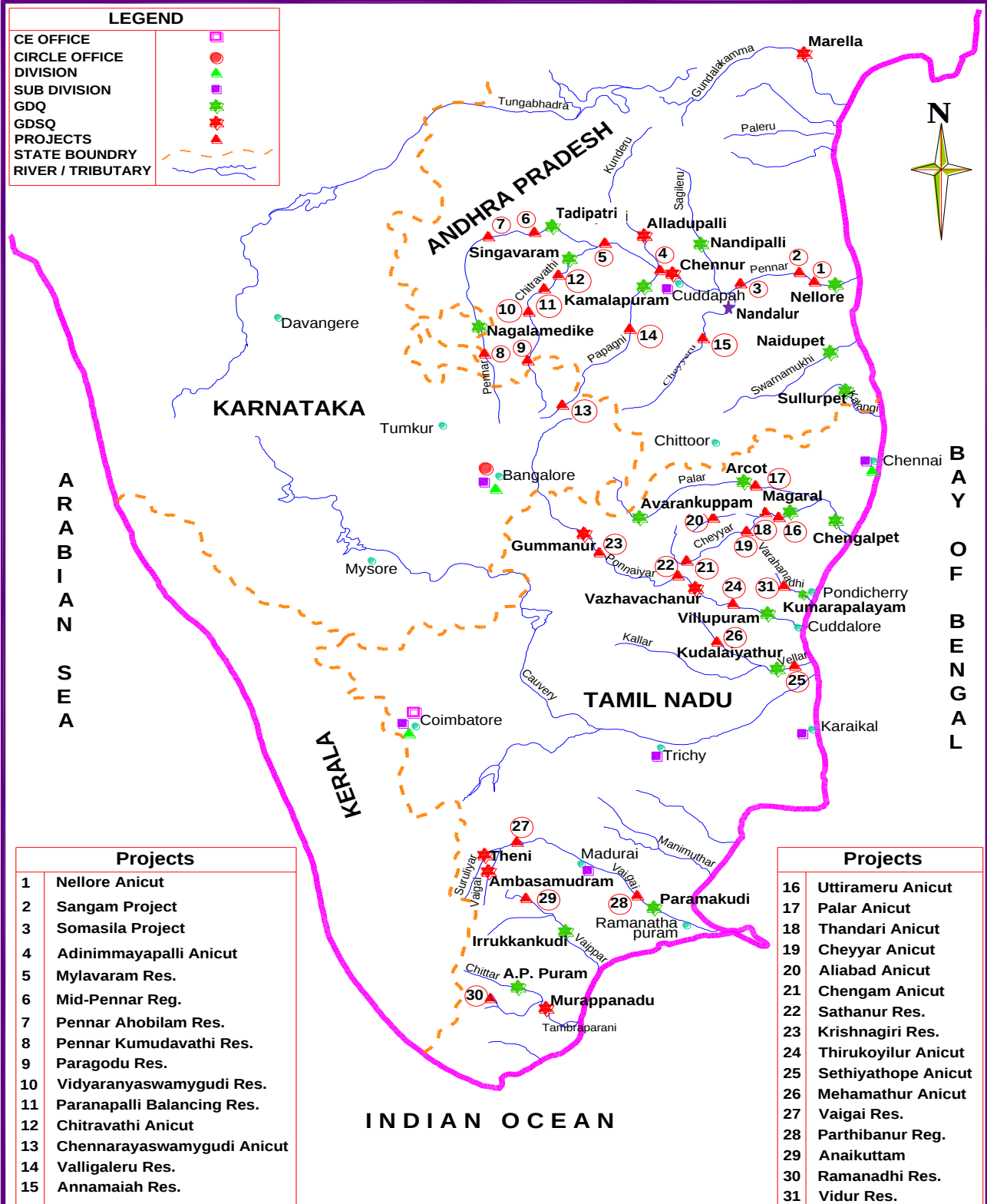


TREE STRUCTURE OF TAMBRAPARANI RIVER



EAST FLOWING RIVERS BASIN

Map Showing the CWC, HO Stations & Projects



HISTORY SHEET

Water Year : 2016-2017

Site : MARELLA

Code : AU000E5

State : Andhra Pradesh

District : Prakasam

Basin : EFR B Krishna-Pennar

Independent River : Gundlakamma

Tributary : -

Sub Tributary : -

Sub-Sub Tributary : -

Local River : Gundlakamma

Division : Lower Krishna Divn., Hyderabad

Sub-Division : Lower Krishna SD 1, N.S.Dam

Drainage Area : 7681 Sq. Km.

Bank : Right

Latitude : 15°52'55"

Longitude : 79°54'36"

Zero of Gauge (n : 95.000(m.s.l)
28.000 (m.s.l)21/06/2007 - 31/05/2012
01/06/2012

Opening Date

Closing Date

Gauge : 21/06/2007

Discharge : 28/06/2007

Sediment : 01/08/2007

Water Quality : 01/09/2007

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2007-2008	396.8	99.900	23/06/2007	0.000	96.530	18/08/2007
2008-2009	1067	100.820	30/11/2008	0.025	96.510	18/07/2008
2009-2010	1054	101.420	21/05/2010	0.000	96.380	30/07/2009
2010-2011	834.9	100.970	08/12/2010	0.507	96.390	31/05/2011
2011-2012	93.17	97.790	29/10/2011	0.000	96.350	25/05/2012
2012-2013	310.5	32.500	02/11/2012	0.000	29.280	08/12/2012
2013-2014	1600	34.600	25/10/2013	0.000	Dry Bed	01/06/2013
2014-2015	277.0	31.560	27/10/2014	0.000	29.200	01/06/2014
2015-2016	18.80	29.760	23/08/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : MARELLA (AU000E5)

Division : Lower Krishna Divn., Hyderabad

Local River : Gundlakamma

Sub-Division : Lower Krishna SD 1, N.S.Dam

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L.	Q	W.L.	Q	W.L.	Q	W.L.	Q	W.L.	Q	W.L.	Q
1		0.000		0.000		0.000	30.000	40.95	29.540	6.809		0.000
2		0.000		0.000		0.000	29.570	8.419	29.650	11.58 *		0.000
3		0.000		0.000		0.000	29.380	3.326	29.520	6.352		0.000
4		0.000		0.000		0.000	29.310	1.018 *	29.420	3.080		0.000
5		0.000		0.000		0.000	29.300	0.884 *	29.420	3.070		0.000
6		0.000		0.000		0.000	29.220	0.538	29.540	6.089		0.000
7		0.000		0.000		0.000	29.200	0.652	29.420	3.379		0.000
8		0.000		0.000		0.000	29.090	0.000	29.370	2.203		0.000
9		0.000		0.000		0.000	29.040	0.000	29.310	1.018 *		0.000
10		0.000		0.000		0.000	29.000	0.000	29.350	1.828		0.000
11		0.000		0.000		0.000	29.030	0.000	29.200	0.067 *		0.000
12		0.000		0.000		0.000	29.520	5.573	29.200	0.067 *		0.000
13		0.000		0.000		0.000	31.800	369.1	29.190	0.032		0.000
14		0.000		0.000		0.000	30.310	59.89	29.130	0.000		0.000
15		0.000		0.000		0.000	29.820	16.16	29.050	0.000		0.000
16		0.000		0.000		0.000	29.630	13.45	29.000	0.000		0.000
17		0.000		0.000		0.000	29.530	5.564	28.960	0.000		0.000
18		0.000		0.000		0.000	29.440	3.670 *		0.000		0.000
19		0.000		0.000		0.000	29.450	3.914		0.000		0.000
20		0.000		0.000		0.000	29.360	2.546		0.000		0.000
21		0.000		0.000		0.000	29.360	2.579		0.000	29.050	0.000
22		0.000		0.000		0.000	29.450	3.955		0.000	29.040	0.000
23		0.000		0.000		0.000	30.780	148.7		0.000	29.100	0.000
24		0.000		0.000		0.000	30.100	43.95		0.000	29.190	0.000
25		0.000		0.000		0.000	29.700	14.14 *		0.000	29.090	0.000
26		0.000		0.000		0.000	29.560	7.361		0.000	29.030	0.000
27		0.000		0.000		0.000	29.520	5.585		0.000	29.000	0.000
28		0.000		0.000	29.640	13.59	29.520	5.442		0.000	29.000	0.000
29		0.000		0.000	29.860	17.28	29.510	5.379		0.000		0.000
30		0.000		0.000	30.000	41.15	29.630	13.54		0.000		0.000
31				0.000	30.100	43.86				0.000		
Ten-Daily Mean												
I Ten-Daily		0.000		0.000		0.000	29.311	5.578	29.454	4.541		0.000
II Ten-Daily		0.000		0.000		0.000	29.789	47.98	29.104	0.017		0.000
III Ten-Daily		0.000		0.000	29.900	10.53	29.713	25.07		0.000	29.063	0.000
Monthly												
Min.		0.000		0.000	29.640	0.000	29.000	0.000	28.960	0.000	29.000	0.000
Max.		0.000		0.000	30.100	43.86	31.800	369.1	29.650	11.58	29.190	0.000
Mean		0		0	29.900	3.738	29.604	26.21	29.310	1.47	29.063	0

Annual Runoff in MCM = 82 Annual Runoff in mm = 11

Peak Observed Discharge = 369.1 cumecs on 13/09/2016 Corres. Water Level :31.8 m

Lowest Observed Discharge = 0.000 cumecs on 01/06/2016

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2016 - 2017

Station Name : MARELLA (AU000E5)

Division : Lower Krishna Divn., Hyderabad

Local River : Gundlakamma

Sub-Division : Lower Krishna SD 1, N.S.Dam

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000		0.000		0.000		0.000		0.000		0.000
12		0.000		0.000		0.000		0.000		0.000		0.000
13		0.000		0.000		0.000	29.280	1.094		0.000		0.000
14		0.000		0.000		0.000	29.060	0.000		0.000		0.000
15		0.000		0.000		0.000	29.040	0.000		0.000		0.000
16		0.000		0.000		0.000	29.010	0.000		0.000		0.000
17		0.000		0.000		0.000	28.980	0.000		0.000		0.000
18		0.000		0.000		0.000	28.950	0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000		0.000		0.000		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000				0.000		0.000		0.000
30		0.000		0.000				0.000		0.000		0.000
31		0.000		0.000				0.000				0.000
<u>Ten-Daily Mean</u>												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily		0.000		0.000		0.000	29.053	0.109		0.000		0.000
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
<u>Monthly</u>												
Min.		0.000		0.000		0.000	28.950	0.000		0.000		0.000
Max.		0.000		0.000		0.000	29.280	1.094		0.000		0.000
Mean		0		0		0	29.053	0.035		0		0

Peak Computed Discharge = 14.14 cumecs on 25/09/2016

Corres. Water Level :29.7 m

Lowest Computed Discharge = 0.067 cumecs on 11/10/2016

Corres. Water Level :29.2 m

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017

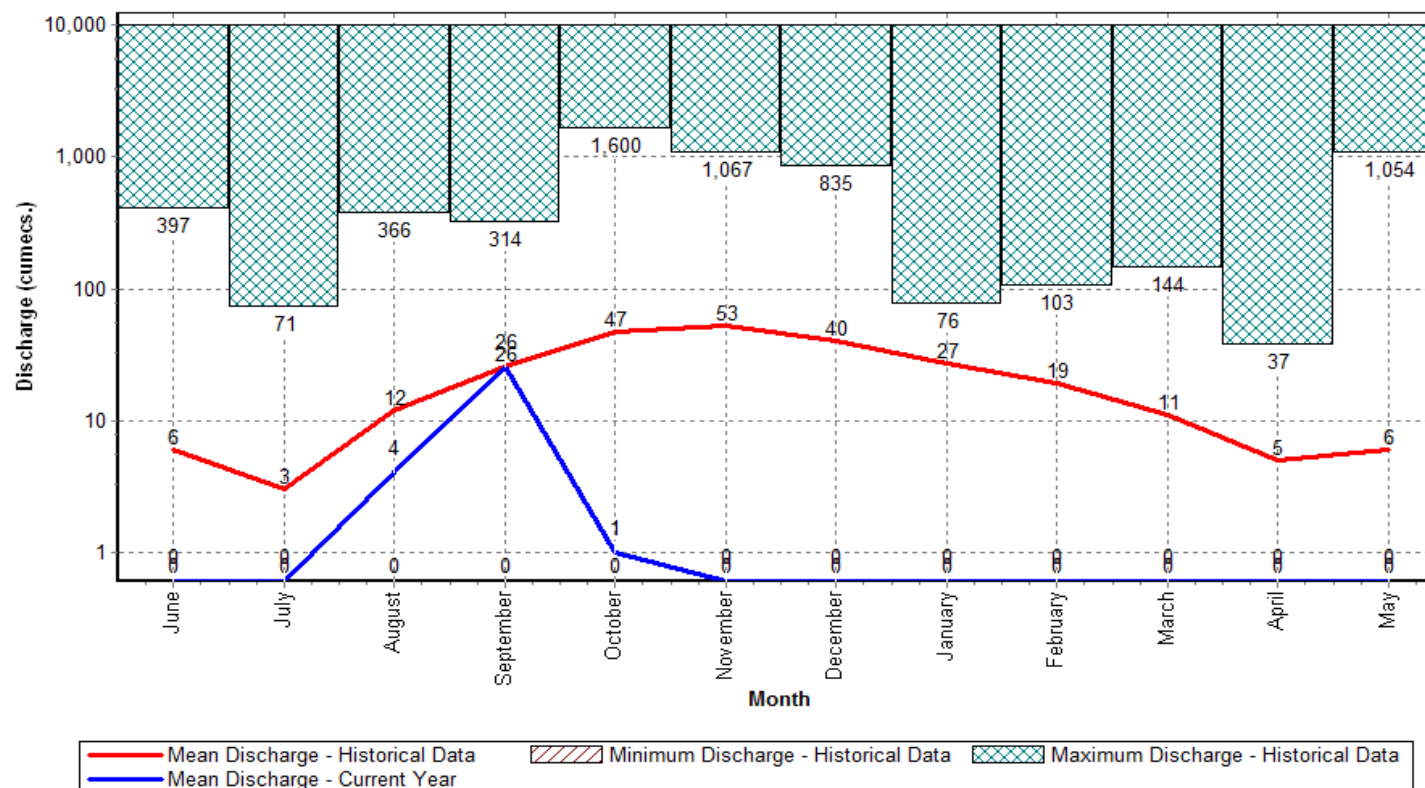
Station Name : MARELLA (AU000E5)

Data considered : 2007-2017

Division : Lower Krishna Divn., Hyderabad

Local River : Gundlakamma

Sub-Division : Lower Krishna SD 1, N.S.Dam



Annual Runoff Values for the period: 2007 - 2017

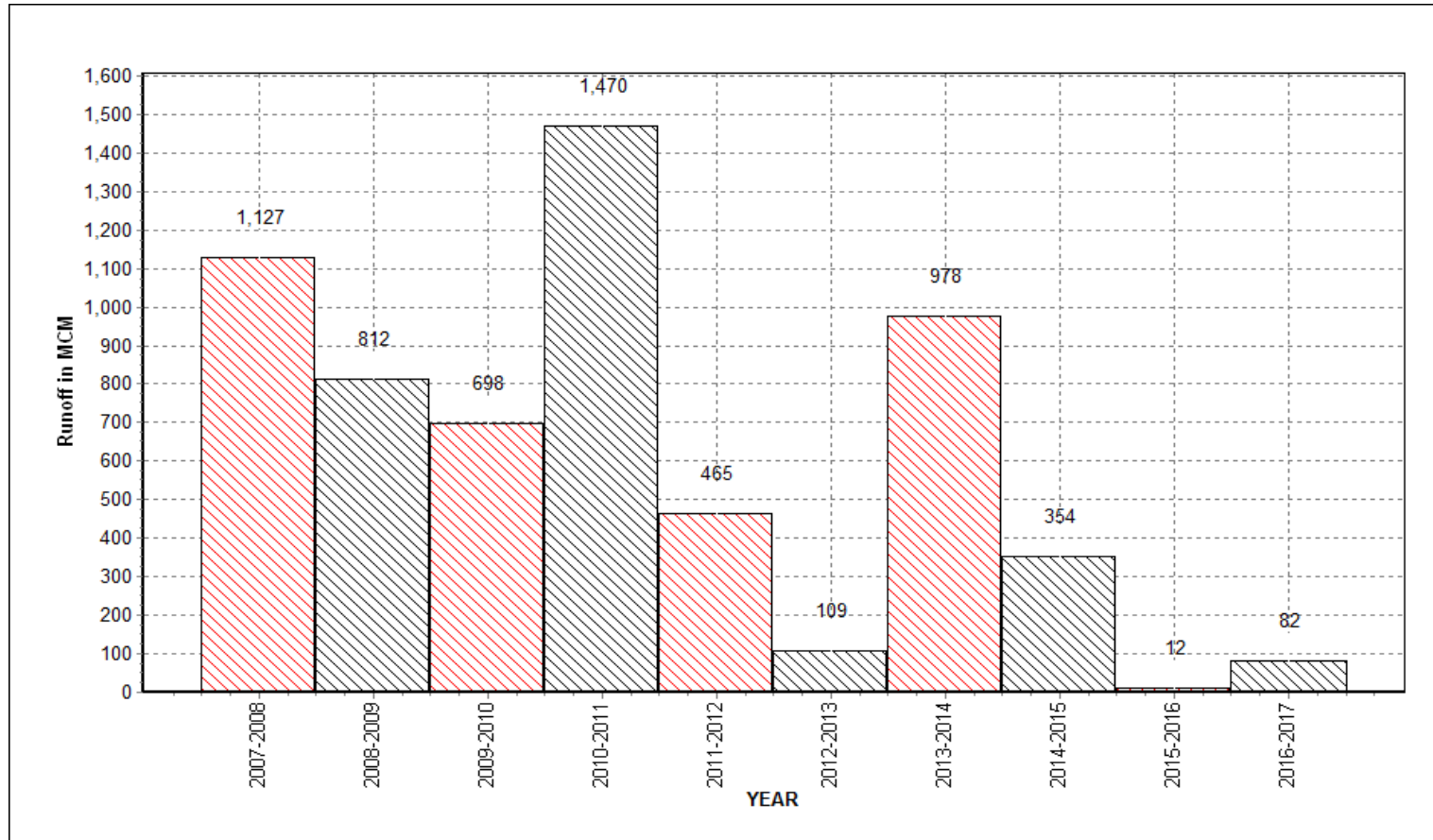
Station Name : MARELLA (AU000E5)

Local River : Gundlakamma

Division : Lower Krishna Divn., Hyderabad

Sub-Division : Lower Krishna SD 1, N.S.Dam

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Note: Missing values have not been considered while arriving at Annual Runoff

Monthly Average Runoff based on period : 2007-2016

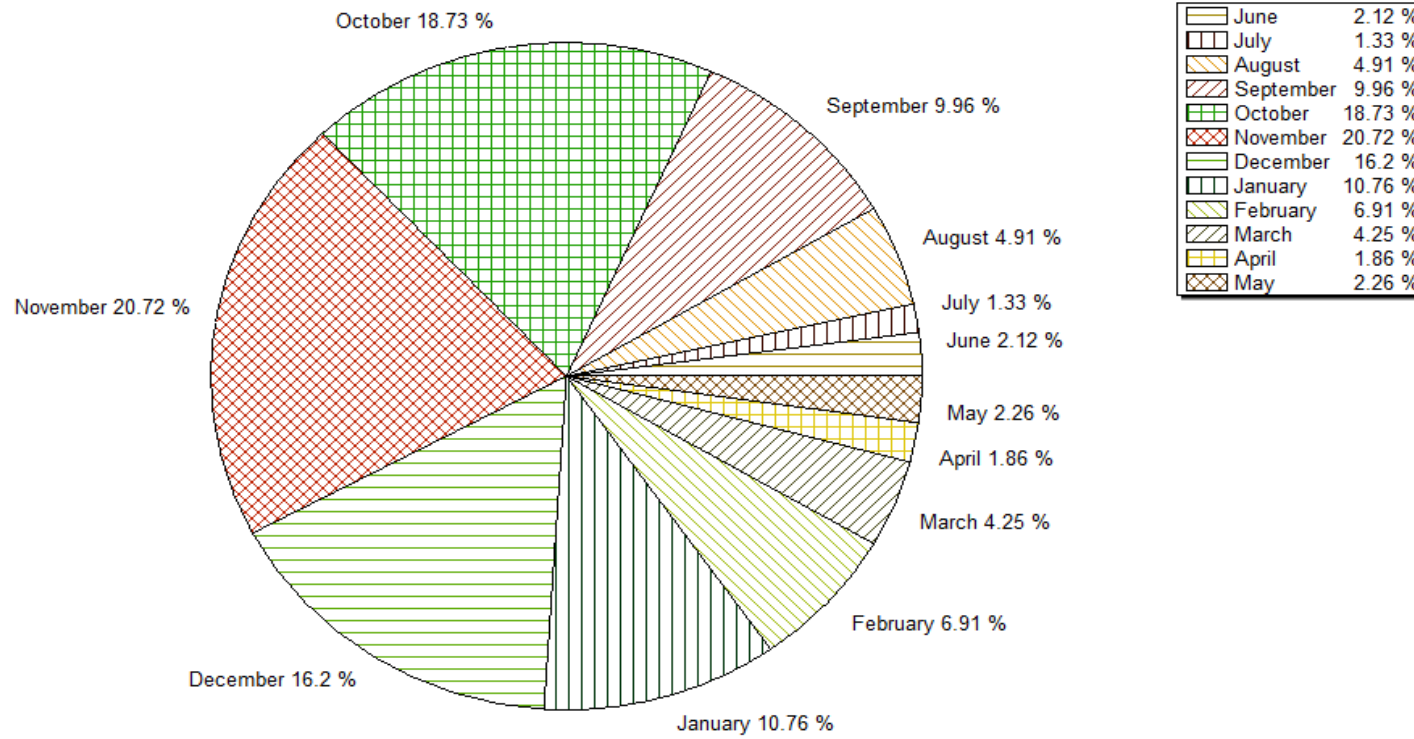
Station Name : MARELLA (AU000E5)

Local River : Gundlakamma

Division : Lower Krishna Divn., Hyderabad

Sub-Division : Lower Krishna SD 1, N.S.Dam

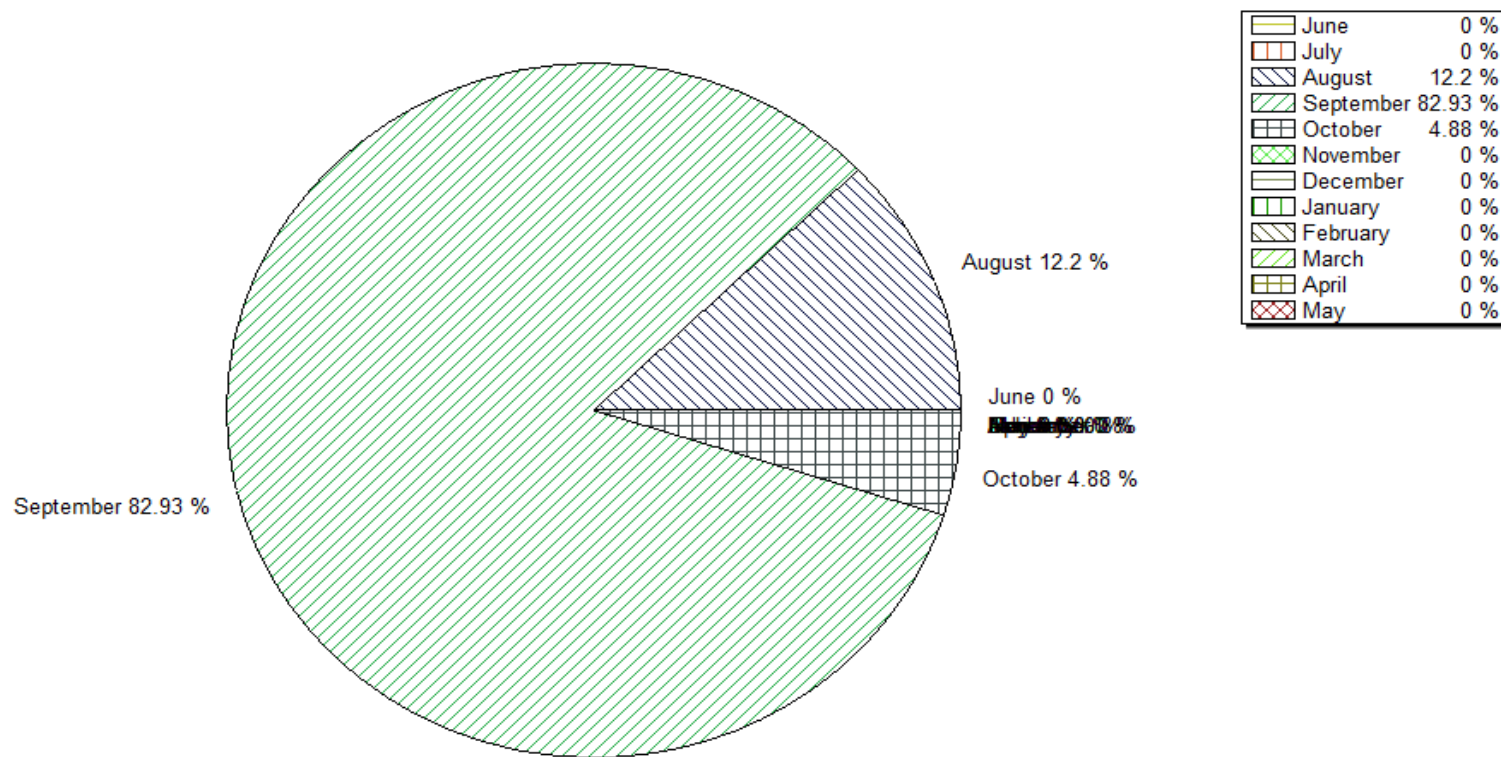
41



Station Name : MARELLA (AU000E5)
Local River : Gundlakamma

Monthly Runoff for the Year : 2016-2017

Division : Lower Krishna Divn., Hyderabad
Sub-Division : Lower Krishna SD 1, N.S.Dam

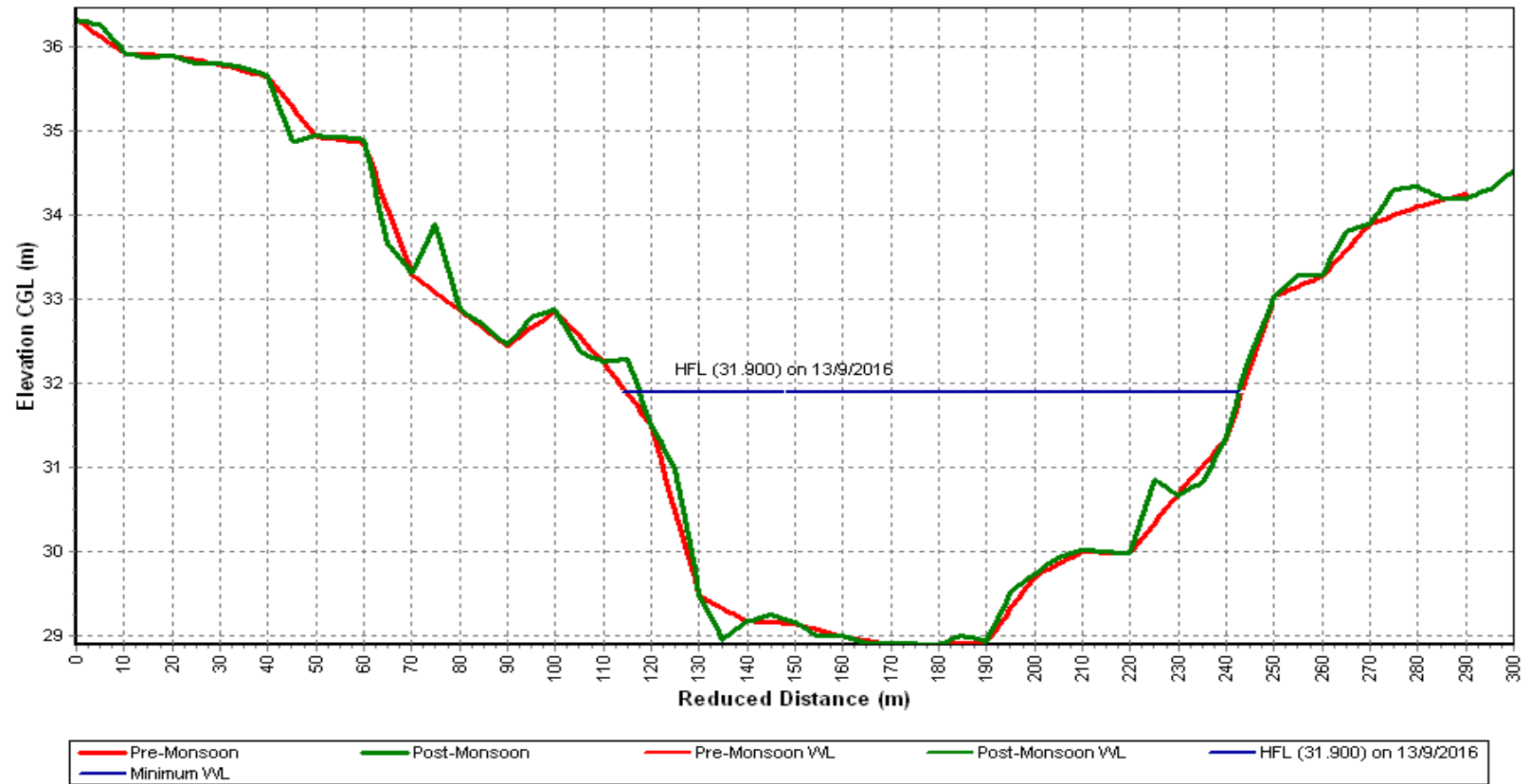


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : MARELLA (AU000E5)
Local River : Gundlakamma

Division : Lower Krishna Divn., Hyderabad
Sub-Division : Lower Krishna SD 1, N.S.Dam

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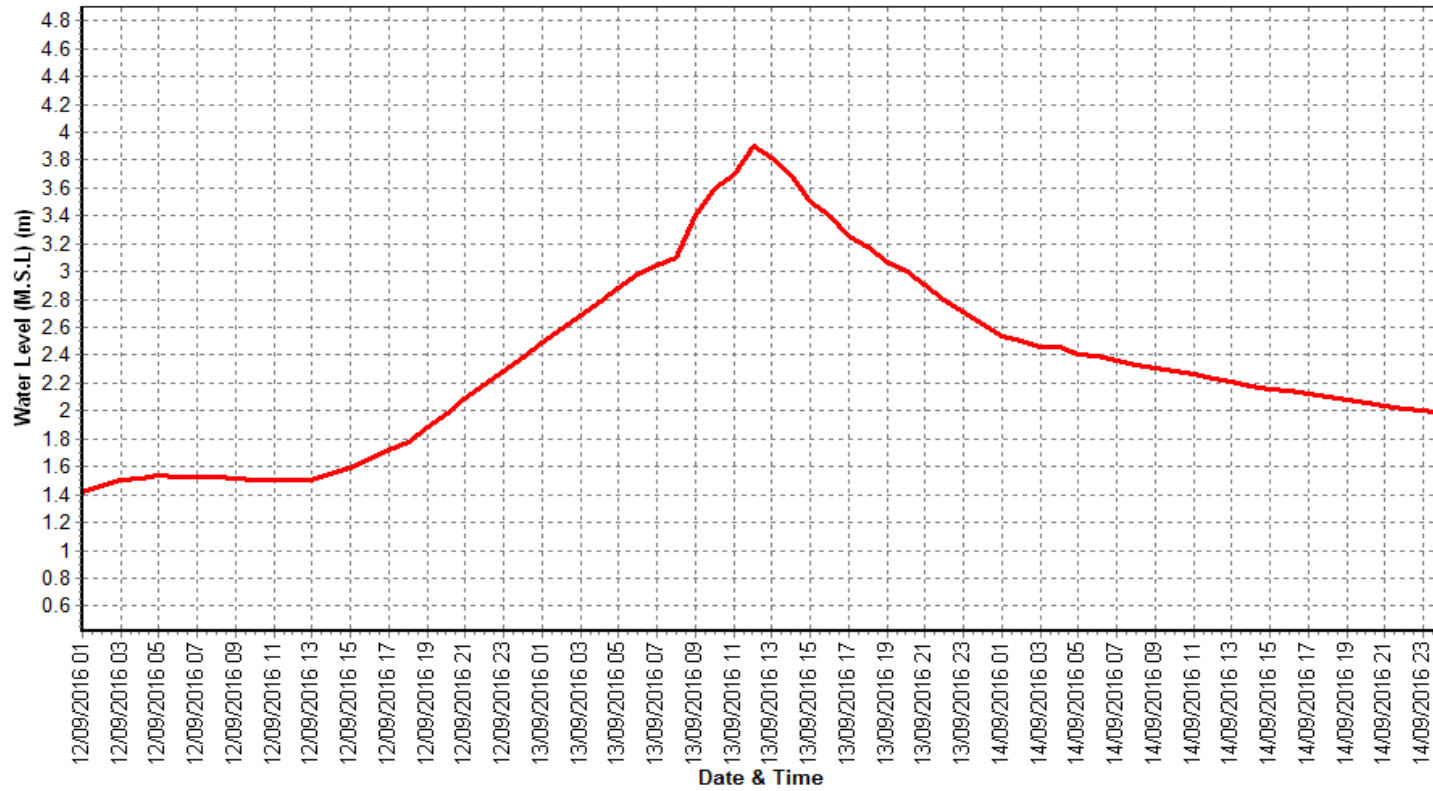
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2016-2017

Station Name : MARELLA (AU000E5)

Local River : Gundlakamma

Division : Lower Krishna Divn., Hyderabad

Sub-Division : Lower Krishna SD 1, N.S.Dam



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Time Span: 72 Hrs

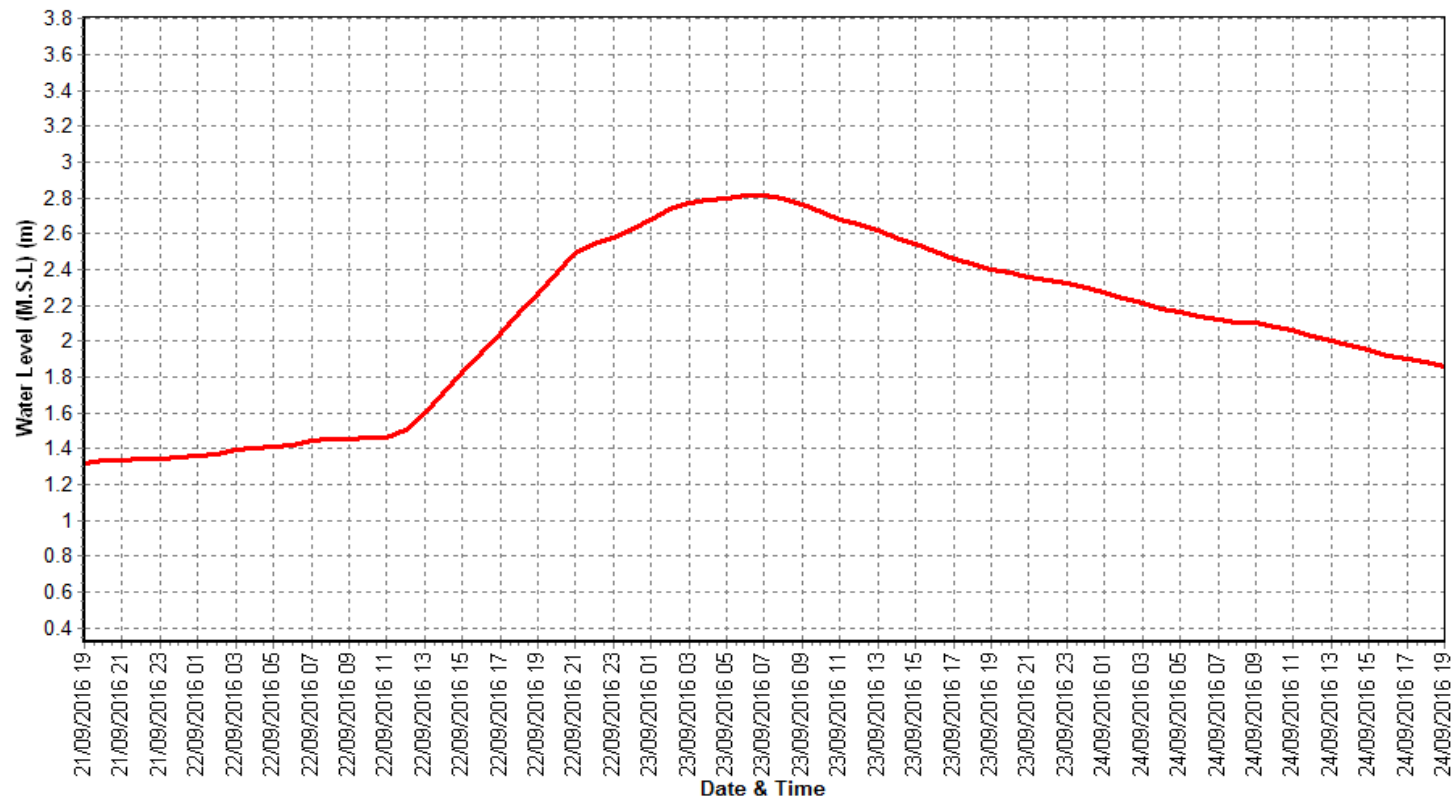
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2016-2017

Station Name : MARELLA (AU000E5)

Local River : Gundlakamma

Division : Lower Krishna Divn., Hyderabad

Sub-Division : Lower Krishna SD 1, N.S.Dam



Time Span: 72 Hrs

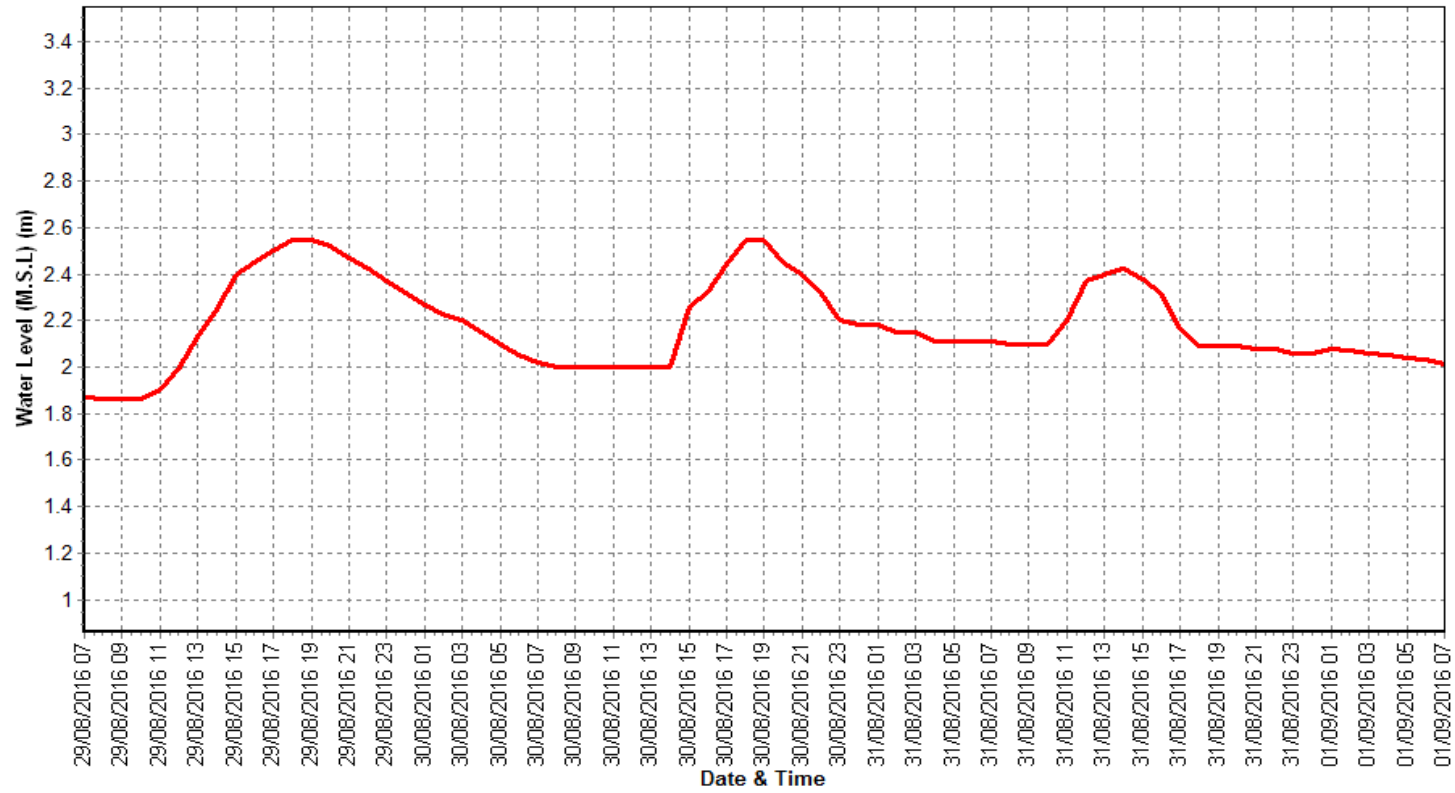
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2016-2017

Station Name : MARELLA (AU000E5)

Local River : Gundlakamma

Division : Lower Krishna Divn., Hyderabad

Sub-Division : Lower Krishna SD 1, N.S.Dam



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Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2016-2017

Site : Nellore

Code : AP000A6

State : Andhra Pradesh

District : Nellore

Basin : Pennar

Independent River : Pennar

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : Pennar SD, Kadapa

Drainage Area : 50800 Sq. Km.

Bank : Right

Latitude : 14°28'13"

Longitude : 79°59'20"

Zero of Gauge (m) : 43.500 (m.s.l) Arb
7.230 (m.s.l)14/08/1987 - 31/05/2003
01/06/2003

Opening Date

Closing Date

Gauge : 14/08/1987

Discharge : 28/08/1987

Sediment : 21/06/2014

Water Quality : 01/09/1988

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1988-1989	2726	49.195	15/09/1988	0.035	45.035	28/05/1989
1989-1990	1692	48.265	20/07/1989	0.040	44.900	25/06/1989
1990-1991	833.0	47.900	30/11/1990	0.050	44.885	07/06/1990
1991-1992	5789	51.215	18/11/1991	0.522	45.140	23/05/1992
1992-1993	436.9	46.858	19/11/1992	0.151	44.840	19/05/1993
1993-1994	1782	48.130	07/12/1993	0.122	44.810	19/07/1993
1994-1995	1762	48.544	01/11/1994	0.190	44.780	03/05/1995
1995-1996	12.62	45.418	28/10/1995	0.130	44.650	31/05/1996
1996-1997	5363	51.090	21/10/1996	0.000	Dry Bed	11/03/1997
1997-1998	947.3	47.145	08/12/1997	0.000	45.000	01/06/1997
1998-1999	2371	48.610	13/10/1998	0.000	44.820	01/06/1998
1999-2000	21.72	44.960	08/10/1999	0.000	Dry Bed	01/06/1999
2000-2001	4589	50.015	25/08/2000	0.000	Dry Bed	01/06/2000
2001-2002	8673	50.895	18/10/2001	0.000	Dry Bed	01/06/2001
2002-2003	63.65	46.180	11/11/2002	0.000	44.640	01/06/2002
2003-2004	486.9	10.015	22/10/2003	0.000	8.115	01/06/2003
2004-2005	186.8	9.360	07/11/2004	0.000	8.120	01/06/2004
2005-2006	4159	12.655	05/12/2005	0.000	8.165	01/06/2005

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2006-2007	142.4	9.475	20/11/2006	0.000	8.360	01/06/2006
2007-2008	757.4	13.390	30/10/2007	0.000	8.300	01/06/2007
2008-2009	201.8	10.650	29/11/2008	0.000	8.310	01/06/2008
2009-2010	412.1	9.920	10/11/2009	0.000	7.930	01/06/2009
2010-2011	2300	11.730	19/11/2010	0.000	7.860	01/06/2010
2011-2012	540.8	10.110	29/11/2011	0.122	7.910	22/04/2012
2012-2013	146.6	9.395	07/12/2012	0.000	7.830	14/05/2013
2013-2014	9.482	8.410	16/09/2013	0.000	7.820	01/06/2013
2014-2015	26.46	9.055	12/12/2014	0.000	7.880	01/06/2014
2015-2016	1388	11.845	17/11/2015	0.000	7.860	04/11/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : Nellore (AP000A6)

Division : Hydrology Division, Chennai

Local River : Pennar

Sub-Division : PSD, Kadapa

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	7.865	0.000	7.885	0.000	7.875	0.000	7.875	0.000	7.860	0.000	7.870	0.000
2	7.865	0.000	7.885	0.000	7.860	0.000	7.870	0.000	7.860	0.000	7.885	0.000
3	7.870	0.000	7.885	0.000	7.860	0.000	7.870	0.000	7.860	0.000	7.890	0.000
4	7.870	0.000	7.885	0.000	7.860	0.000	7.870	0.000	7.860	0.000	7.890	0.000
5	7.870	0.000	7.880	0.000	7.860	0.000	7.870	0.000	7.855	0.000	7.895	0.000
6	7.870	0.000	7.880	0.000	7.860	0.000	7.860	0.000	7.850	0.000	7.895	0.000
7	7.880	0.000	7.880	0.000	7.860	0.000	7.850	0.000	7.850	0.000	7.895	0.000
8	7.880	0.000	7.880	0.000	7.860	0.000	7.850	0.000	7.850	0.000	7.895	0.000
9	7.880	0.000	7.880	0.000	7.860	0.000	7.860	0.000	7.850	0.000	7.895	0.000
10	7.875	0.000	7.875	0.000	7.865	0.000	7.865	0.000	7.855	0.000	7.895	0.000
11	7.870	0.000	7.875	0.000	7.860	0.000	7.875	0.000	7.850	0.000	7.895	0.000
12	7.870	0.000	7.870	0.000	7.860	0.000	7.885	0.000	7.850	0.000	7.900	0.000
13	7.870	0.000	7.870	0.000	7.860	0.000	7.885	0.000	7.850	0.000	7.945	0.000
14	7.880	0.000	7.870	0.000	7.860	0.000	7.875	0.000	7.865	0.000	8.005	0.000
15	7.870	0.000	7.870	0.000	7.860	0.000	7.875	0.000	7.865	0.000	8.010	0.000
16	7.870	0.000	7.870	0.000	7.860	0.000	7.875	0.000	7.865	0.000	8.005	0.000
17	7.890	0.000	7.870	0.000	7.860	0.000	7.875	0.000	7.865	0.000	7.965	0.000
18	7.900	0.000	7.865	0.000	7.860	0.000	7.875	0.000	7.865	0.000	7.905	0.000
19	7.910	0.000	7.865	0.000	7.860	0.000	7.870	0.000	7.865	0.000	7.895	0.000
20	7.910	0.000	7.870	0.000	7.860	0.000	7.860	0.000	7.865	0.000	7.890	0.000
21	7.900	0.000	7.870	0.000	7.860	0.000	7.860	0.000	7.865	0.000	7.890	0.000
22	7.900	0.000	7.870	0.000	7.860	0.000	7.865	0.000	7.865	0.000	7.890	0.000
23	7.900	0.000	7.870	0.000	7.860	0.000	7.865	0.000	7.865	0.000	7.890	0.000
24	7.885	0.000	7.870	0.000	7.860	0.000	7.865	0.000	7.865	0.000	7.890	0.000
25	7.885	0.000	7.890	0.000	7.860	0.000	7.860	0.000	7.865	0.000	7.890	0.000
26	7.880	0.000	7.880	0.000	7.875	0.000	7.860	0.000	7.865	0.000	7.885	0.000
27	7.880	0.000	7.880	0.000	7.875	0.000	7.860	0.000	7.865	0.000	7.880	0.000
28	7.880	0.000	7.900	0.000	7.875	0.000	7.860	0.000	7.865	0.000	7.880	0.000
29	7.885	0.000	7.895	0.000	7.875	0.000	7.860	0.000	7.880	0.000	7.880	0.000
30	7.885	0.000	7.885	0.000	7.885	0.000	7.860	0.000	7.870	0.000	7.880	0.000
31			7.875	0.000	7.885	0.000			7.865	0.000		
Ten-Daily Mean												
I Ten-Daily	7.872	0.000	7.882	0.000	7.862	0.000	7.864	0.000	7.855	0.000	7.891	0.000
II Ten-Daily	7.884	0.000	7.870	0.000	7.860	0.000	7.875	0.000	7.860	0.000	7.941	0.000
III Ten-Daily	7.888	0.000	7.880	0.000	7.870	0.000	7.861	0.000	7.867	0.000	7.885	0.000
Monthly												
Min.	7.865	0.000	7.865	0.000	7.860	0.000	7.850	0.000	7.850	0.000	7.870	0.000
Max.	7.910	0.000	7.900	0.000	7.885	0.000	7.885	0.000	7.880	0.000	8.010	0.000
Mean	7.881	0	7.877	0	7.864	0	7.867	0	7.861	0	7.906	0

Annual Runoff in MCM = 0 Annual Runoff in mm = 0

Peak Observed Discharge = 1.157 cumecs on 15/12/2016 Corres. Water Level :8.01 m

Lowest Observed Discharge = 0.000 cumecs on 01/06/2016 Corres. Water Level :7.865 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2016 - 2017

Station Name : Nellore (AP000A6)

Division : Hydrology Division, Chennai

Local River : Pennar

Sub-Division : PSD, Kadapa

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	7.880	0.000	7.880	0.000	7.915	0.000	7.910	0.000	7.910	0.000	7.890	0.000
2	7.885	0.000	7.880	0.000	7.915	0.000	7.915	0.000	7.910	0.000	7.890	0.000
3	7.890	0.000	7.880	0.000	7.915	0.000	7.900	0.000	7.905	0.000	7.890	0.000
4	7.890	0.000	7.885	0.000	7.915	0.000	7.905	0.000	7.900	0.000	7.890	0.000
5	7.895	0.000	7.885	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.880	0.000
6	7.895	0.000	7.885	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.880	0.000
7	7.895	0.000	7.885	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.880	0.000
8	7.895	0.000	7.895	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.880	0.000
9	7.895	0.000	7.900	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.875	0.000
10	7.895	0.000	7.900	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.875	0.000
11	7.895	0.000	7.900	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.875	0.000
12	7.900	0.000	7.900	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.875	0.000
13	7.945	0.000	7.900	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.875	0.000
14	8.005	1.103	7.900	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.875	0.000
15	8.010	1.157	7.900	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.875	0.000
16	8.005	0.809	7.900	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.875	0.000
17	7.965	0.504	7.900	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.875	0.000
18	7.905	0.000	7.900	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.880	0.000
19	7.895	0.000	7.910	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.880	0.000
20	7.890	0.000	7.910	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.885	0.000
21	7.890	0.000	7.910	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.885	0.000
22	7.890	0.000	7.910	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.890	0.000
23	7.890	0.000	7.910	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.905	0.000
24	7.890	0.000	7.915	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.910	0.000
25	7.890	0.000	7.915	0.000	7.910	0.000	7.910	0.000	7.895	0.000	7.910	0.000
26	7.885	0.000	7.915	0.000	7.910	0.000	7.910	0.000	7.890	0.000	7.910	0.000
27	7.880	0.000	7.915	0.000	7.910	0.000	7.910	0.000	7.890	0.000	7.910	0.000
28	7.880	0.000	7.915	0.000	7.910	0.000	7.910	0.000	7.890	0.000	7.910	0.000
29	7.880	0.000	7.915	0.000			7.910	0.000	7.890	0.000	7.910	0.000
30	7.880	0.000	7.915	0.000			7.910	0.000	7.890	0.000	7.910	0.000
31	7.880	0.000	7.915	0.000			7.910	0.000			7.910	0.000
Ten-Daily Mean												
I Ten-Daily	7.891	0.000	7.887	0.000	7.912	0.000	7.909	0.000	7.903	0.000	7.883	0.000
II Ten-Daily	7.941	0.357	7.902	0.000	7.910	0.000	7.910	0.000	7.900	0.000	7.877	0.000
III Ten-Daily	7.885	0.000	7.914	0.000	7.910	0.000	7.910	0.000	7.894	0.000	7.905	0.000
Monthly												
Min.	7.880	0.000	7.880	0.000	7.910	0.000	7.900	0.000	7.890	0.000	7.875	0.000
Max.	8.010	1.157	7.915	0.000	7.915	0.000	7.915	0.000	7.910	0.000	7.910	0.000
Mean	7.905	0.115	7.901	0	7.911	0	7.910	0	7.899	0	7.889	0

Q: Observed/Computed Discharge in cumecs

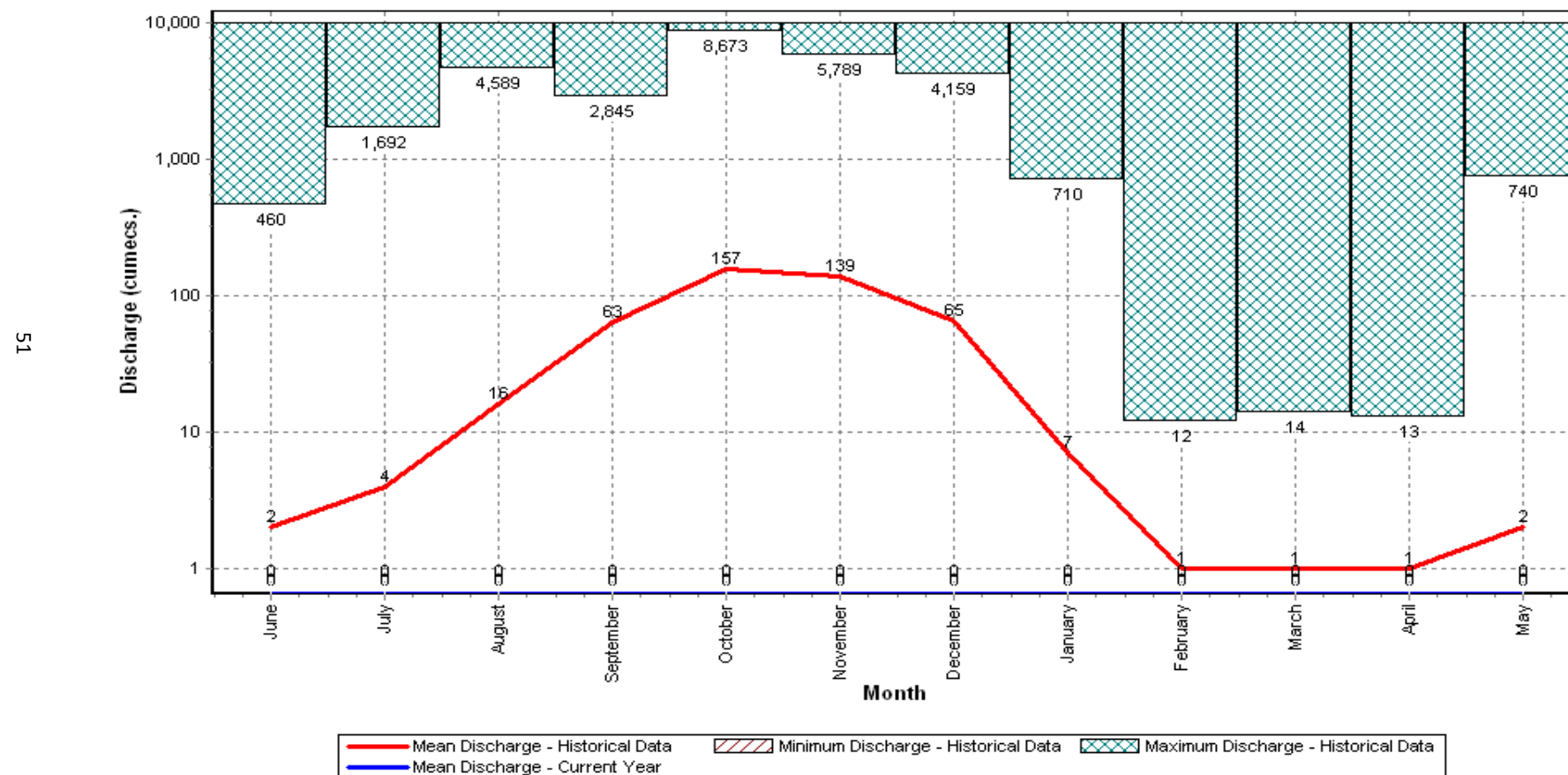
WL:Corresponding Mean Water Level(m.s.l) in m

Note:Missing values ignored while arriving at Annual Runoff

Station Name : Nellore (AP000A6)
Local River : Pennar

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017 Data considered : 1988-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



Annual Runoff Values for the period: 1988 - 2017

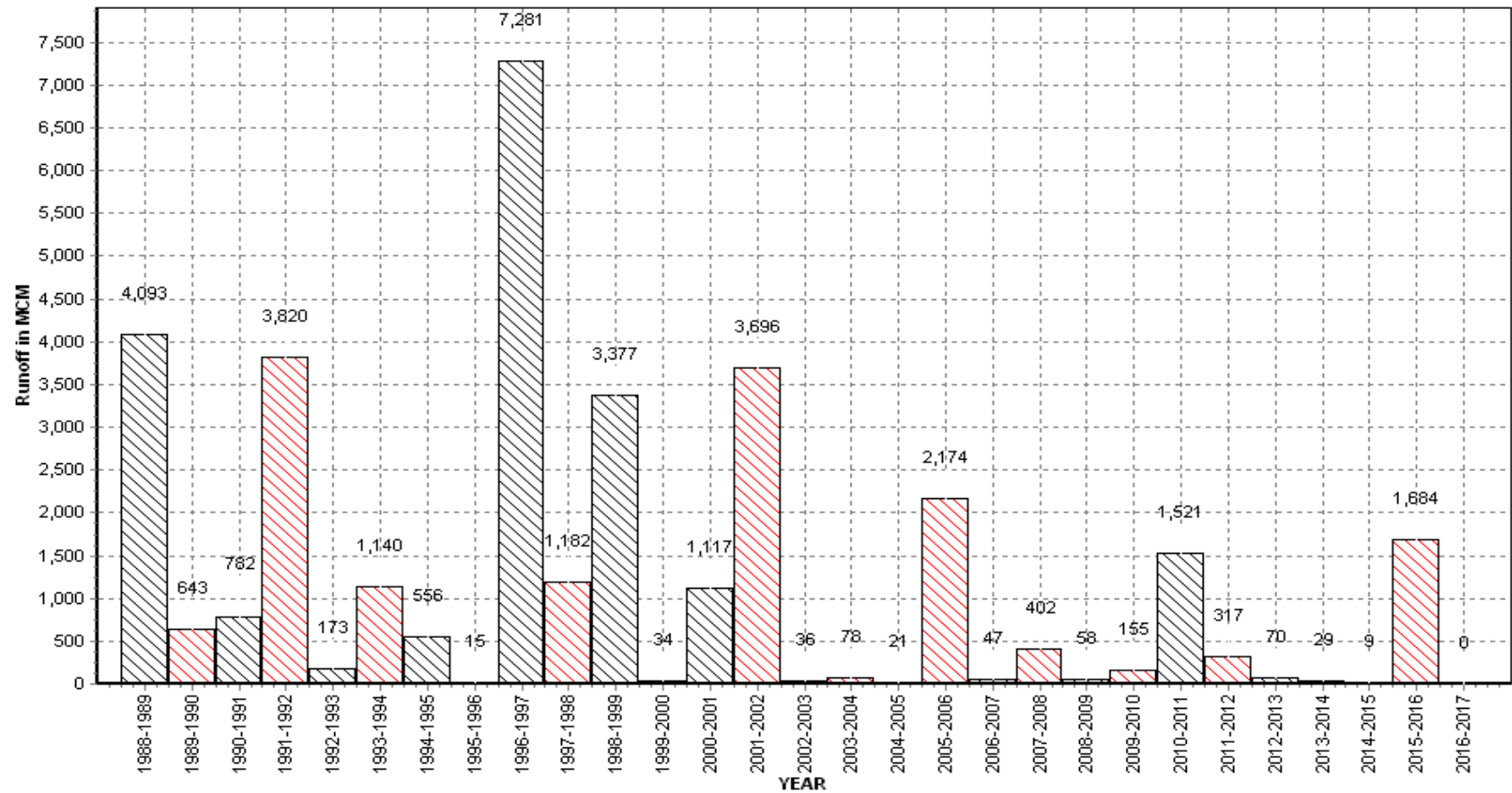
Station Name : Nellore (AP000A6)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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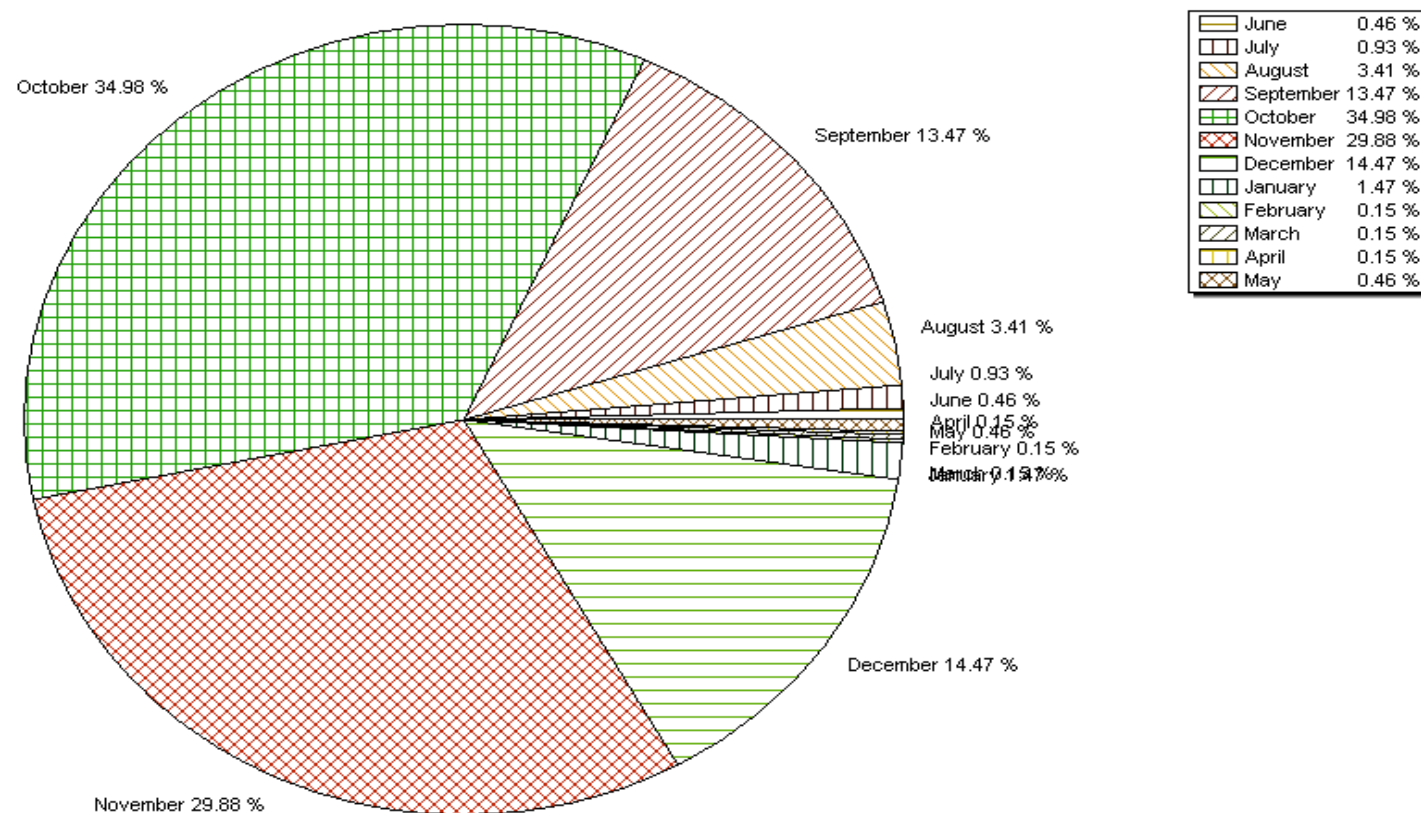


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Nellore (AP000A6)
Local River : Pennar

Monthly Average Runoff based on period : 1988-2016

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

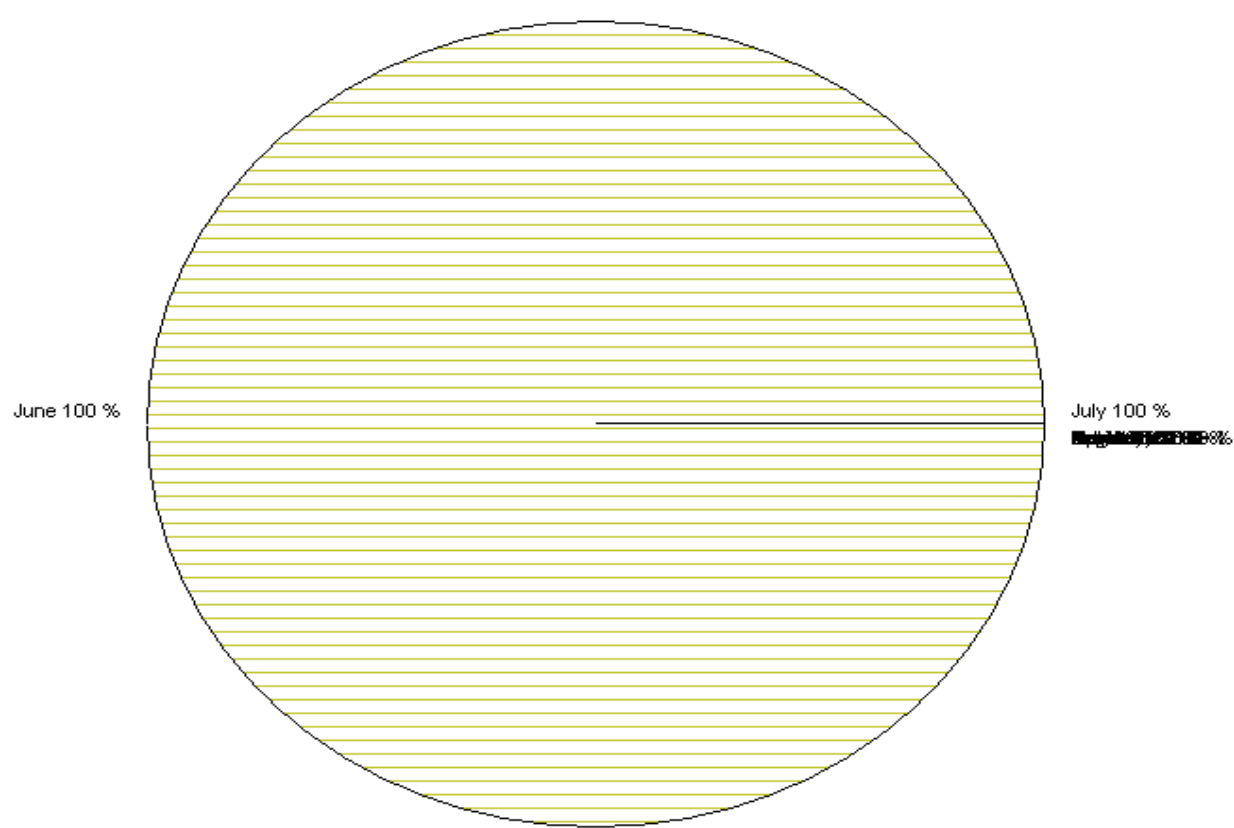


Station Name : Nellore (AP000A6)
Local River : Pennar

Monthly Runoff for the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

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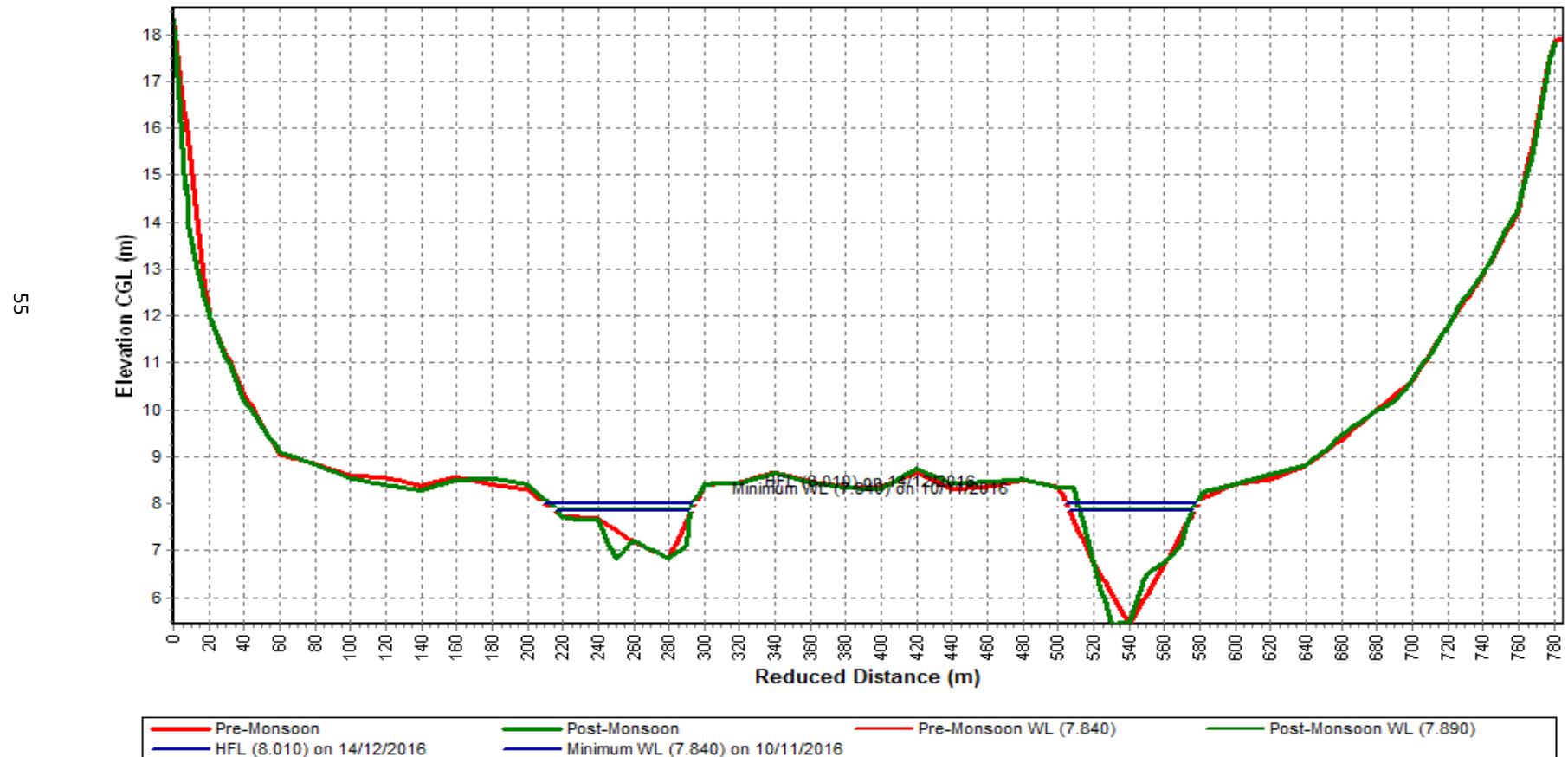
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : Nellore (AP000A6)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa



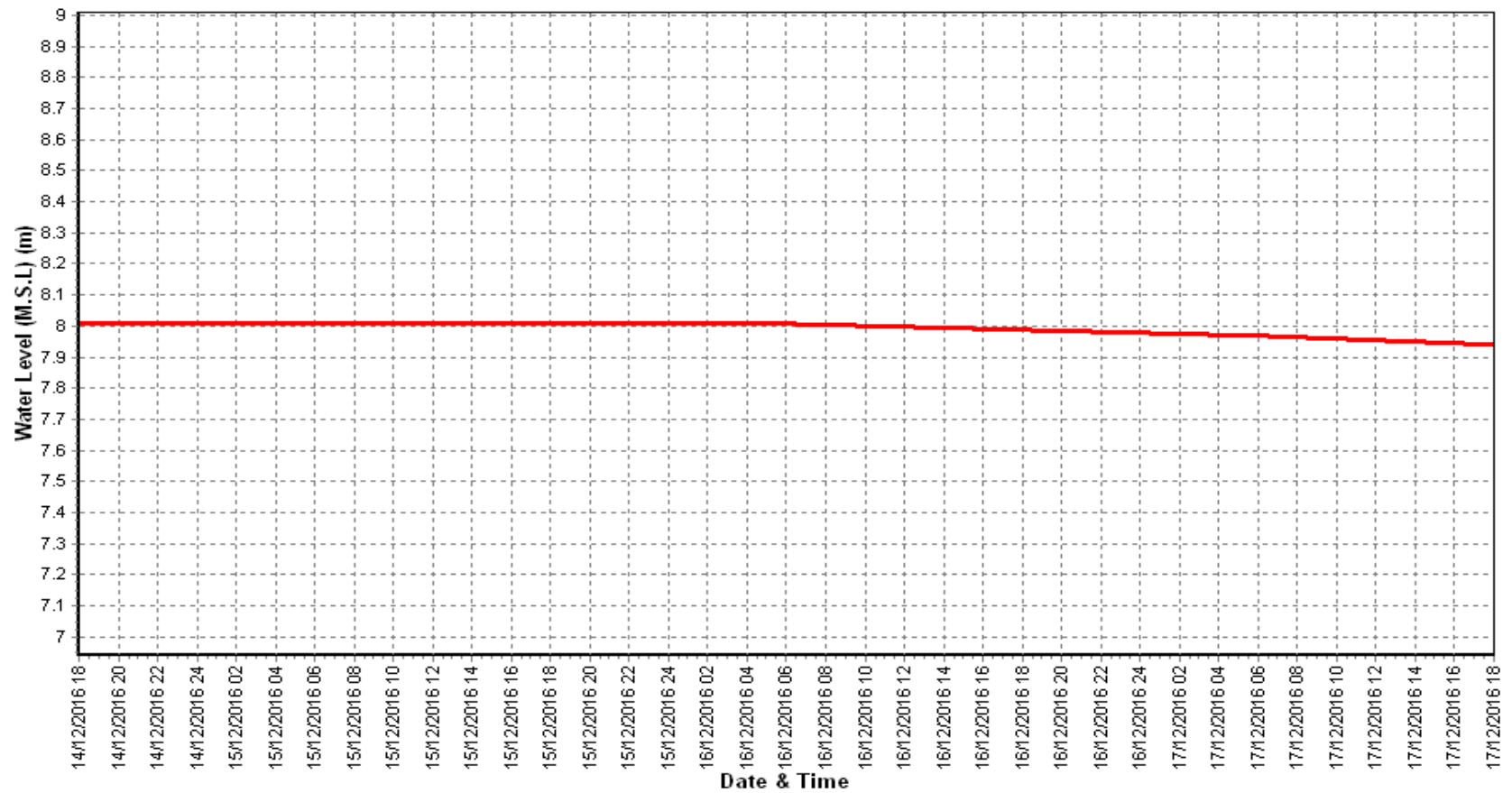
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2016-2017

Station Name : Nellore (AP000A6)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa



Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2016-2017

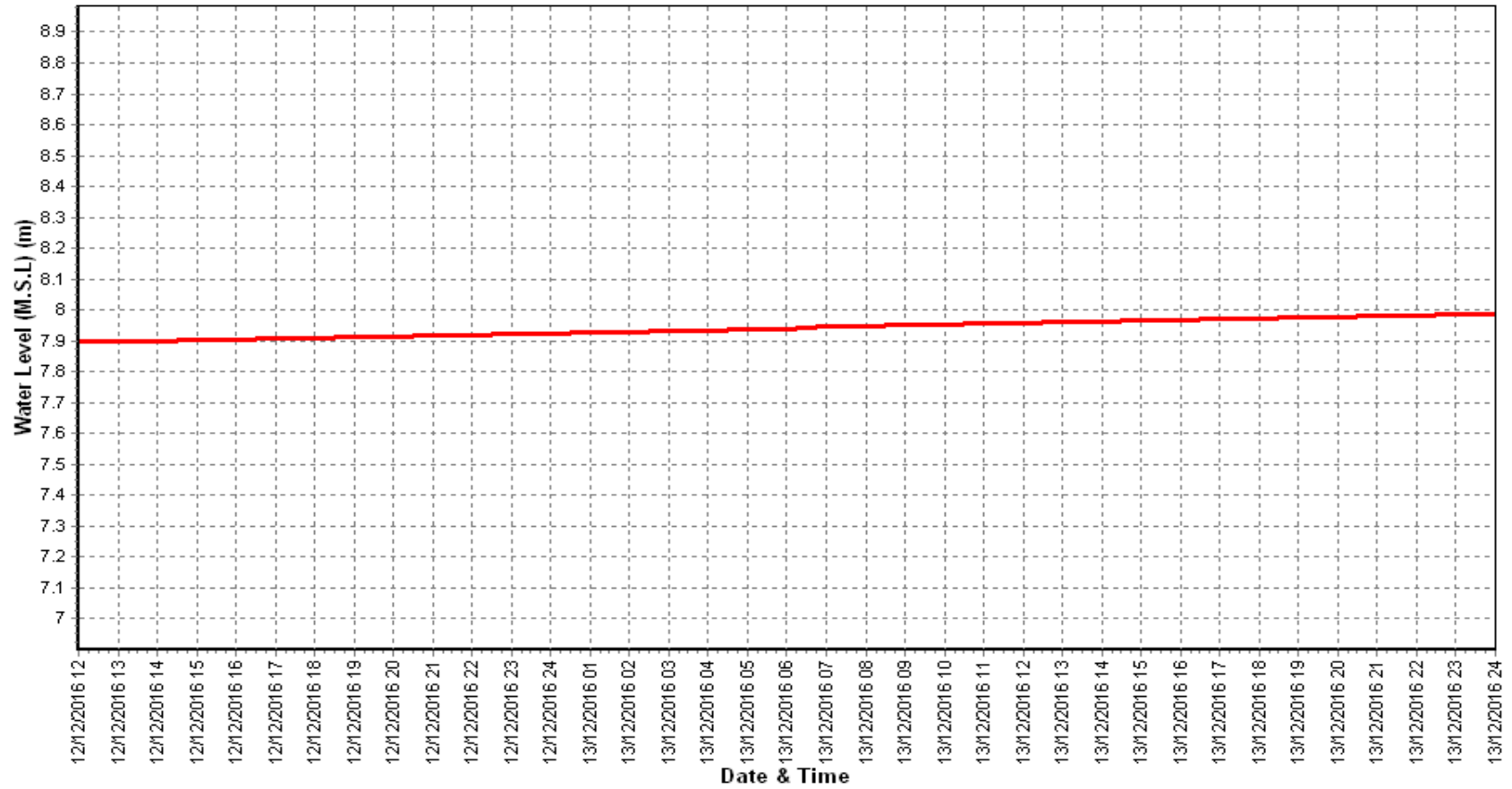
Station Name : Nellore (AP000A6)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

LS



Time Span: 72 Hrs

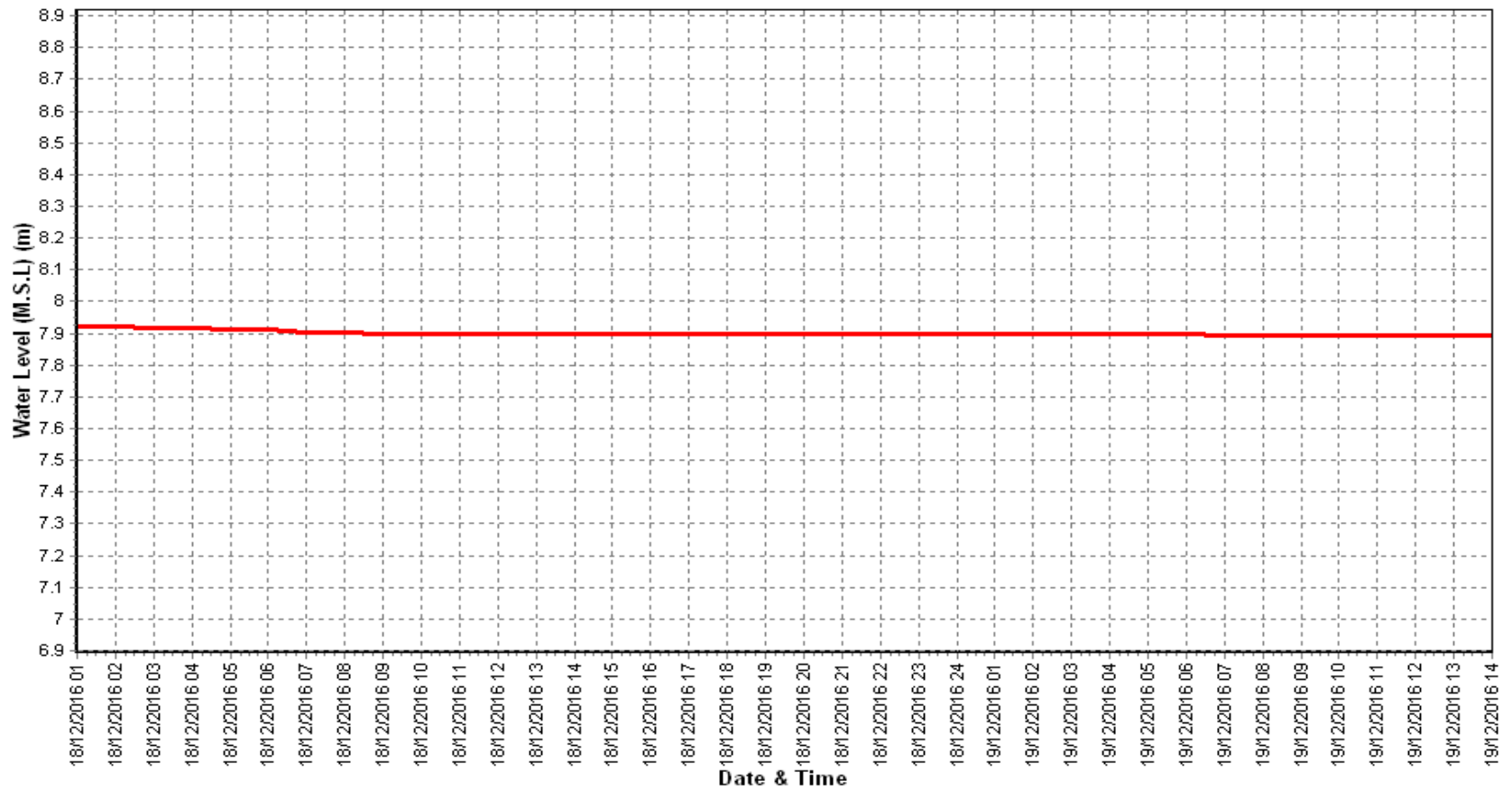
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2016-2017

Station Name : Nellore (AP000A6)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2016-2017

Site : Nandipalli

Code : APC00G7

State : Andhra Pradesh

District : Kadapa

Basin : Pennar

Independent River : Pennar

Tributary : Sagileru

Sub Tributary :

Sub-Sub Tributary :

Local River : Sagileru

Division : Hydrology Division, Chennai

Sub-Division : Pennar SD, Kadapa

Drainage Area : 2486 Sq. Km.

Bank : Right

Latitude : 14°43'16"

Longitude : 79°01'08"

Zero of Gauge (m) : 95.000 (m.s.l)

10/11/1989

Opening Date

Closing Date

Gauge : 10/11/1989

Discharge : 18/06/1990

Sediment : 12/06/2013

Water Quality : 01/06/1994

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1990-1991	319.0	99.270	10/09/1990	0.000	Dry Bed	24/06/1990
1991-1992	258.9	99.730	18/11/1991	0.100	96.830	28/05/1992
1992-1993	13.78	97.481	16/11/1992	0.000	96.470	10/07/1992
1993-1994	132.6	98.406	12/11/1993	0.000	Dry Bed	01/06/1993
1994-1995	167.6	98.625	06/10/1994	0.000	Dry Bed	01/06/1994
1995-1996	95.74	98.160	31/08/1995	0.000	Dry Bed	01/06/1995
1996-1997	640.3	102.430	19/10/1996	0.000	Dry Bed	01/06/1996
1997-1998	10.55	97.810	10/08/1997	0.000	Dry Bed	01/06/1997
1998-1999	227.5	99.050	14/10/1998	0.000	Dry Bed	01/06/1998
1999-2000	5.159	96.900	07/10/1999	0.000	Dry Bed	01/06/1999
2000-2001	176.7	98.595	24/08/2000	0.000	Dry Bed	01/06/2000
2001-2002	1008	101.730	17/10/2001	0.000	Dry Bed	01/06/2001
2002-2003	12.80	97.165	11/06/2002	0.000	Dry Bed	01/06/2002
2003-2004	302.7	98.790	22/10/2003	0.000	Dry Bed	01/06/2003
2004-2005	5.414	96.820	05/10/2004	0.000	Dry Bed	01/06/2004
2005-2006	812.0	100.650	29/10/2005	0.000	Dry Bed	01/06/2005
2006-2007	10.91	97.270	07/11/2006	0.000	96.460	01/06/2006
2007-2008	1184	101.000	23/06/2007	0.000	96.110	01/06/2007
2008-2009	519.2	99.390	29/11/2008	0.000	96.440	09/06/2008

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2009-2010	99.19	98.010	09/11/2009	0.000	96.480	01/06/2009
2010-2011	329.9	98.800	08/12/2010	0.000	96.180	01/06/2010
2011-2012	112.0	98.200	28/11/2011	0.000	96.300	23/06/2011
2012-2013	12.45	97.260	23/10/2012	0.000	96.450	08/07/2012
2013-2014	591.5	99.930	24/10/2013	0.000	96.450	01/06/2013
2014-2015	2.001	96.585	28/10/2014	0.000	96.020	01/06/2014
2015-2016	136.3	97.980	17/11/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : Nandipalli (APC00G7)

Division : Hydrology Division, Chennai

Local River : Sagileru

Sub-Division : PSD, Kadapa

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000	96.400	0.247 #	96.490	1.136	96.010	0.000		0.000		0.000
2		0.000	96.350	0.000	96.395	0.162	96.000	0.000		0.000		0.000
3		0.000	96.350	0.000	96.380	0.139 #	96.390	0.000		0.000		0.000
4		0.000	96.340	0.000	96.350	0.000	96.330	0.000		0.000		0.000
5		0.000	96.310	0.000	96.340	0.000	96.260	0.000		0.000		0.000
6		0.000	96.300	0.000	96.310	0.000	96.190	0.000		0.000		0.000
7		0.000	96.280	0.000	96.290	0.000	96.110	0.000		0.000		0.000
8		0.000	96.250	0.000	96.250	0.000	96.070	0.000		0.000		0.000
9		0.000	96.220	0.000	96.200	0.000	95.980	0.000		0.000		0.000
10		0.000	96.190	0.000	96.120	0.000	95.880	0.000		0.000		0.000
11		0.000	96.160	0.000	96.090	0.000	95.820	0.000		0.000		0.000
12		0.000	96.110	0.000	96.040	0.000	95.740	0.000		0.000		0.000
13		0.000	96.090	0.000	95.980	0.000	95.700	0.000		0.000		0.000
14		0.000	96.040	0.000	95.950	0.000	95.630	0.000		0.000		0.000
15		0.000	95.960	0.000	95.950	0.000	95.570	0.000		0.000		0.000
16		0.000	95.900	0.000	95.930	0.000	95.450	0.000		0.000		0.000
17		0.000	95.850	0.000	95.870	0.000	95.370	0.000		0.000		0.000
18		0.000	95.820	0.000	95.830	0.000	95.330	0.000		0.000		0.000
19		0.000	95.810	0.000	95.830	0.000	95.280	0.000		0.000		0.000
20		0.000	95.800	0.000	95.930	0.000	95.190	0.000		0.000		0.000
21		0.000	95.790	0.000	95.910	0.000	95.080	0.000		0.000		0.000
22		0.000	95.780	0.000	95.830	0.000	95.130	0.000		0.000		0.000
23	96.555	1.634	95.760	0.000	95.800	0.000	95.040	0.000		0.000		0.000
24	96.415	0.425	95.750	0.000	95.730	0.000	95.020	0.000		0.000		0.000
25	96.350	0.000	95.780	0.000	95.660	0.000	95.020	0.000		0.000		0.000
26	96.300	0.000	95.800	0.000	95.540	0.000	95.020	0.000		0.000		0.000
27	96.290	0.000	95.790	0.000	95.490	0.000	95.010	0.000		0.000		0.000
28	96.280	0.000	95.820	0.000	95.450	0.000	95.010	0.000		0.000		0.000
29	96.280	0.000	95.900	0.000	95.410	0.000	95.010	0.000		0.000		0.000
30	96.495	0.994	96.700	4.159	95.940	0.000		0.000		0.000		0.000
31			96.600	2.474 *	95.950	0.000				0.000		
Ten-Daily Mean												
I Ten-Daily		0.000	96.299	0.025	96.313	0.144	96.122	0.000		0.000		0.000
II Ten-Daily		0.000	95.954	0.000	95.940	0.000	95.508	0.000		0.000		0.000
III Ten-Daily	96.371	0.305	95.952	0.603	95.701	0.000	95.038	0.000		0.000		0.000
Monthly												
Min.	96.280	0.000	95.750	0.000	95.410	0.000	95.010	0.000		0.000		0.000
Max.	96.555	1.634	96.700	4.159	96.490	1.136	96.390	0.000		0.000		0.000
Mean	96.371	0.102	96.065	0.222	95.975	0.046	95.574	0		0		0

Annual Runoff in MCM = 4 Annual Runoff in mm = 2

Peak Observed Discharge = 4.159 cumecs on 30/07/2016 Corres. Water Level :96.7 m

Lowest Observed Discharge = 0.000 cumecs on 01/06/2016

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2016 - 2017

Station Name : Nandipalli (APC00G7)

Division : Hydrology Division, Chennai

Local River : Sagileru

Sub-Division : PSD, Kadapa

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1		0.000		0.000		0.000	95.670	0.000	95.180	0.000	96.380	0.000
2		0.000		0.000		0.000	95.610	0.000	95.140	0.000	96.390	0.000
3		0.000		0.000		0.000	95.530	0.000	95.090	0.000	96.390	0.000
4		0.000		0.000		0.000	95.380	0.000	95.060	0.000	96.290	0.000
5		0.000		0.000		0.000	95.340	0.000	95.030	0.000	96.260	0.000
6		0.000		0.000		0.000	95.250	0.000	95.020	0.000	96.200	0.000
7		0.000		0.000		0.000	95.180	0.000	95.010	0.000	96.190	0.000
8		0.000		0.000		0.000	95.100	0.000		0.000	96.180	0.000
9		0.000		0.000		0.000	95.050	0.000	96.130	0.000	96.180	0.000
10		0.000		0.000		0.000	95.050	0.000	96.630	2.920	96.150	0.000
11		0.000		0.000		0.000	95.050	0.000	96.570	1.657	96.110	0.000
12		0.000		0.000		0.000	95.030	0.000	96.600	2.795	96.080	0.000
13		0.000		0.000		0.000	95.200	0.000	96.635	2.826	96.060	0.000
14		0.000		0.000		0.000	95.790	0.000	96.600	2.426 *	96.050	0.000
15		0.000		0.000		0.000	95.760	0.000	96.460	0.480	96.010	0.000
16		0.000		0.000		0.000	95.820	0.000	96.400	0.000	95.980	0.000
17		0.000		0.000		0.000	95.930	0.000	96.340	0.000	95.950	0.000
18		0.000		0.000		0.000	95.900	0.000	96.370	0.000	95.910	0.000
19		0.000		0.000		0.000	95.890	0.000	96.510	1.341	95.880	0.000
20		0.000		0.000		0.000	95.860	0.000	96.520	1.383	95.850	0.000
21		0.000		0.000		0.000	95.820	0.000	96.540	1.591	95.810	0.000
22		0.000		0.000		0.000	95.820	0.000	96.610	2.578	95.780	0.000
23		0.000		0.000		0.000	95.810	0.000	96.600	2.426 *	95.740	0.000
24		0.000		0.000	95.530	0.000	95.760	0.000	96.590	2.162	95.680	0.000
25		0.000		0.000	95.510	0.000	95.710	0.000	96.610	2.573	95.640	0.000
26		0.000		0.000	95.560	0.000	95.630	0.000	96.590	2.215	95.610	0.000
27		0.000		0.000	95.780	0.000	95.570	0.000	96.580	2.095	95.590	0.000
28		0.000		0.000	95.730	0.000	95.570	0.000	96.580	2.147	95.560	0.000
29		0.000		0.000			95.500	0.000	96.500	0.683	95.500	0.000
30		0.000		0.000			95.370	0.000	96.480	0.703 *	95.460	0.000
31		0.000		0.000			95.240	0.000			95.430	0.000
<u>Ten-Daily Mean</u>												
I Ten-Daily		0.000		0.000		0.000	95.316	0.000	95.366	0.292	96.261	0.000
II Ten-Daily		0.000		0.000		0.000	95.623	0.000	96.501	1.291	95.988	0.000
III Ten-Daily		0.000		0.000	95.622	0.000	95.618	0.000	96.568	1.917	95.618	0.000
<u>Monthly</u>												
Min.		0.000		0.000	95.510	0.000	95.030	0.000	95.010	0.000	95.430	0.000
Max.		0.000		0.000	95.780	0.000	95.930	0.000	96.635	2.920	96.390	0.000
Mean		0		0	95.622	0	95.522	0	96.172	1.167	95.945	0

Peak Computed Discharge = 2.474 cumecs on 31/07/2016

Corres. Water Level :96.6 m

Lowest Computed Discharge = 0.703 cumecs on 30/04/2017

Corres. Water Level :96.48 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

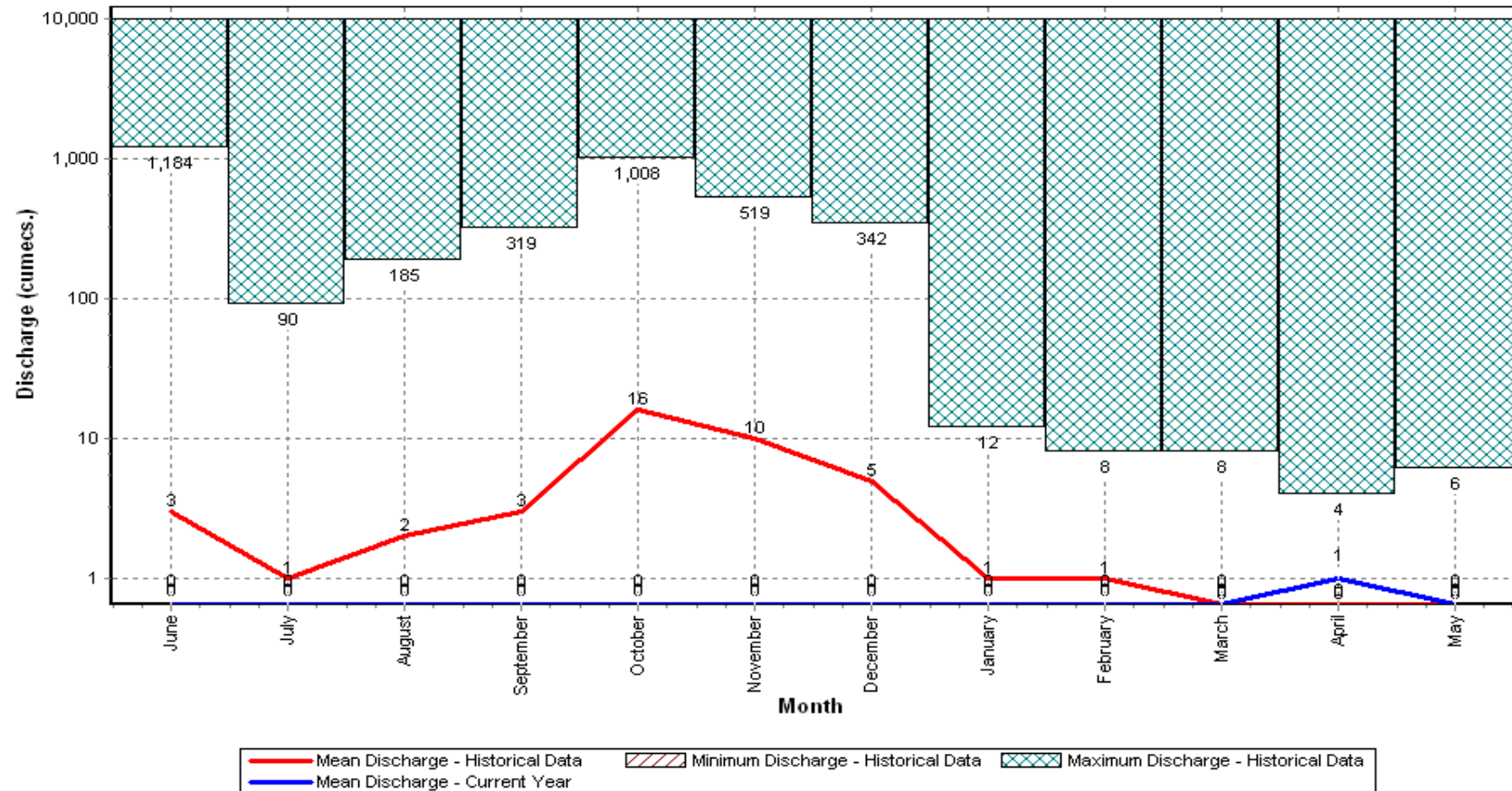
#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Station Name : Nandipalli (APC00G7)
Local River : Sagileru

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017 Data considered : 1990-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



Annual Runoff Values for the period: 1990 - 2017

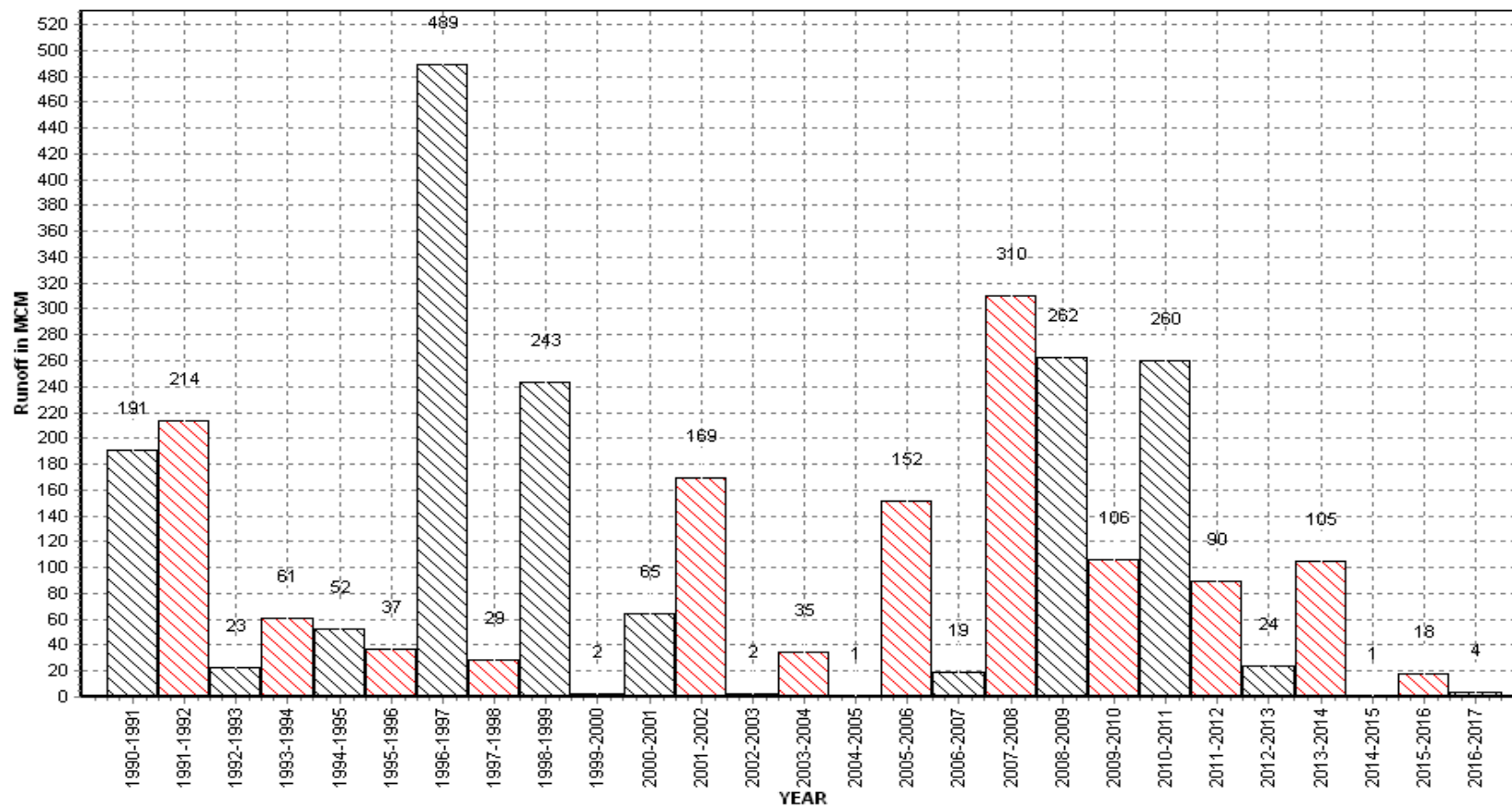
Station Name : Nandipalli (APC00G7)

Local River : Sagileru

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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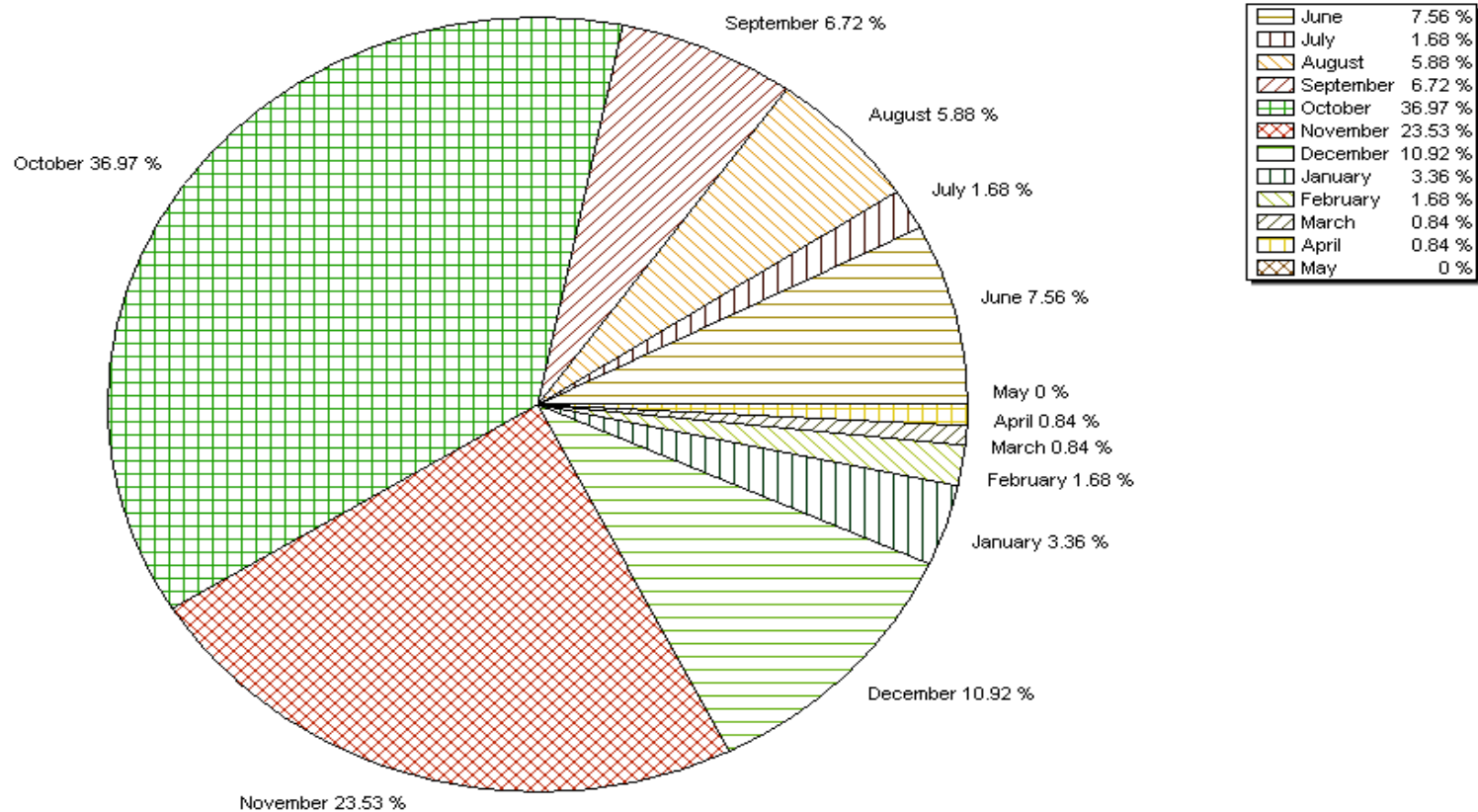


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Nandipalli (APC00G7)
Local River : Sagileru

Monthly Average Runoff based on period : 1990-2016

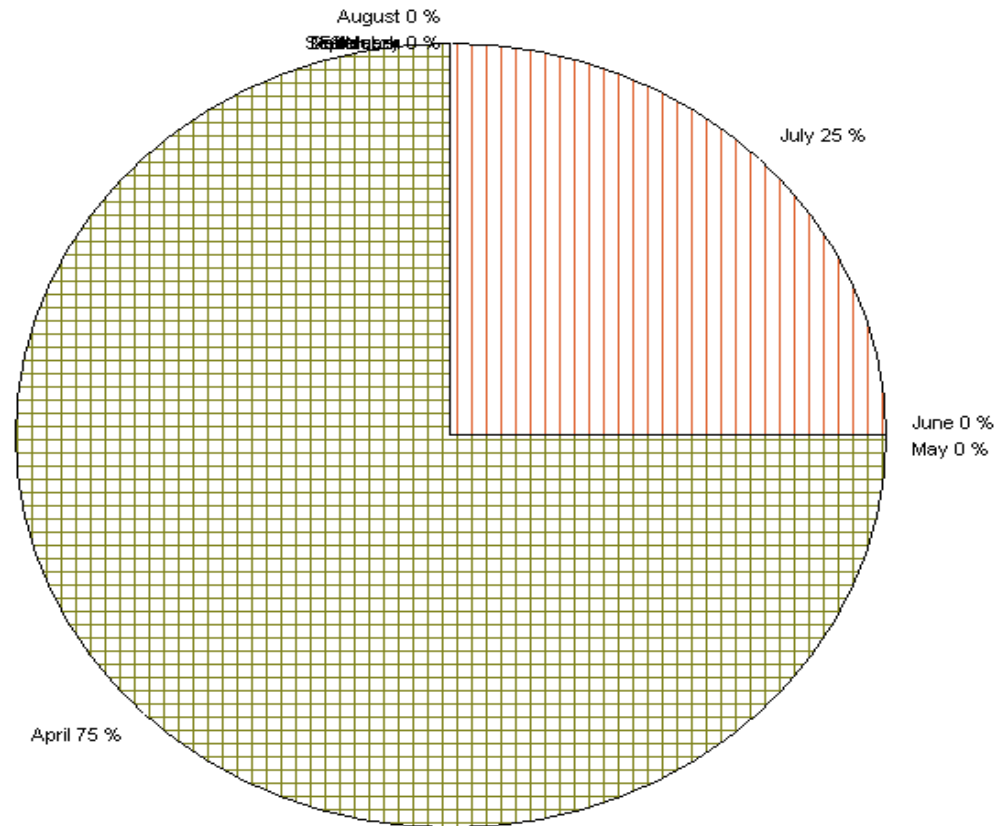
Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



Station Name : Nandipalli (APC00G7)
Local River : Sagileru

Monthly Runoff for the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



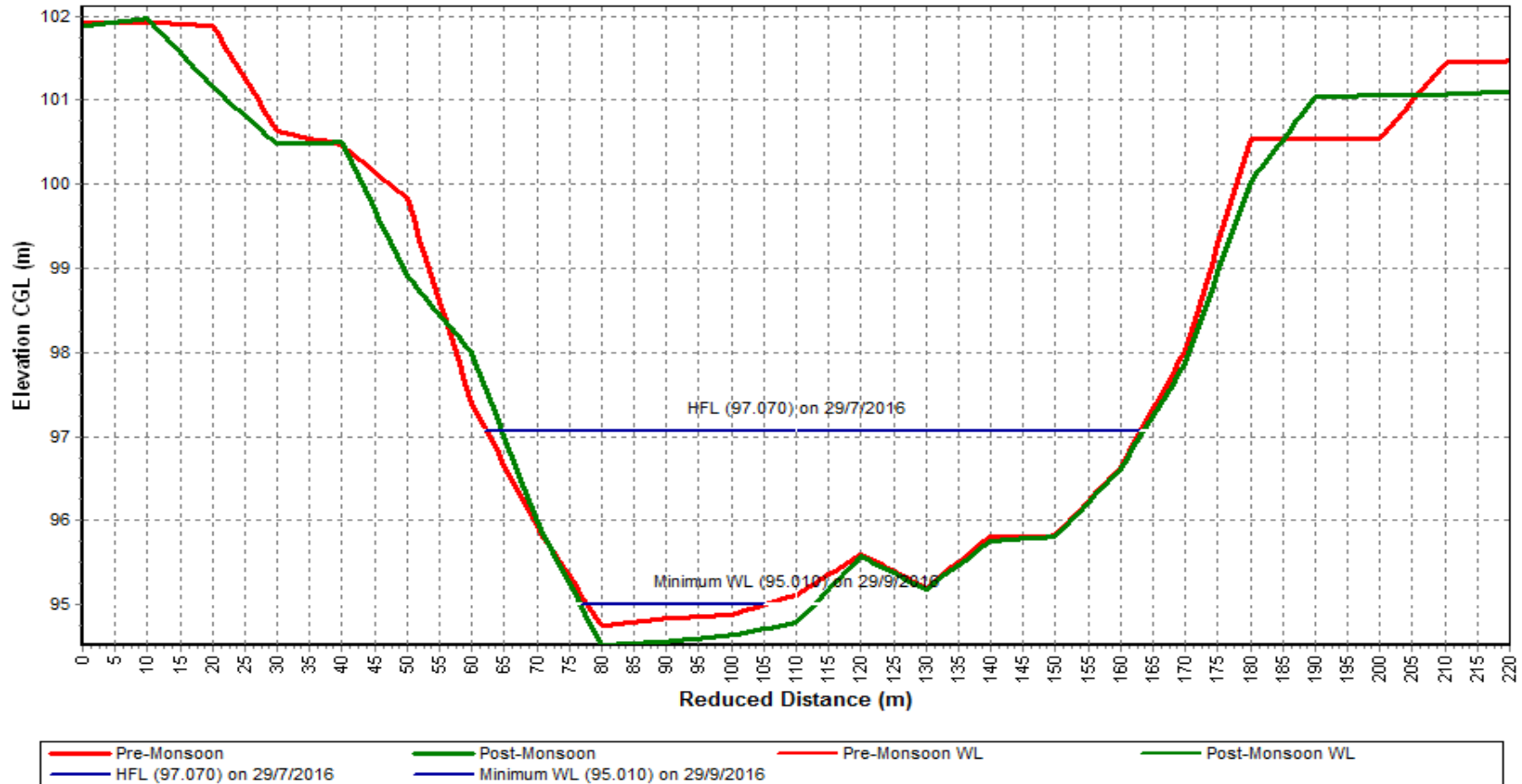
June	0 %
July	25 %
August	0 %
September	0 %
October	0 %
November	0 %
December	0 %
January	0 %
February	0 %
March	0 %
April	75 %
May	0 %

Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : Nandipalli (APC00G7)
Local River : Sagileru

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

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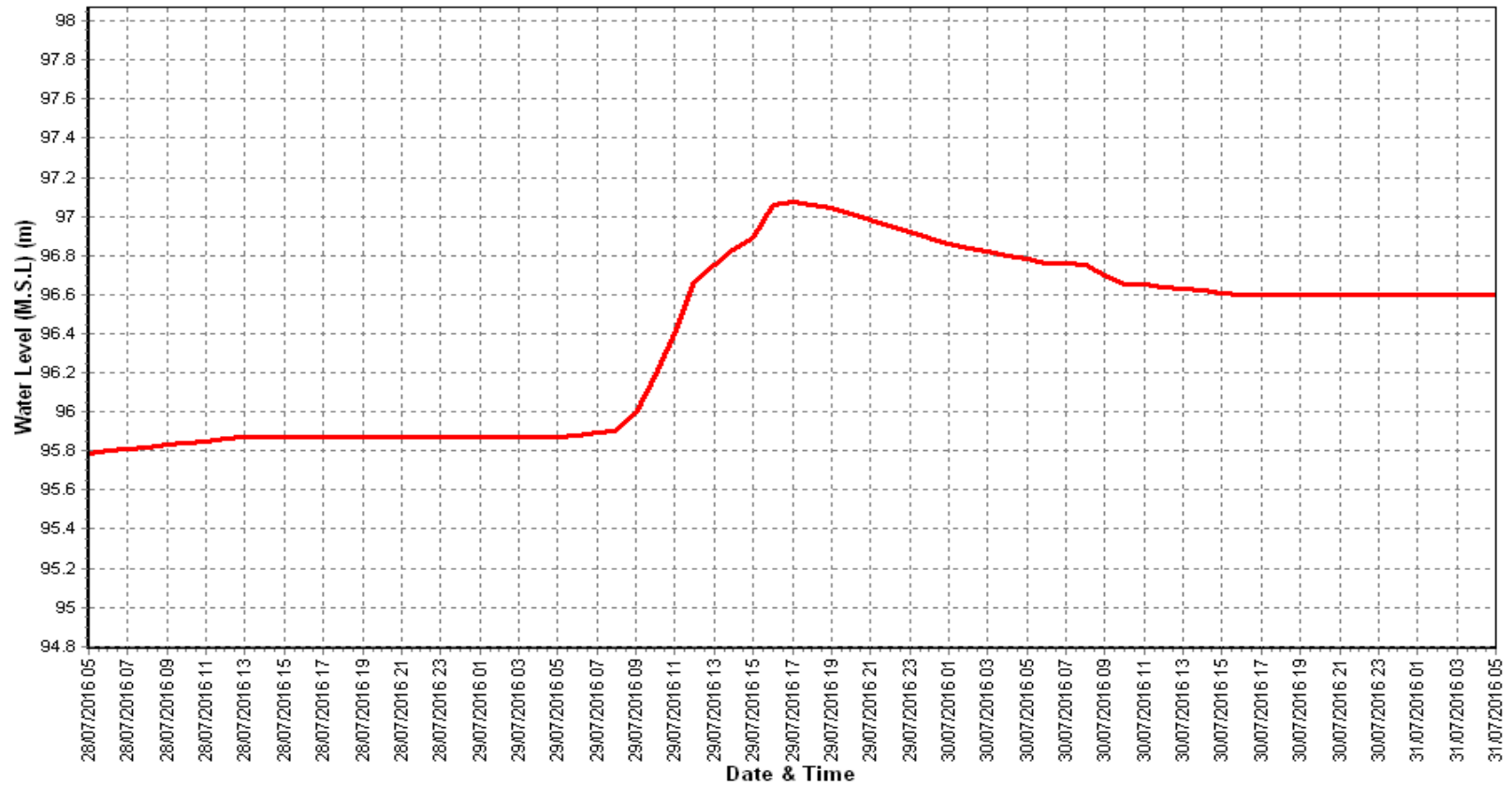
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2016-2017

Station Name : Nandipalli (APC00G7)

Local River : Sagileru

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa



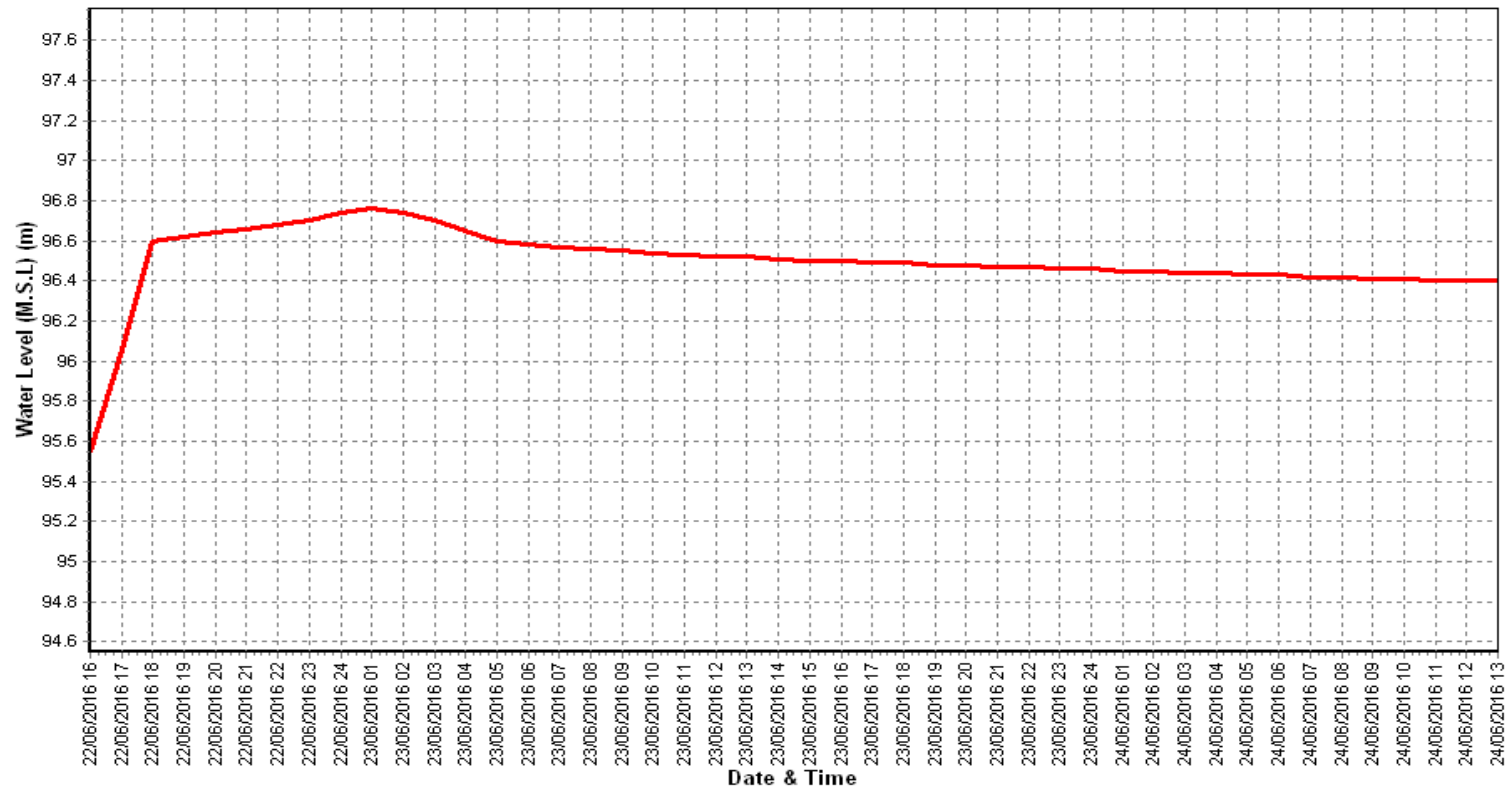
Time Span: 72 Hrs

Station Name : Nandipalli (APC00G7)
Local River : Sagileru

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

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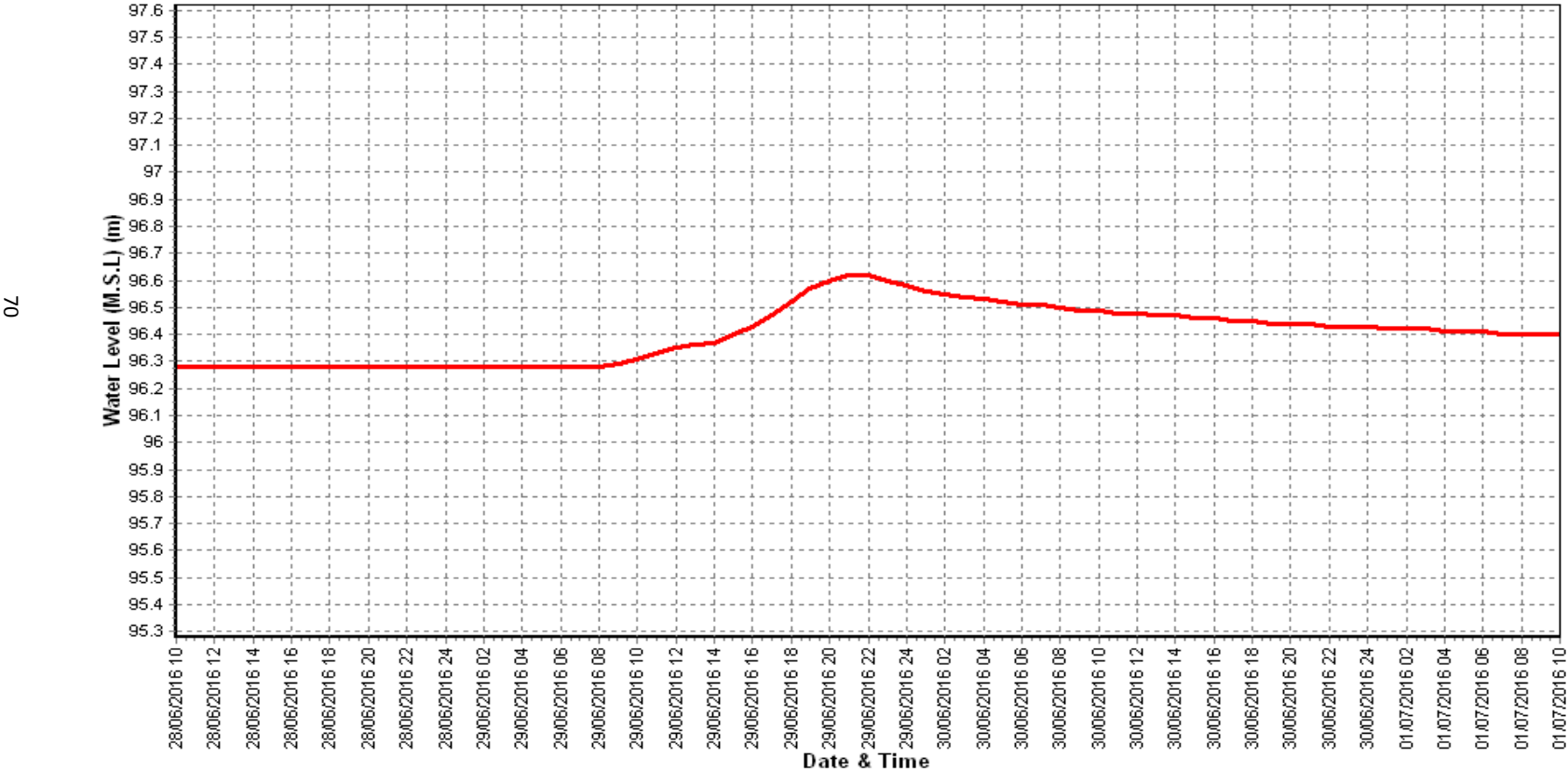


Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2016-2017

Station Name : Nandipalli (APC00G7)
Local River : Sagileru

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2016-2017

Site : Chennur

Code : AP000I1

State : Andhra Pradesh

District : Kadapa

Basin : Pennar

Independent River : Pennar

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : Pennar SD, Kadapa

Drainage Area : 37981 Sq. Km.

Bank : Right

Latitude : 14°34'20"

Longitude : 78°48'00"

Zero of Gauge (m) : 111.000 (m.s.l)
115.805 (m.s.l)13/07/1989 - 31/05/1992
01/06/1992

Opening Date

Closing Date

Gauge : 13/07/1989

Discharge : 13/07/1989

Sediment : 08/08/1989

Water Quality : 01/09/1989

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1990-1991	1681	115.988	04/10/1990	0.000	112.530	03/08/1990
1991-1992	1296	115.193	01/11/1991	0.000	112.801	03/06/1991
1992-1993	226.7	118.714	15/07/1992	0.000	117.349	11/06/1992
1993-1994	892.5	119.468	26/07/1993	0.000	Dry Bed	20/06/1993
1994-1995	2237	120.540	08/10/1994	0.000	Dry Bed	01/06/1994
1995-1996	848.1	119.385	29/07/1995	0.000	Dry Bed	01/06/1995
1996-1997	4175	121.955	21/10/1996	0.000	Dry Bed	01/06/1996
1997-1998	1359	120.025	02/10/1997	0.000	Dry Bed	10/07/1997
1998-1999	2230	120.585	15/10/1998	0.000	Dry Bed	14/07/1998
1999-2000	398.7	118.860	27/08/1999	0.000	Dry Bed	26/07/1999
2000-2001	6718	123.375	24/08/2000	0.000	Dry Bed	20/03/2001
2001-2002	5196	122.345	18/10/2001	0.000	Dry Bed	01/06/2001
2002-2003	882.2	119.290	16/10/2002	0.000	Dry Bed	01/06/2002
2003-2004	1419	119.855	23/10/2003	0.000	Dry Bed	01/06/2003
2004-2005	780.2	119.210	07/10/2004	0.000	117.215	20/02/2005
2005-2006	1679	120.245	29/10/2005	0.000	Dry Bed	01/06/2005
2006-2007	1486	119.755	17/09/2006	0.000	117.105	11/07/2006
2007-2008	3954	121.445	24/06/2007	0.000	117.095	04/06/2007

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2008-2009	833.6	118.805	09/09/2008	0.000	116.855	23/06/2008
2009-2010	4330	121.055	06/10/2009	0.000	116.875	09/07/2009
2010-2011	915.7	118.805	27/08/2010	1.362	116.925	06/07/2010
2011-2012	1128	119.105	22/08/2011	0.000	116.625	28/03/2012
2012-2013	494.8	118.415	05/09/2012	0.000	116.765	03/06/2012
2013-2014	1136	119.105	25/10/2013	0.000	116.655	01/06/2013
2014-2015	956.9	118.815	19/09/2014	0.000	116.235	03/07/2014
2015-2016	487.8	118.085	27/09/2015	0.000	116.205	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : Chennur (AP000I1)

Division : Hydrology Division, Chennai

Local River : Pennar

Sub-Division : PSD, Kadapa

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000	116.475	5.275	116.765	42.53	118.955	1060	117.935	600.2	117.195	110.7
2		0.000	116.490	5.708	116.705	37.62	118.305	589.6	117.735	373.0 *	117.235	117.7
3		0.000	116.505	6.161 *	116.695	37.16	117.505	169.5	117.605	242.5	117.275	126.9
4		0.000	116.465	5.477	116.695	36.64	117.105	109.3 *	117.585	241.5	117.285	128.0
5		0.000	116.410	4.435	116.695	36.90	116.855	51.49 *	117.505	203.8	117.265	122.4
6		0.000	116.370	3.306	116.625	17.42	116.705	30.52	117.375	157.3	117.245	125.6 *
7		0.000	116.305	2.031 *	116.585	14.29 *	116.855	48.38	117.375	150.6	117.215	113.1
8		0.000	116.210	0.000	116.555	14.15	116.715	31.11	117.375	151.4	117.225	116.0
9		0.000	116.160	0.000	116.525	13.09	116.755	33.75	117.375	177.6 *	117.205	115.4
10		0.000	116.105	0.000	116.375	5.671	116.805	35.41	117.505	203.3	117.225	115.9
11		0.000	116.015	0.000	116.675	20.19 #	117.205	137.6 *	117.405	191.0 *	117.235	118.7
12		0.000	115.915	0.000	116.680	20.55 #	117.195	134.6 #	117.465	219.3 *	117.155	104.6
13		0.000	115.855	0.000	116.700	20.04 #	117.845	380.8 *	117.435	176.5	117.185	104.8 *
14	116.255	1.224		0.000	117.105	66.39 *	117.955	500.4	117.305	146.2	117.195	108.2 *
15	116.255	1.247		0.000	117.075	62.12 *	118.495	646.3	117.305	153.0	117.225	118.5
16	116.245	1.193		0.000	117.095	63.55	118.535	744.1	117.205	111.5 *	117.240	119.8
17	116.145	0.000		0.000	117.115	66.03	118.455	703.3	117.205	110.0	117.255	121.8
18	116.055	0.000		0.000	116.805	30.89 #	118.185	551.1 *	117.155	102.8	117.345	158.0
19	116.005	0.000		0.000	116.515	9.440	117.845	417.2	117.235	115.6	117.340	152.4
20	115.905	0.000		0.000	116.455	7.788 #	117.605	241.9	117.175	106.4	117.295	144.5 *
21	115.905	0.000		0.000	116.425	6.606 *	117.900	501.6	117.175	107.1	117.295	140.5
22	115.855	0.000		0.000	116.425	4.644	118.265	714.2	117.175	107.6	117.285	138.8
23	116.025	0.000	115.955	0.000	116.605	16.22	118.065	653.4	117.175	101.6 *	117.265	127.3
24	116.025	0.000	115.935	0.000	116.585	15.90	118.265	716.9	117.155	104.1	117.225	121.1
25	116.025	0.000	115.900	0.000	116.705	22.42 *	118.105	655.9 *	117.175	107.4	117.155	106.5
26	116.275	1.494	115.895	0.000	116.710	22.18 #	117.990	624.3	117.205	112.4	117.145	102.2
27	116.485	5.493	115.890	0.000	116.545	10.48	117.785	504.4	117.205	112.0	117.105	80.23 *
28	116.505	5.496	116.400	4.895	116.445	7.381 *	117.845	507.9	117.205	112.7	117.055	85.77
29	116.505	5.940	116.855	47.20	116.390	5.889	117.930	594.0	117.205	111.5 *	117.015	56.72 #
30	116.520	6.121	117.885	421.8	116.450	7.303	117.725	465.8	117.205	111.5 *	117.005	54.37 #
31			116.980	85.51 *	118.205	537.4			117.205	112.1		
Ten-Daily Mean												
I Ten-Daily		0.000	116.350	3.239	116.622	25.55	117.256	215.9	117.537	250.1	117.237	119.2
II Ten-Daily	116.124	0.366	115.928	0.000	116.822	36.70	117.932	445.7	117.289	143.2	117.247	125.1
III Ten-Daily	116.213	2.454	116.411	50.86	116.681	59.68	117.988	593.8	117.190	109.1	117.155	101.3
Monthly												
Min.	115.855	0.000	115.855	0.000	116.375	4.644	116.705	30.52	117.155	101.6	117.005	54.37
Max.	116.520	6.121	117.885	421.8	118.205	537.4	118.955	1060	117.935	600.2	117.345	158.0
Mean	116.176	0.94	116.317	19.09	116.707	41.26	117.725	418.5	117.334	165.6	117.213	115.2

Annual Runoff in MCM = 2391 Annual Runoff in mm = 63

Peak Observed Discharge = 1060 cumecs on 01/09/2016 Corres. Water Level :118.955 m

Lowest Observed Discharge = 0.000 cumecs on 01/06/2016

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m *:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2016 - 2017

Station Name : Chennur (AP000I1)

Division : Hydrology Division, Chennai

Local River : Pennar

Sub-Division : PSD, Kadapa

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	116.995	75.41	117.000	79.82 *	116.465	8.157	115.975	0.000		0.000	116.285	4.141
2	117.005	78.42	116.945	74.56	116.445	7.588	115.955	0.000		0.000	116.305	5.568
3	117.075	88.77	116.905	63.09	116.305	3.708	115.915	0.000		0.000	116.325	5.658
4	117.115	103.7 *	116.905	61.88	116.205	2.023		0.000		0.000	116.285	4.142
5	117.165	111.2	116.945	72.51	116.175	1.738 *		0.000		0.000	116.225	2.658 #
6	117.135	107.3	116.935	70.88	116.175	1.785		0.000		0.000	116.175	1.612
7	117.105	103.9	116.915	64.79	116.165	1.692		0.000		0.000	116.175	1.738 *
8	117.035	82.36	116.905	62.33 *	116.155	1.273		0.000		0.000	116.115	0.913
9	117.025	80.41	116.895	62.58	116.145	1.046		0.000		0.000	116.085	0.000
10	117.025	81.24	116.865	56.34	116.125	0.921		0.000		0.000	116.055	0.000
11	116.975	75.02 *	116.855	58.37	116.085	0.000		0.000		0.000	116.025	0.000
12	117.025	81.90	116.885	59.42	116.065	0.000		0.000		0.000	115.995	0.000
13	117.145	110.4 *	116.845	54.71	116.055	0.000		0.000		0.000		0.000
14	117.305	152.4	116.845	52.35 *	116.055	0.000		0.000		0.000		0.000
15	117.295	147.8	116.845	52.35 *	116.085	0.000		0.000		0.000		0.000
16	117.255	138.2	116.825	50.77	116.085	0.000		0.000		0.000		0.000
17	117.275	144.1	116.815	48.84	116.065	0.000		0.000	115.865	0.000		0.000
18	117.215	126.8 *	116.805	48.93	116.055	0.000		0.000	116.015	0.000		0.000
19	117.135	104.8	116.785	45.25	116.055	0.000		0.000	116.055	0.000		0.000
20	117.075	94.33	116.705	31.01	116.035	0.000	116.015	0.000	116.255	4.002		0.000
21	117.075	94.85	116.655	21.11	116.035	0.000	116.235	3.468	116.285	3.764		0.000
22	117.105	103.9	116.705	32.27 *	116.025	0.000	116.245	3.561	116.185	1.909 #		0.000
23	117.105	104.1	116.755	32.98	116.025	0.000	116.115	0.927	116.185	1.909 *		0.000
24	117.105	102.9	116.665	21.44	116.015	0.000	116.005	0.000	116.205	2.270 #		0.000
25	117.105	101.5 *	116.565	16.81	115.995	0.000	115.985	0.000	116.225	2.658 #		0.000
26	117.055	92.39	116.545	14.99 *	115.995	0.000	115.985	0.000	116.255	4.071		0.000
27	117.085	96.33	116.525	15.47	115.995	0.000	115.945	0.000	116.305	4.491		0.000
28	117.055	93.55	116.525	14.81	115.990	0.000	115.885	0.000	116.325	4.847		0.000
29	117.055	92.74	116.525	13.27 *			115.845	0.000	116.310	4.715		0.000
30	117.055	94.51	116.455	8.701				0.000	116.285	3.962 *	116.175	1.678
31	117.055	92.33	116.385	5.737				0.000			116.225	1.969
Ten-Daily Mean												
I Ten-Daily	117.068	91.26	116.921	66.88	116.236	2.993	115.948	0.000		0.000	116.203	2.643
II Ten-Daily	117.170	117.6	116.821	50.20	116.064	0.000	116.015	0.000	116.048	0.400	116.010	0.000
III Ten-Daily	117.078	97.19	116.573	17.96	116.009	0.000	116.027	0.723	116.257	3.460	116.200	0.332
Monthly												
Min.	116.975	75.02	116.385	5.737	115.990	0.000	115.845	0.000	115.865	0.000	115.995	0.000
Max.	117.305	152.4	117.000	79.82	116.465	8.157	116.245	3.561	116.325	4.847	116.325	5.658
Mean	117.104	101.9	116.765	44.14	116.110	1.069	116.008	0.257	116.197	1.287	116.175	0.97

Peak Computed Discharge = 655.9 cumecs on 25/09/2016

Corres. Water Level :118.105 m

Lowest Computed Discharge = 1.738 cumecs on 05/02/2017

Corres. Water Level :116.175 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m *:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017

Station Name : Chennur (AP000I1)

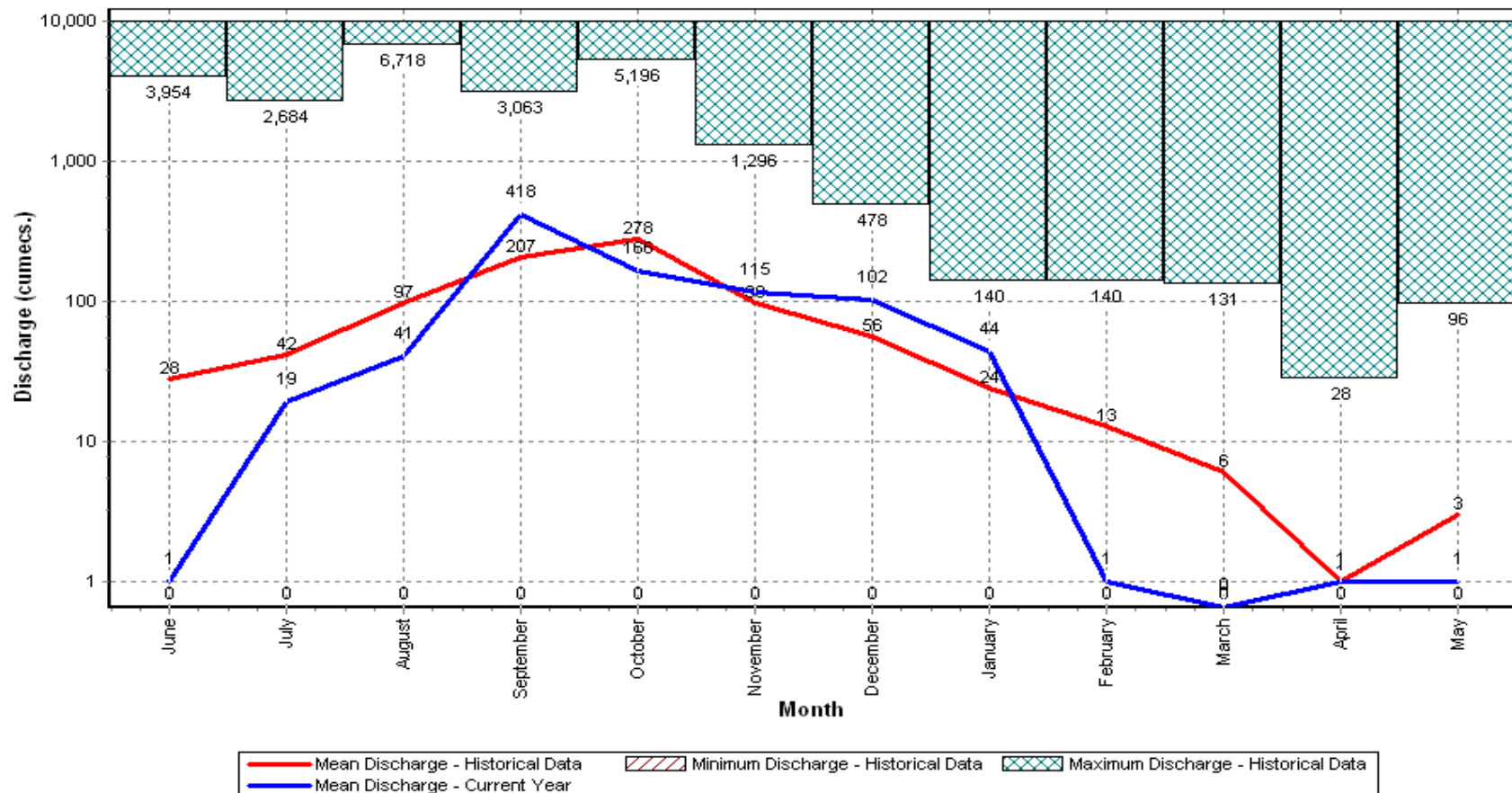
Data considered : 1990-2017

Division : Hydrology Division, Chennai

Local River : Pennar

Sub-Division : PSD, Kadapa

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Annual Runoff Values for the period: 1990 - 2017

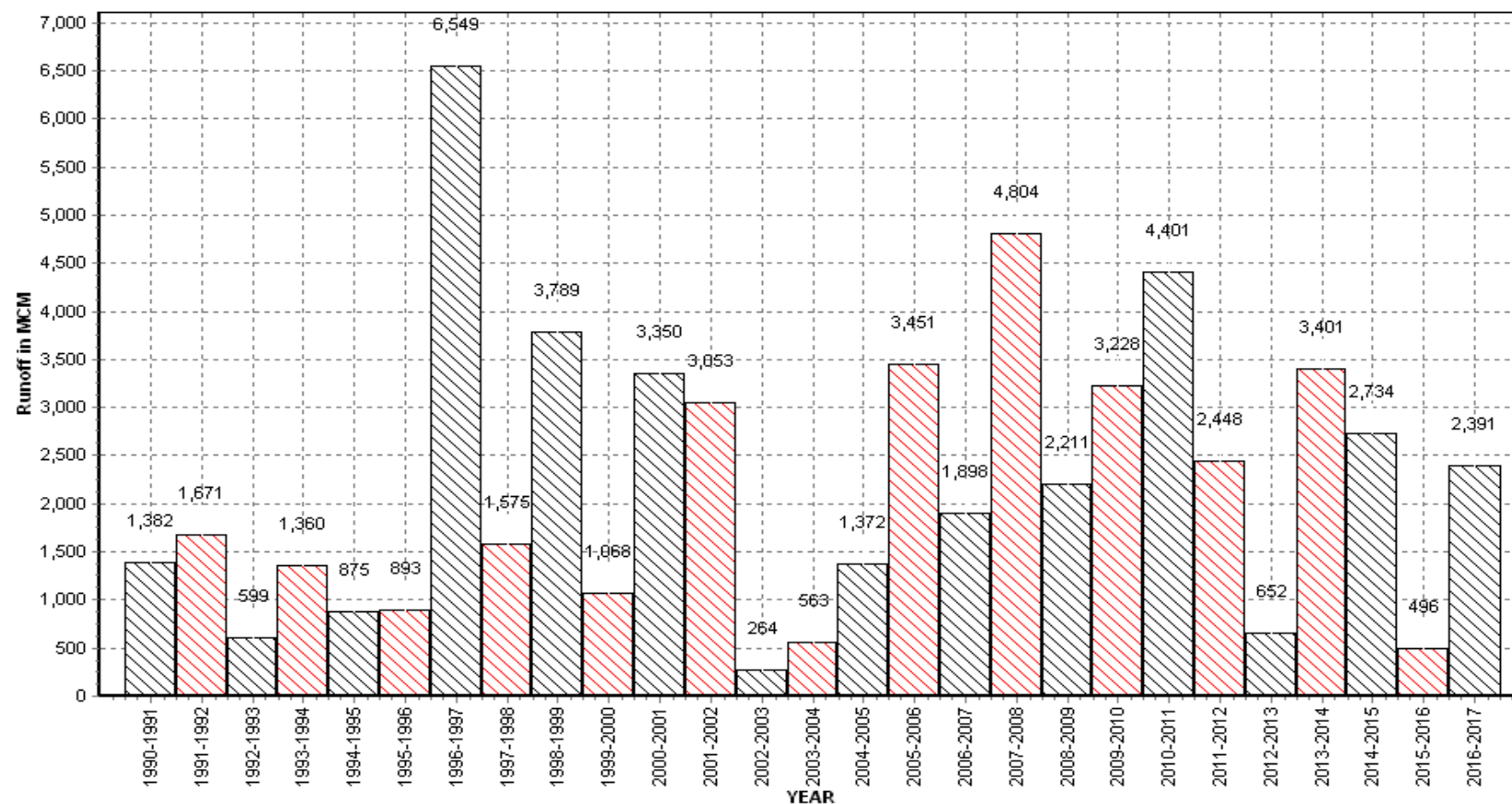
Station Name : Chennur (AP000I1)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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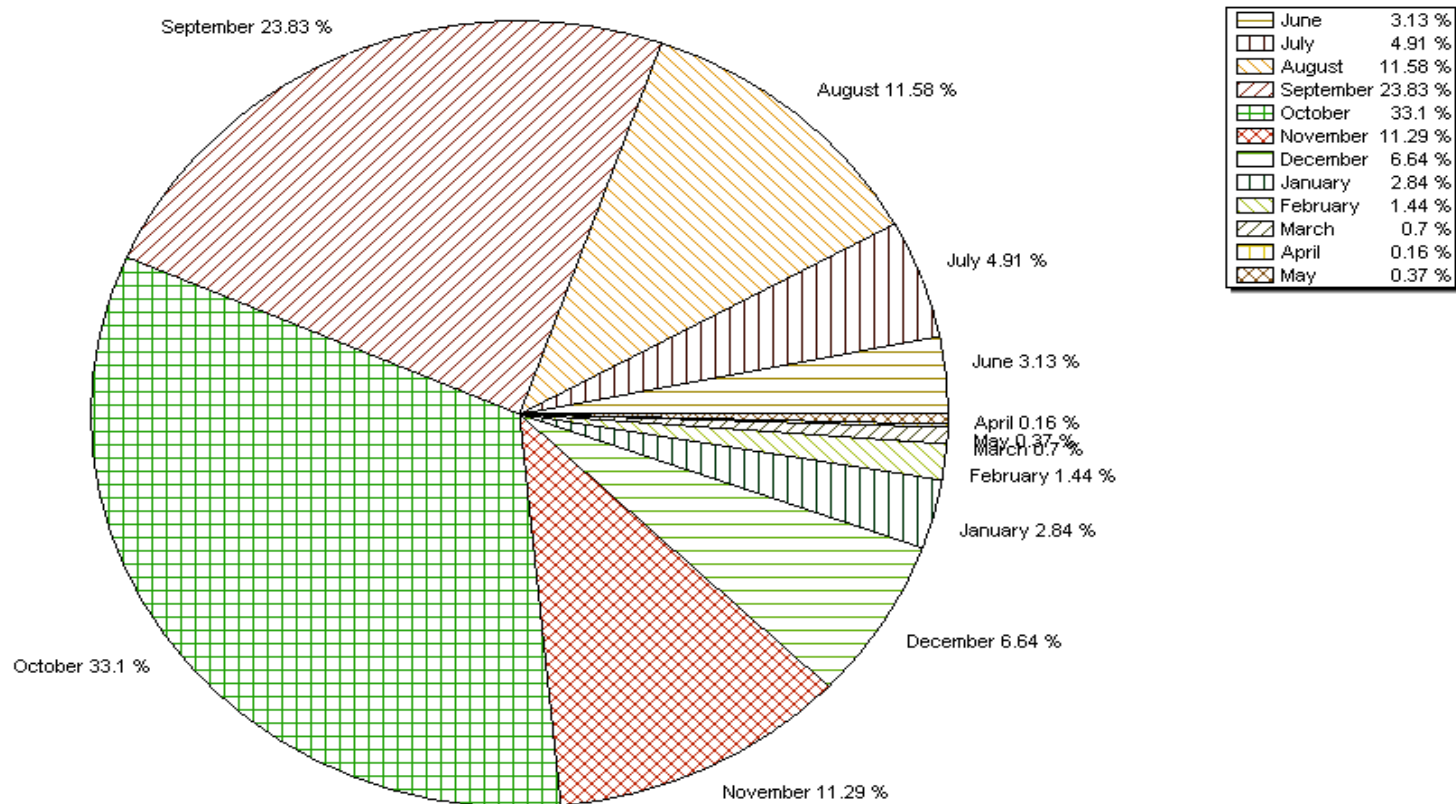


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Chennur (AP000I1)
Local River : Pennar

Monthly Average Runoff based on period : 1990-2016

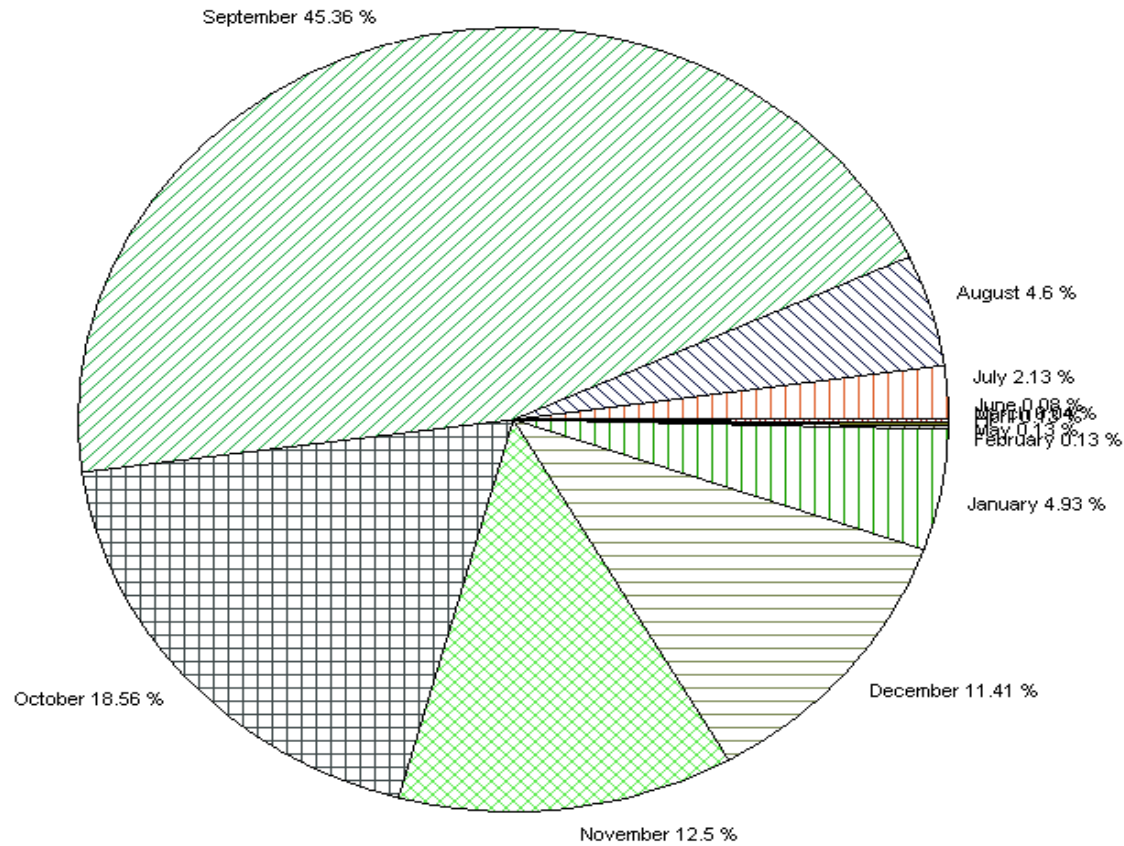
Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



Station Name : Chennur (AP00011)
Local River : Pennar

Monthly Runoff for the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



June	0.08 %
July	2.13 %
August	4.6 %
September	45.36 %
October	18.56 %
November	12.5 %
December	11.41 %
January	4.93 %
February	0.13 %
March	0.04 %
April	0.13 %
May	0.13 %

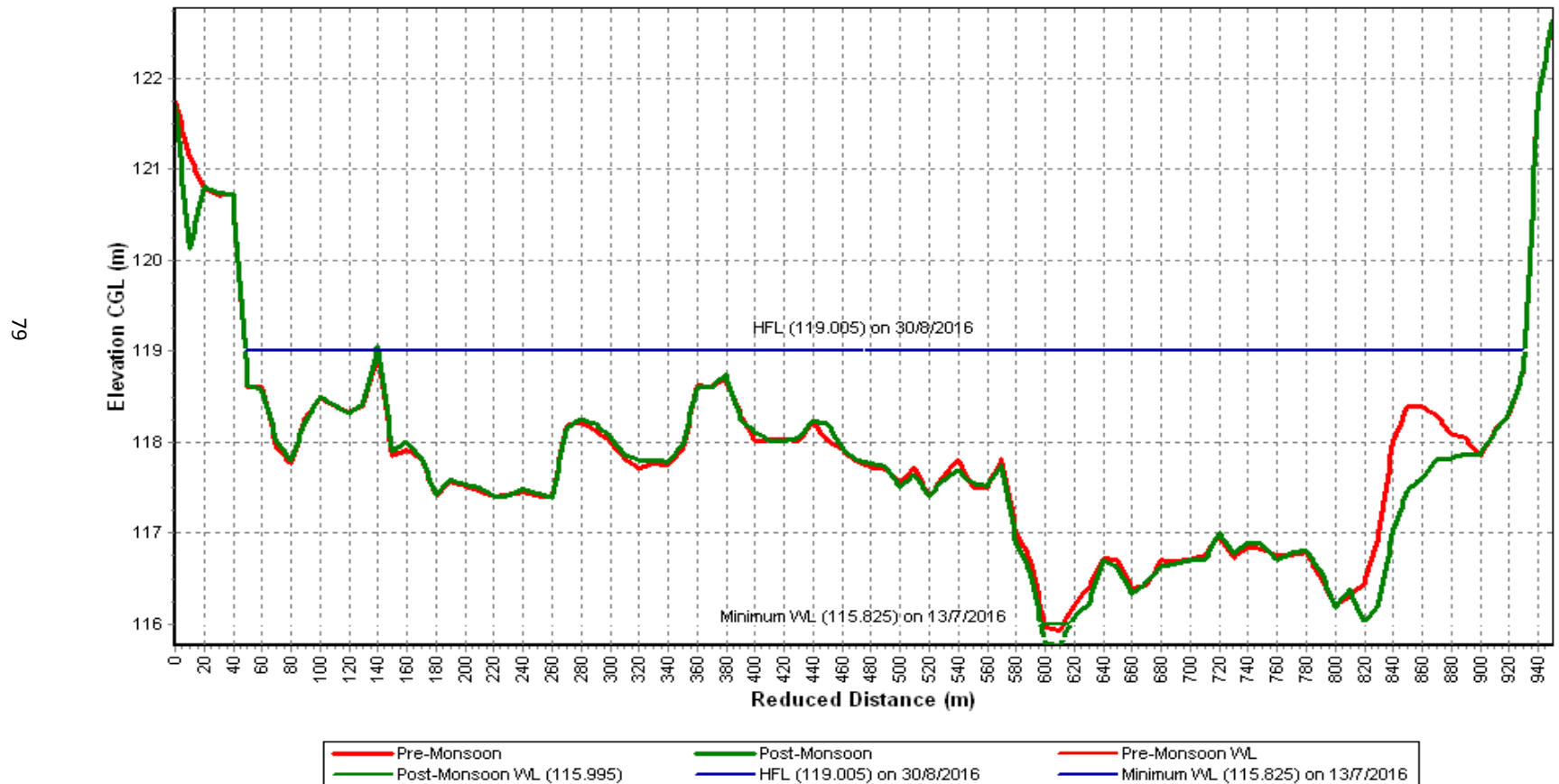
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : Chennur (AP00011)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa



Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2016-2017

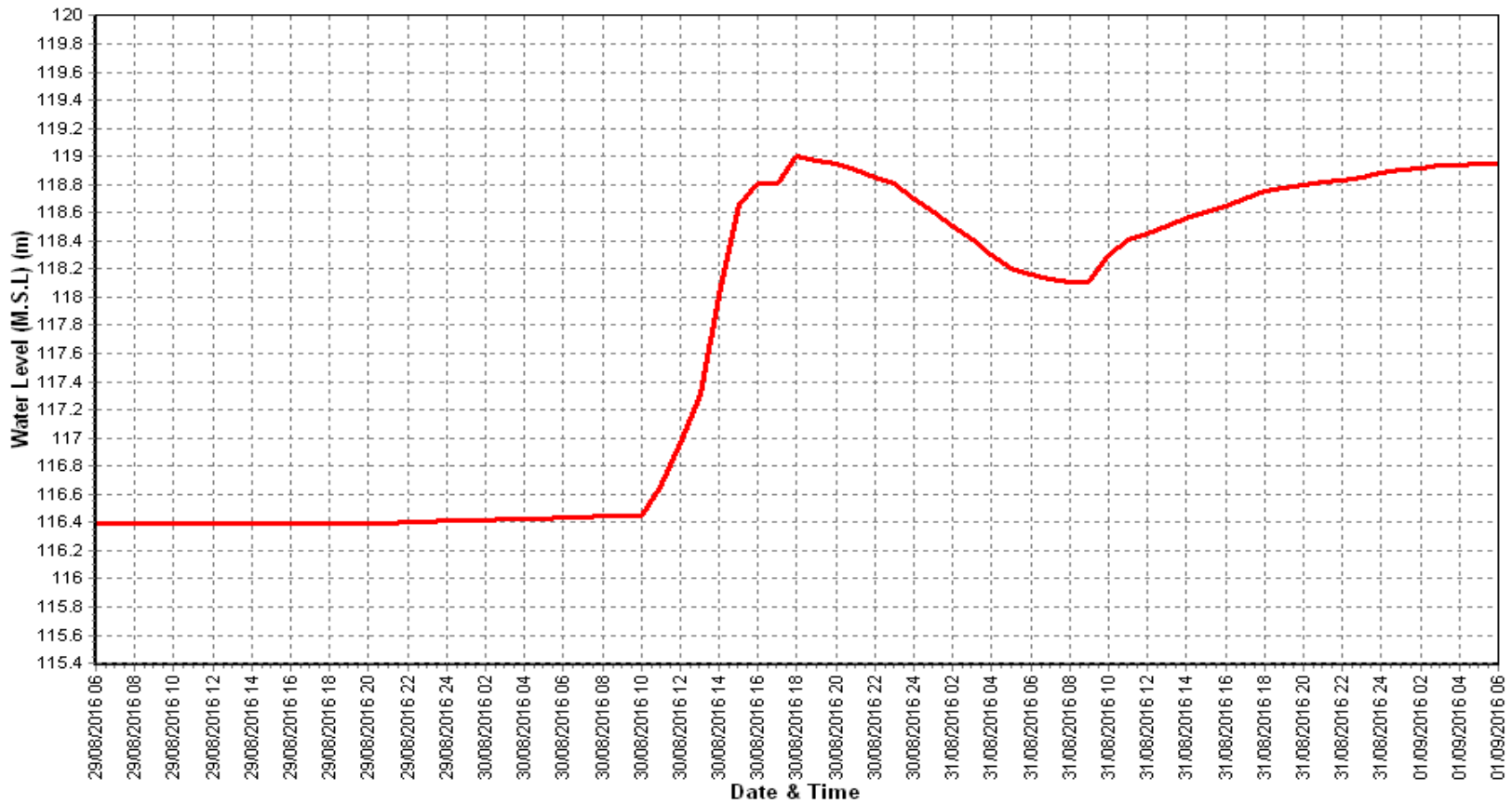
Station Name : Chennur (AP000I1)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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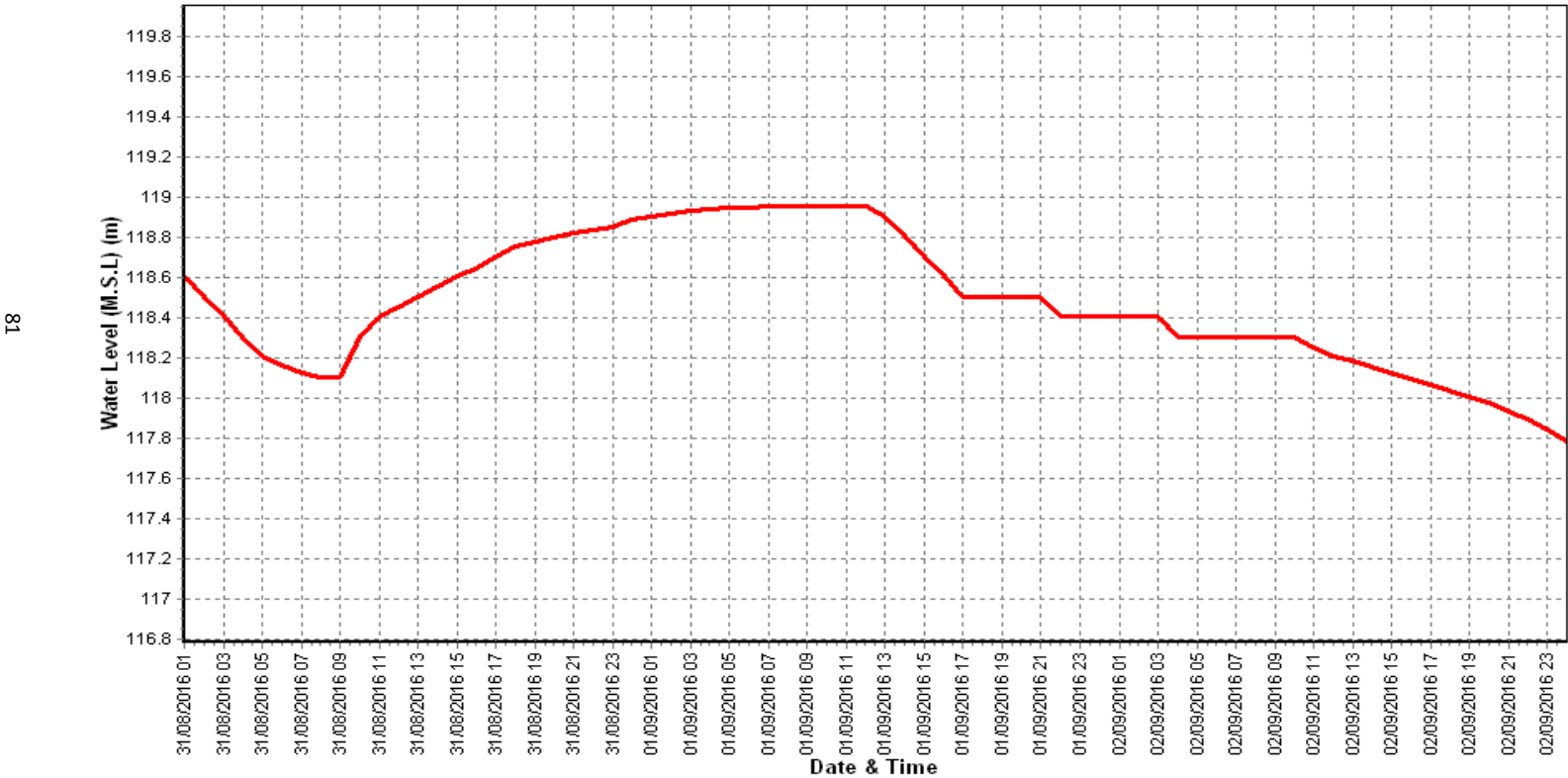


Time Span: 72 Hrs

Station Name : Chennur (AP000I1)
Local River : Pennar

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

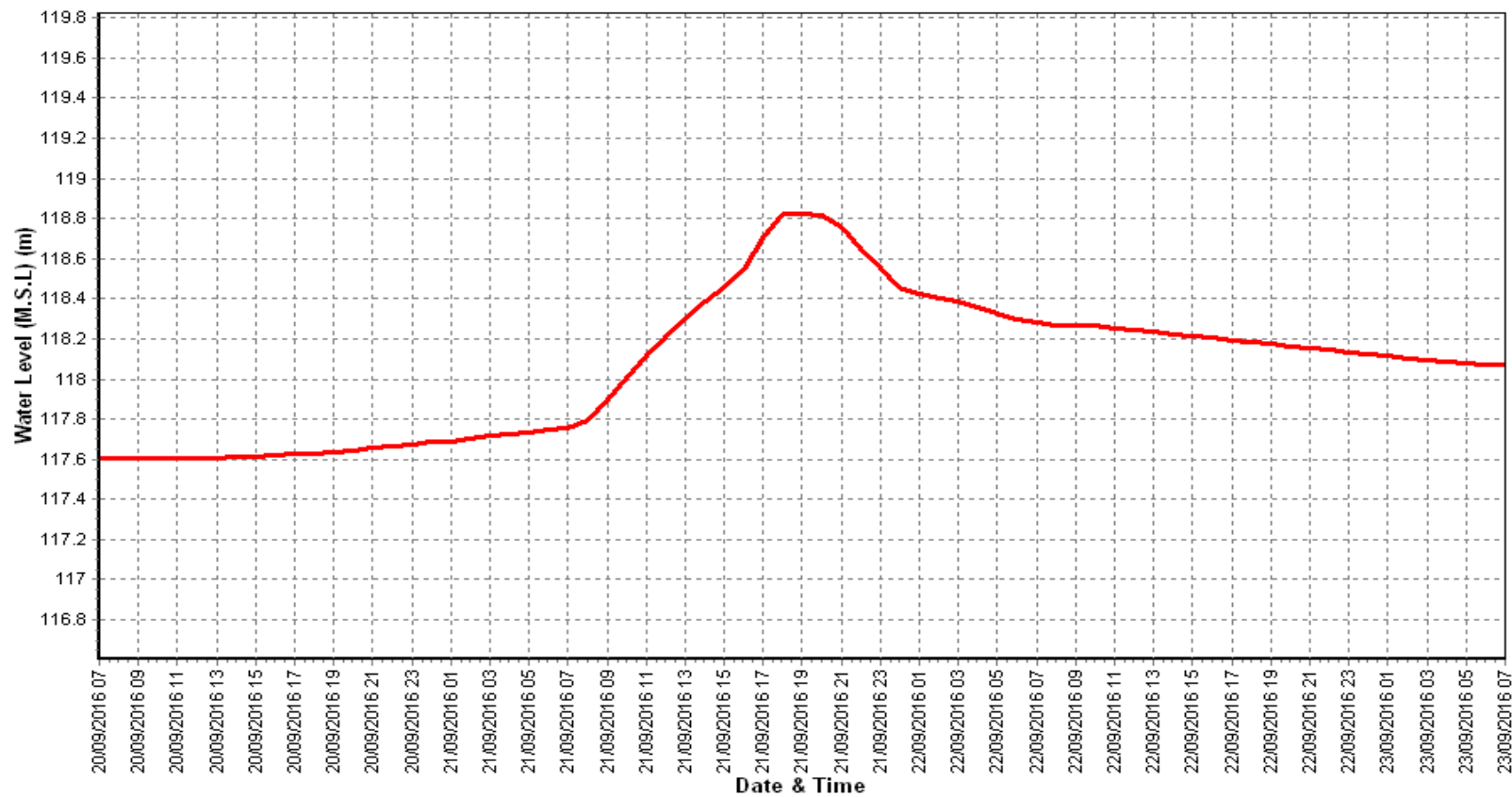


Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2016-2017

Station Name : Chennur (AP000I1)
Local River : Pennar

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



HISTORY SHEET

Water Year : 2016-2017

Site : Kamalapuram

Code : APE00C5

State : Andhra Pradesh

District : Kadapa

Basin : Pennar

Independent River : Pennar

Tributary : Papagni

Sub Tributary :

Sub-Sub Tributary :

Local River : Papagni

Division : Hydrology Division, Chennai

Sub-Division : Pennar SD, Kadapa

Drainage Area : 7187 Sq. Km.

Bank : Left

Latitude : 14°35'30"

Longitude : 78°41'00"

Zero of Gauge (m) : 135.650 (m.s.l)
132.650 (m.s.l)06/11/1989 - 31/05/2008
01/06/2008

Opening Date

Closing Date

Gauge : 06/11/1989

Discharge : 16/06/1990

Sediment :

Water Quality : 01/06/1994

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1991-1992	1066	138.161	17/11/1991	0.000	Dry Bed	01/06/1991
1992-1993	32.54	136.719	22/11/1992	0.000	Dry Bed	01/06/1992
1993-1994	121.3	136.907	06/12/1993	0.000	Dry Bed	01/06/1993
1994-1995	79.16	136.983	05/10/1994	0.000	Dry Bed	01/06/1994
1995-1996	138.0	137.250	18/08/1995	0.000	Dry Bed	01/06/1995
1996-1997	1089	139.200	20/10/1996	0.000	Dry Bed	01/06/1996
1997-1998	302.0	137.480	02/10/1997	0.000	Dry Bed	01/06/1997
1998-1999	156.5	137.230	15/10/1998	0.000	Dry Bed	01/06/1998
1999-2000	0.000	Dry Bed	01/06/1999	0.000	Dry Bed	01/06/1999
2000-2001	46.30	136.920	18/09/2000	0.000	Dry Bed	01/06/2000
2001-2002	980.4	138.200	17/10/2001	0.000	Dry Bed	01/06/2001
2002-2003	50.96	136.852	12/06/2002	0.000	Dry Bed	01/06/2002
2003-2004	397.7	137.200	22/10/2003	0.000	Dry Bed	01/06/2003
2004-2005	3.000	136.590	07/09/2004	0.000	Dry Bed	01/06/2004
2005-2006	175.2	136.800	03/11/2005	0.000	Dry Bed	01/06/2005
2006-2007	0.000	Dry Bed	01/06/2006	0.000	Dry Bed	01/06/2006
2007-2008	123.6	136.700	19/09/2007	0.000	Dry Bed	01/06/2007
2008-2009	39.67	135.620	09/09/2008	0.000	Dry Bed	01/06/2008

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2009-2010	9.824	136.260	29/09/2009	0.000	Dry Bed	01/06/2009
2010-2011	98.48	135.250	18/11/2010	0.000	Dry Bed	01/06/2010
2011-2012	116.1	135.700	23/08/2011	0.000	Dry Bed	01/06/2011
2012-2013	0.000	Dry Bed	01/06/2012	0.000	Dry Bed	01/06/2012
2013-2014	201.8	135.545	24/10/2013	0.000	Dry Bed	01/06/2013
2014-2015	0.000	Dry Bed	01/06/2014	0.000	Dry Bed	01/06/2014
2015-2016	60.32	135.400	21/11/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : Kamalapuram (APE00C5)

Division : Hydrology Division, Chennai

Local River : Papagni

Sub-Division : PSD, Kadapa

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000	134.500	1.007 #	134.775	8.699		0.000		0.000
2		0.000		0.000		0.000	134.690	6.879		0.000		0.000
3		0.000		0.000		0.000	134.500	0.967		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000		0.000		0.000		0.000		0.000		0.000
12		0.000		0.000		0.000		0.000		0.000		0.000
13		0.000		0.000		0.000		0.000		0.000		0.000
14		0.000		0.000		0.000		0.000		0.000		0.000
15		0.000		0.000		0.000		0.000		0.000		0.000
16		0.000		0.000		0.000		0.000		0.000		0.000
17		0.000		0.000		0.000		0.000		0.000		0.000
18		0.000		0.000		0.000		0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000	134.920	14.97		0.000		0.000
22		0.000		0.000		0.000	134.500	1.008		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000		0.000		0.000		0.000		0.000
30		0.000	135.260	51.64		0.000		0.000		0.000		0.000
31			134.520	1.318 #		0.000				0.000		
Ten-Daily Mean												
I Ten-Daily		0.000		0.000	134.500	0.101	134.655	1.655		0.000		0.000
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily		0.000	134.890	4.814		0.000	134.710	1.597		0.000		0.000
Monthly												
Min.		0.000	134.520	0.000	134.500	0.000	134.500	0.000		0.000		0.000
Max.		0.000	135.260	51.64	134.500	1.007	134.920	14.97		0.000		0.000
Mean		0	134.890	1.708	134.500	0.032	134.677	1.084		0		0

Annual Runoff in MCM = 7 Annual Runoff in mm = 1

Peak Observed Discharge = 51.64 cumecs on 30/07/2016 Corres. Water Level :135.26 m

Lowest Observed Discharge = 0.000 cumecs on 01/06/2016

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2016 - 2017

Station Name : Kamalapuram (APE00C5)

Division : Hydrology Division, Chennai

Local River : Papagni

Sub-Division : PSD, Kadapa

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000								0.000		0.000
12		0.000								0.000		0.000
13		0.000								0.000		0.000
14		0.000								0.000		0.000
15		0.000		0.000		0.000		0.000		0.000		0.000
16		0.000		0.000		0.000		0.000		0.000		0.000
17		0.000		0.000		0.000		0.000		0.000		0.000
18		0.000		0.000		0.000		0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000		0.000		0.000		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000				0.000		0.000		0.000
30		0.000		0.000				0.000		0.000		0.000
31		0.000		0.000				0.000				0.000
DRY BED												
Ten-Daily Mean												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
Monthly												
Min.		0.000		0.000		0.000		0.000		0.000		0.000
Max.		0.000		0.000		0.000		0.000		0.000		0.000
Mean		0		0		0		0		0		0

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Discarded Discharge (values changed as per rating curve)

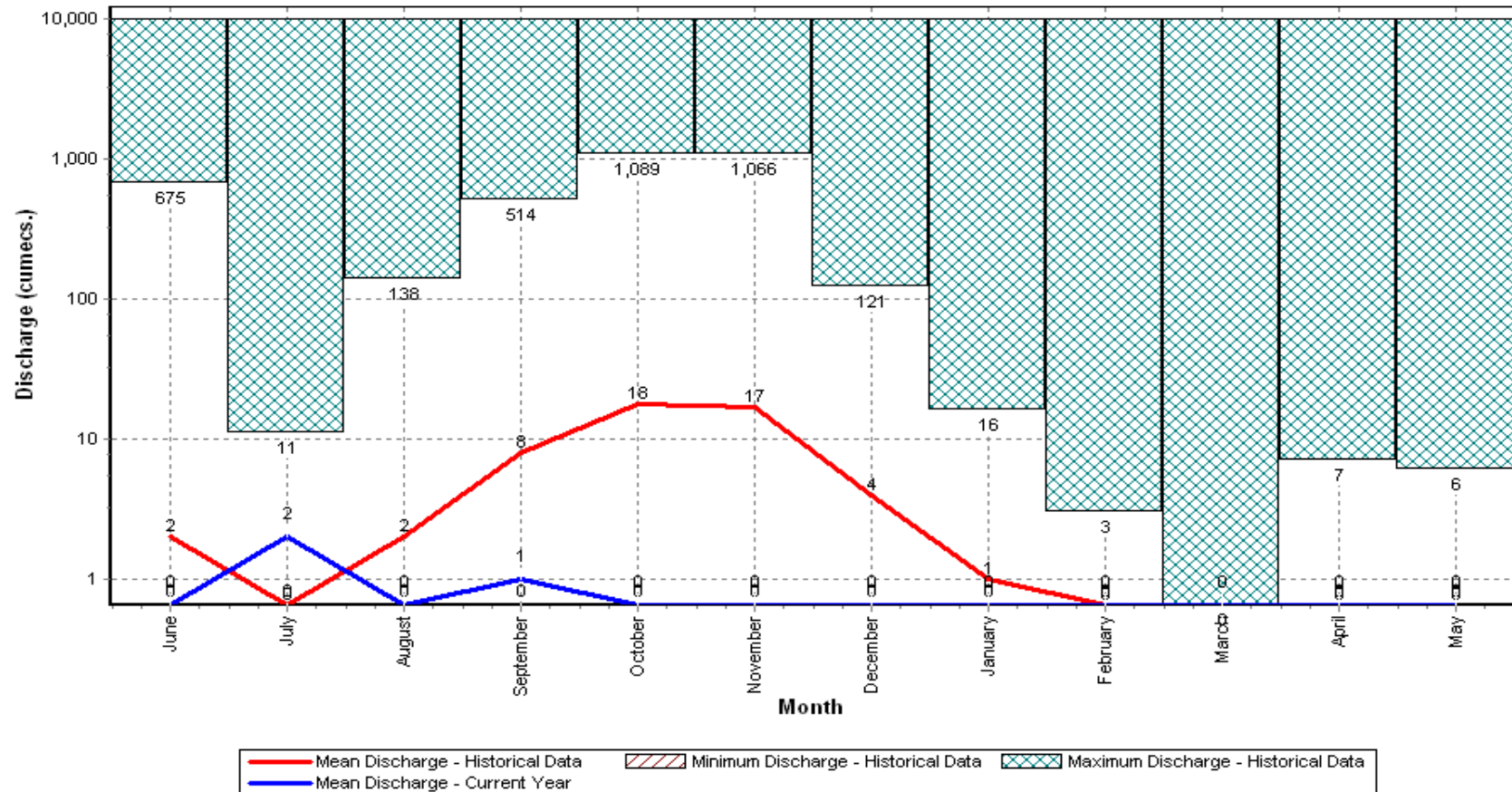
Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017

Station Name : Kamalapuram (APE00C5)
Local River : Papagni

Data considered : 1991-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



Annual Runoff Values for the period: 1991 - 2017

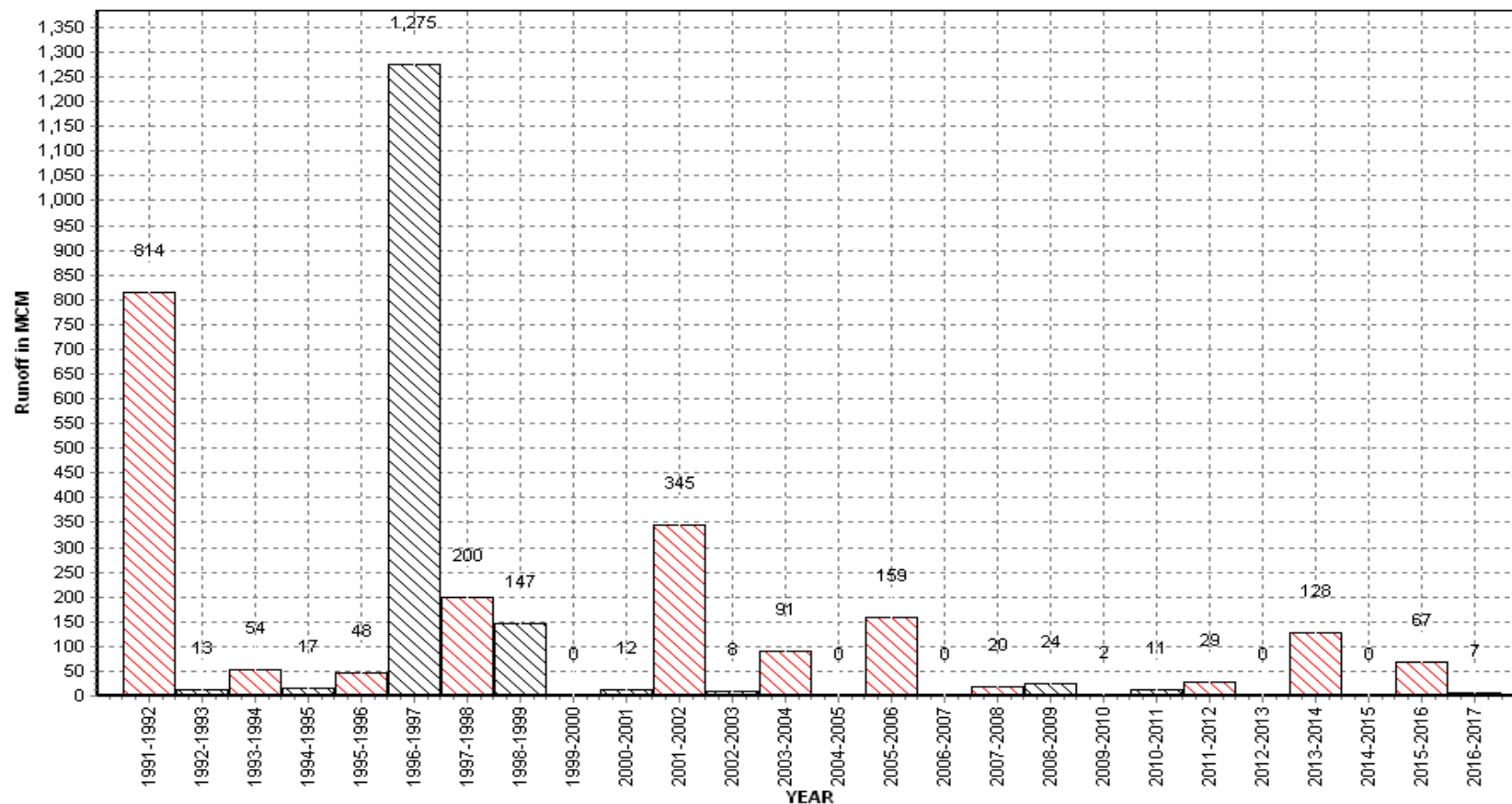
Station Name : Kamalapuram (APE00C5)

Local River : Papagni

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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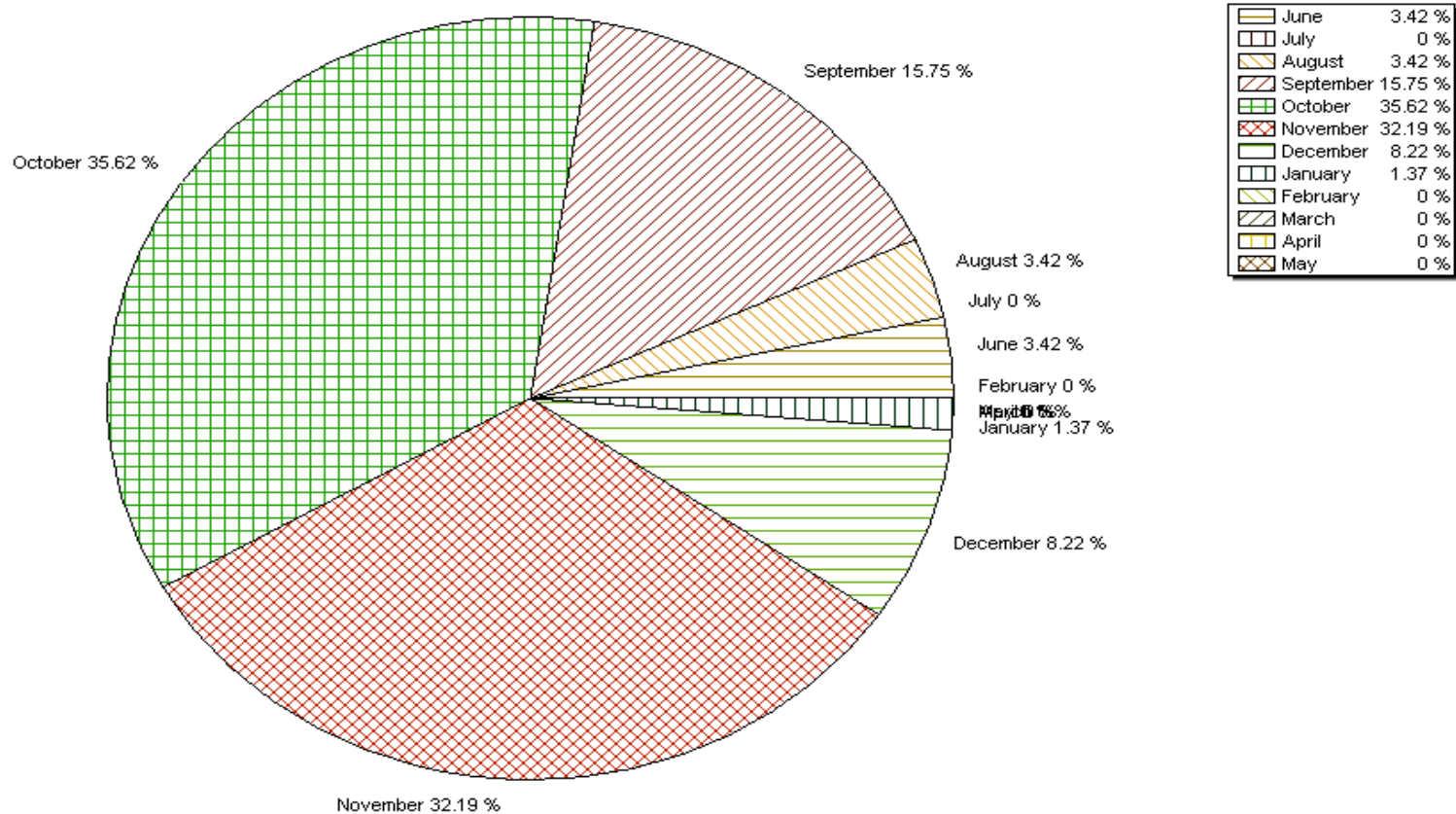


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Kamalapuram (APE00C5)
Local River : Papagni

Monthly Average Runoff based on period : 1991-2016

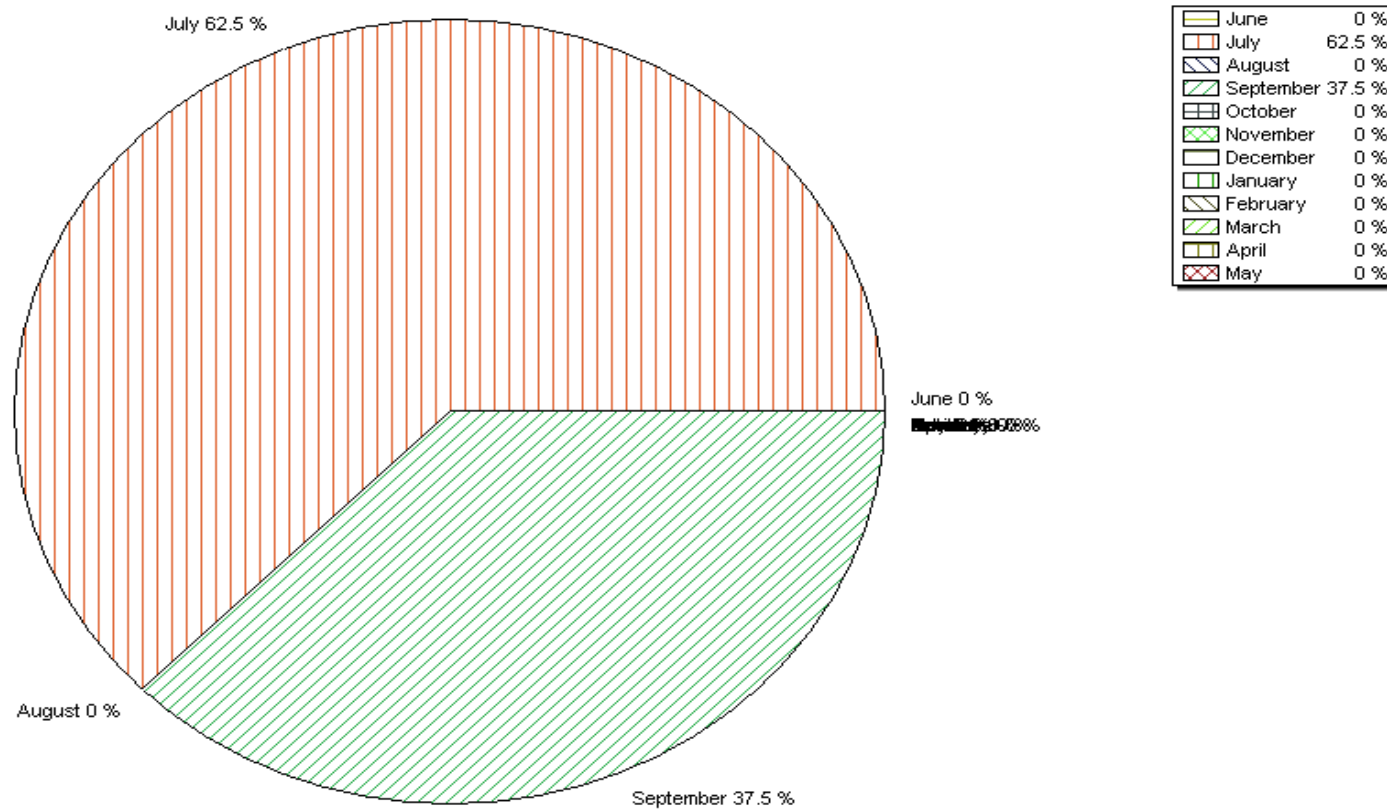
Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



Station Name : Kamalapuram (APE00C5)
Local River : Papagni

Monthly Runoff for the Year : 2016-2017

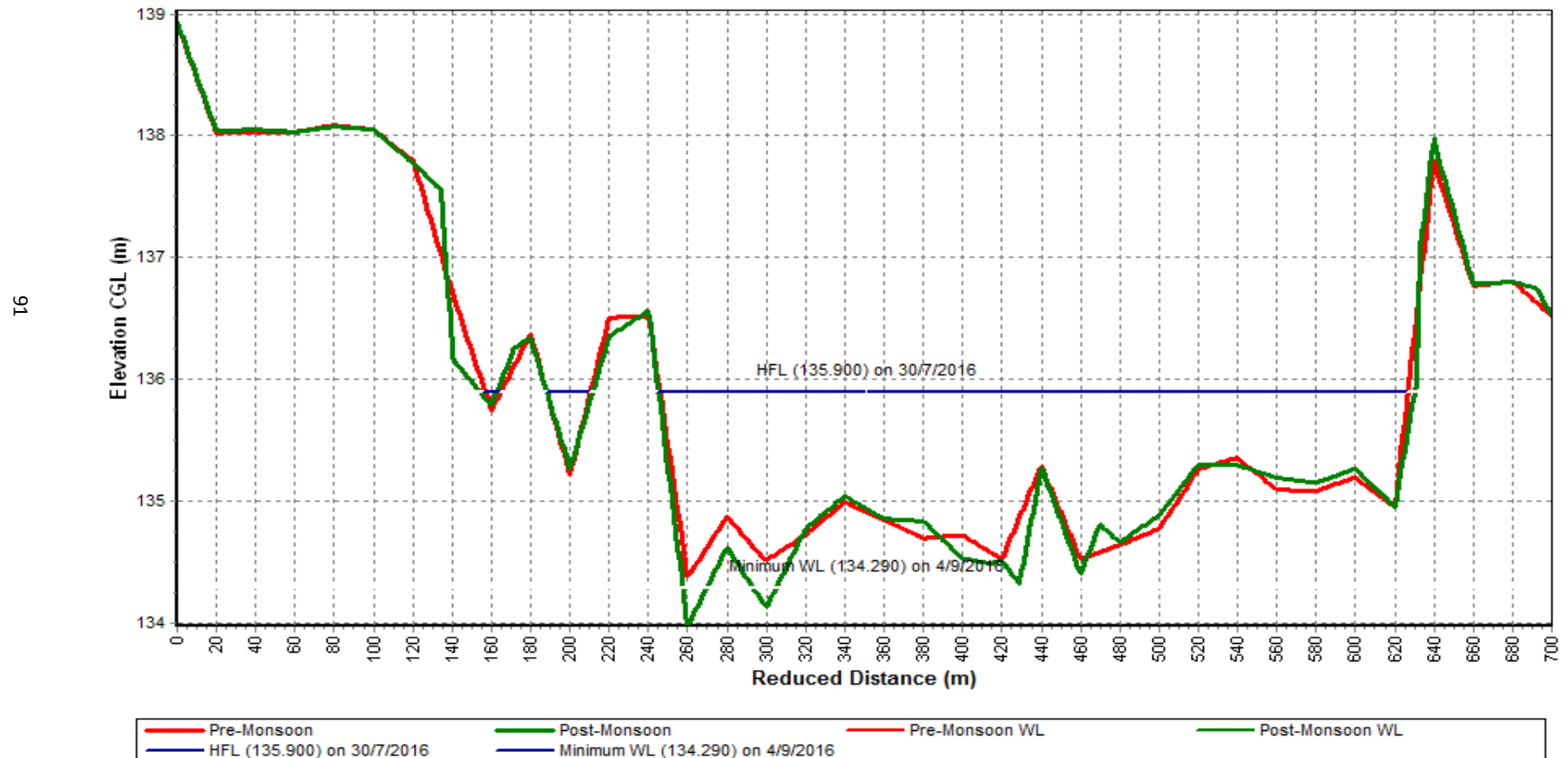
Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : Kamalapuram (APE00C5)
Local River : Papagni

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



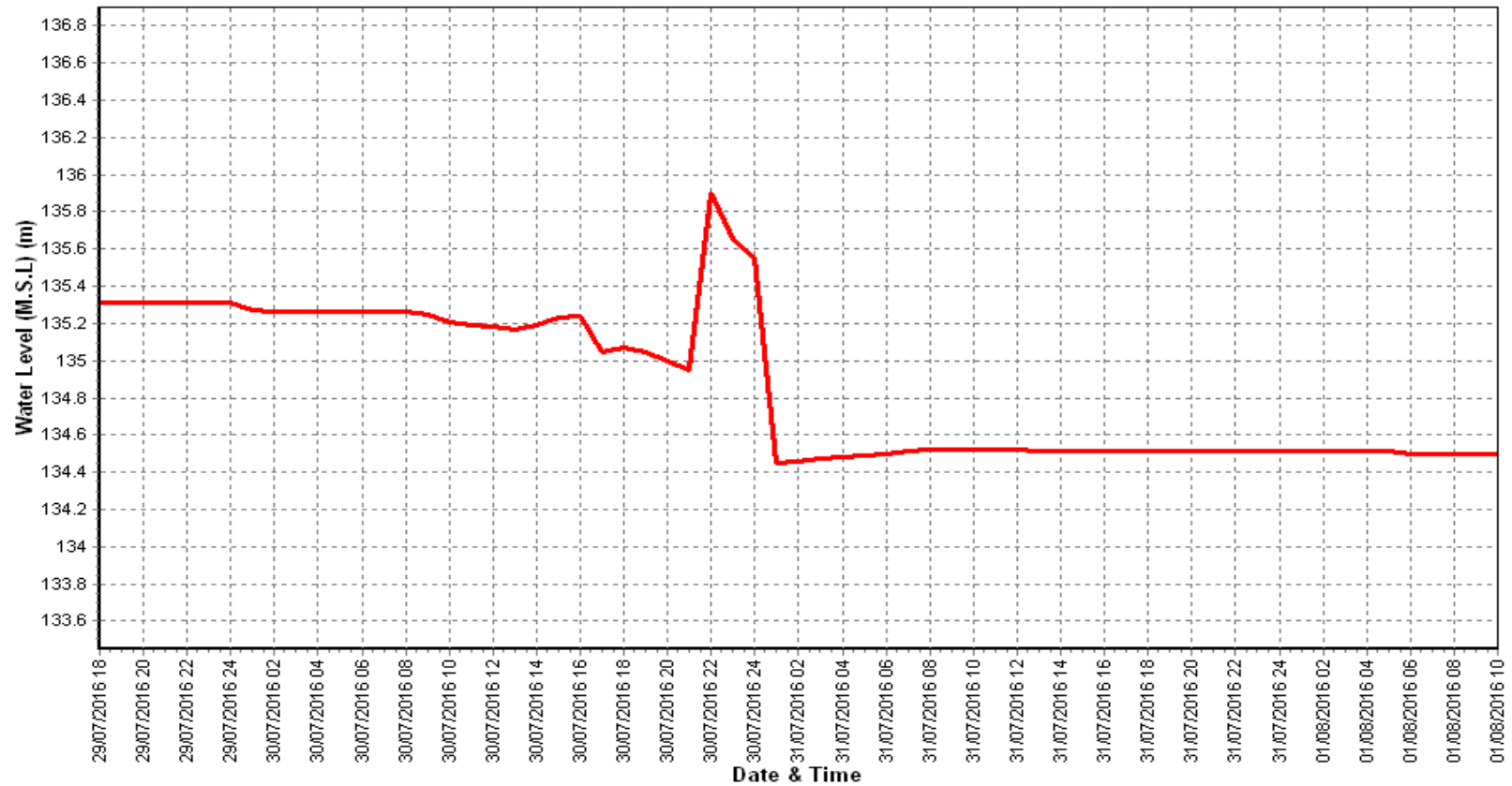
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2016-2017

Station Name : Kamalapuram (APE00C5)

Local River : Papagni

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa



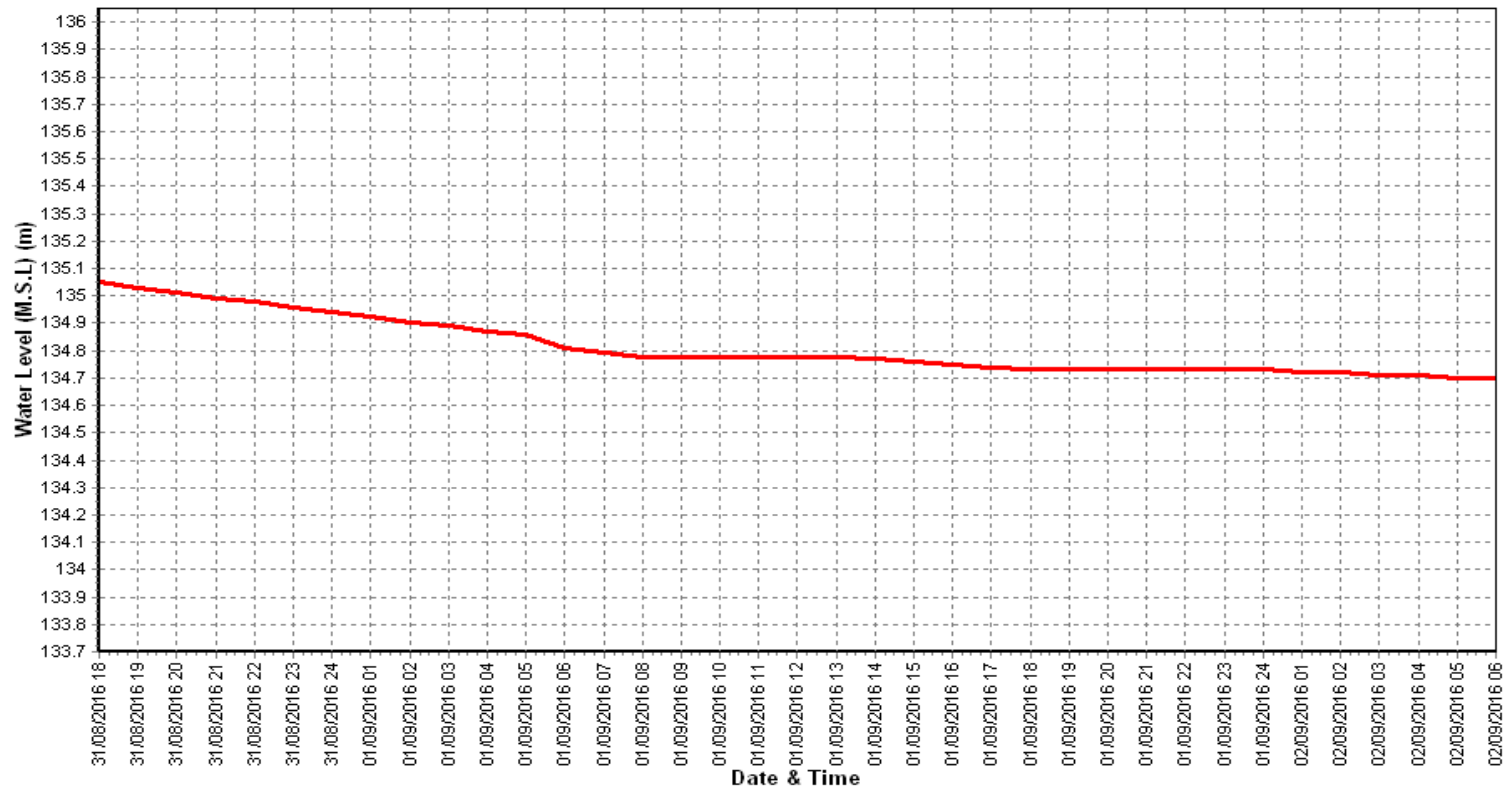
Time Span: 72 Hrs

Station Name : Kamalapuram (APE00C5)
Local River : Papagni

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

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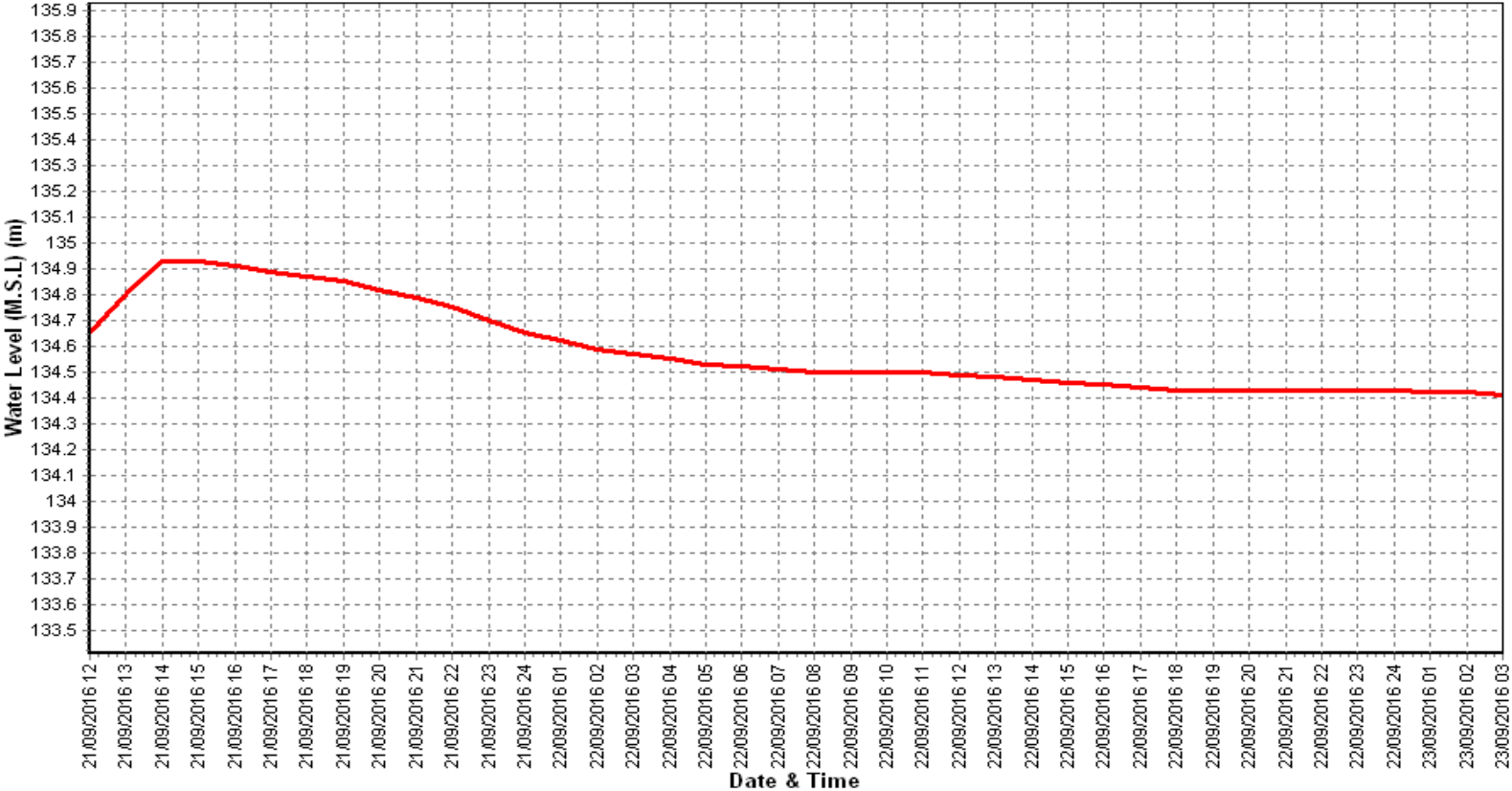
Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2016-2017

Station Name : Kamalapuram (APE00C5)
Local River : Papagni

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

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Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2016-2017

Site : Nandalur

Code : APB0012

State : Andhra Pradesh

District : Kadapa

Basin : Pennar

Independent River : Pennar

Tributary : Cheyyeru

Sub Tributary :

Sub-Sub Tributary :

Local River : Cheyyeru

Division : Hydrology Division, Chennai

Sub-Division : Pennar SD, Kadapa

Drainage Area : 5183 Sq. Km.

Bank : Right

Latitude : 14°15'17"

Longitude : 79°06'59"

Zero of Gauge (m) : 133.000(Arb.)
Opening Date

Closing Date

Gauge : 21/03/2013

Discharge : 21/03/2013

Sediment :

Water Quality :

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2013-2014	0.000	Dry Bed	01/06/2013	0.000	Dry Bed	01/06/2013
2014-2015	0.000	Dry Bed	01/06/2014	0.000	Dry Bed	01/06/2014
2015-2016	1229	137.000	17/11/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : Nandalur (APB0012)

Division : Hydrology Division, Chennai

Local River : Cheyyeru

Sub-Division : PSD, Kadapa

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000	134.915	2.041
9		0.000		0.000		0.000		0.000		0.000	134.970	3.694
10		0.000		0.000		0.000		0.000		0.000	134.820	1.200
11		0.000		0.000		0.000		0.000		0.000		0.000
12		0.000		0.000		0.000		0.000		0.000		0.000
13		0.000		0.000		0.000		0.000		0.000		0.000
14		0.000		0.000		0.000		0.000		0.000		0.000
15		0.000		0.000		0.000		0.000		0.000		0.000
16		0.000		0.000		0.000		0.000		0.000		0.000
17		0.000		0.000		0.000		0.000		0.000		0.000
18		0.000		0.000		0.000		0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000		0.000		0.000		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000				0.000		0.000		0.000
30		0.000		0.000				0.000		0.000		0.000
31		0.000		0.000				0.000				0.000
<u>Ten-Daily Mean</u>												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000	134.902	0.694
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
<u>Monthly</u>												
Min.		0.000		0.000		0.000		0.000		0.000	134.820	0.000
Max.		0.000		0.000		0.000		0.000		0.000	134.970	3.694
Mean		0		0		0		0		0	134.902	0.224

Q:Observed/Computed Discharge in cumecs

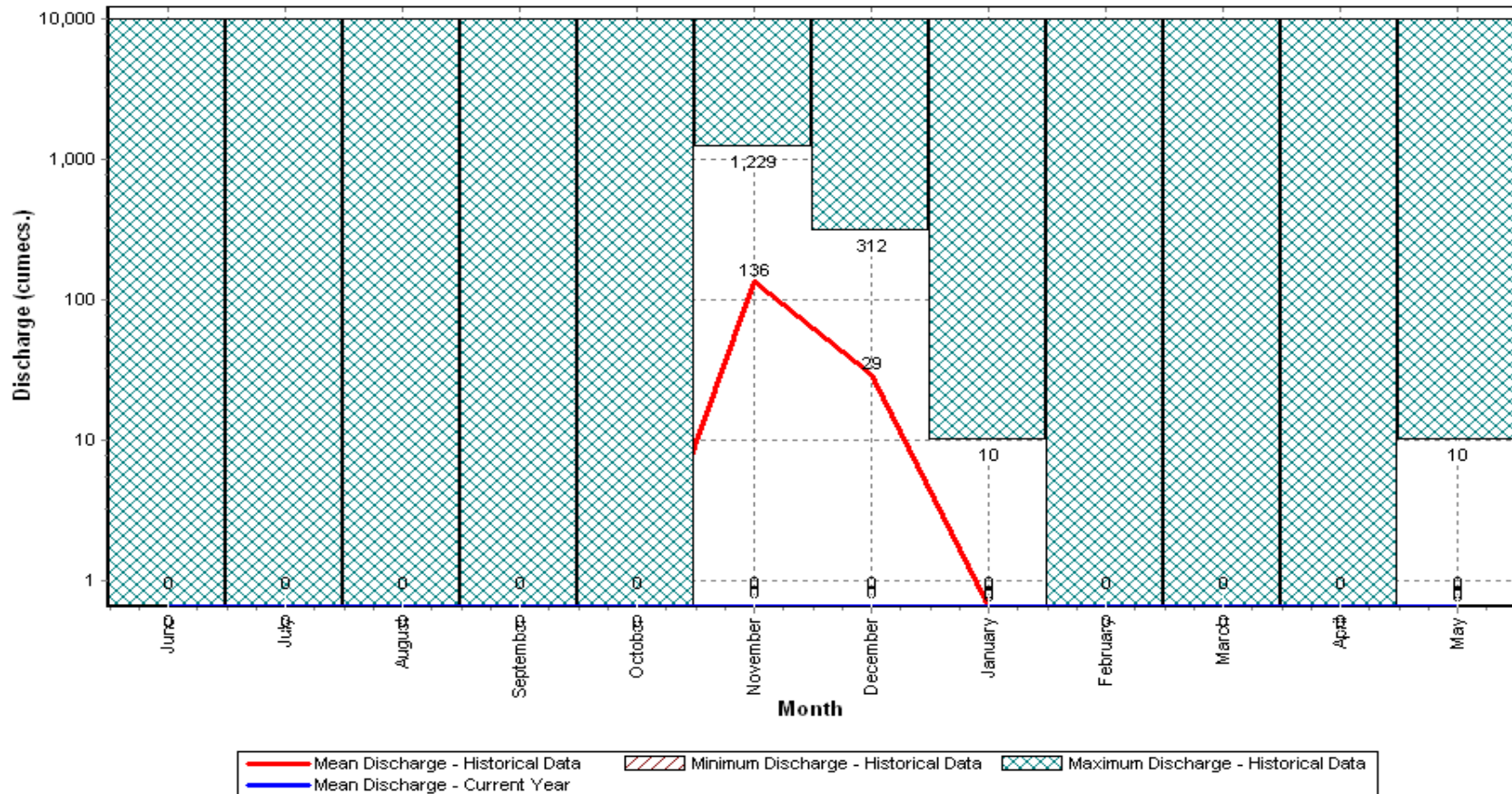
WL:Corresponding Mean Water Level(m.s.l) in m

Note:Missing values ignored while arriving at Annual Runoff

Station Name : Nandalur (APB0012)
Local River : Cheyyeru

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017 Data considered : 2013-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

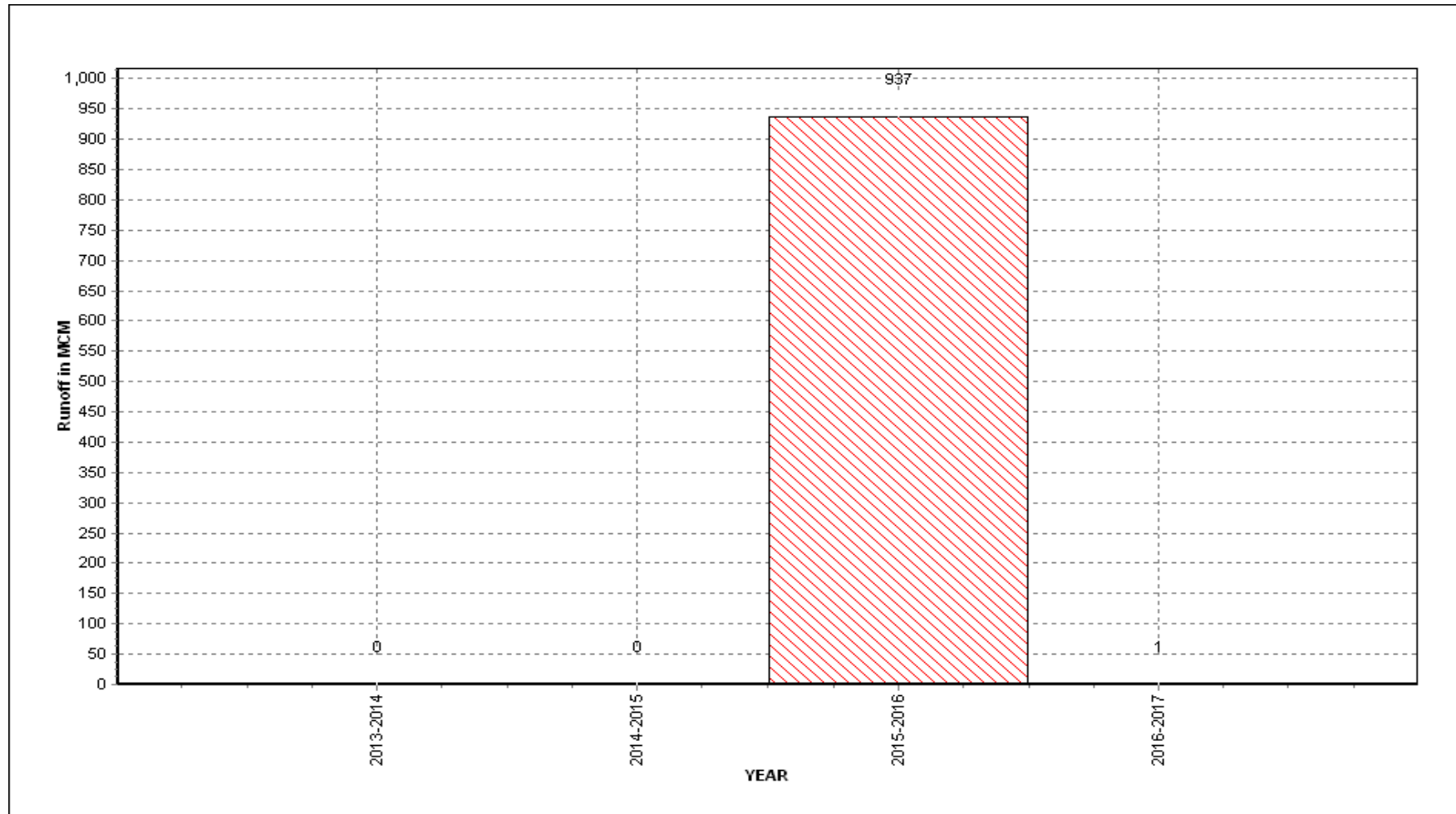


Station Name : Nandalur (APB0012)
Local River : Cheyyeru

Annual Runoff Values for the period: 2013 - 2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

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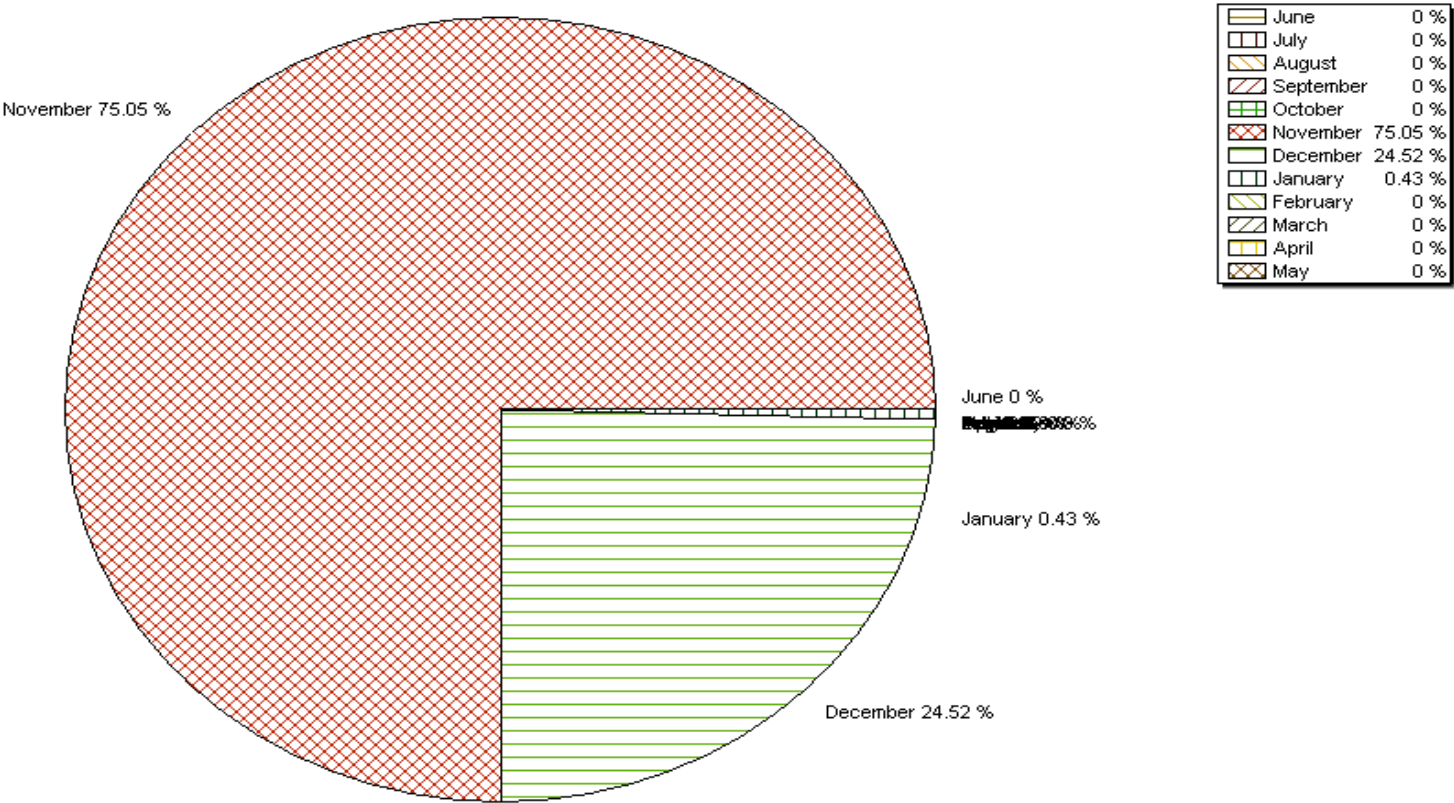
Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Nandalur (APB0012)
Local River : Cheyyeru

Monthly Average Runoff based on period : 2013-2016

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

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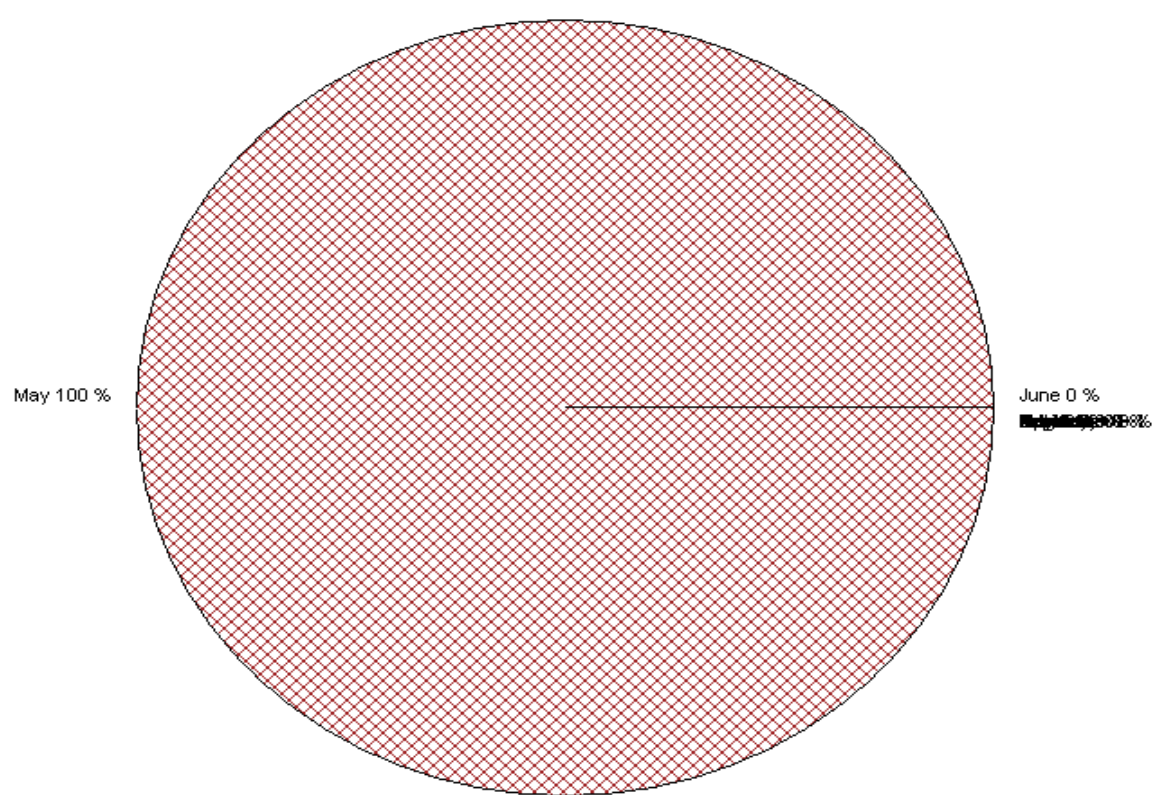


Station Name : Nandalur (APB00I2)
Local River : Cheyyeru

Monthly Runoff for the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

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June	0 %
July	0 %
August	0 %
September	0 %
October	0 %
November	0 %
December	0 %
January	0 %
February	0 %
March	0 %
April	0 %
May	100 %

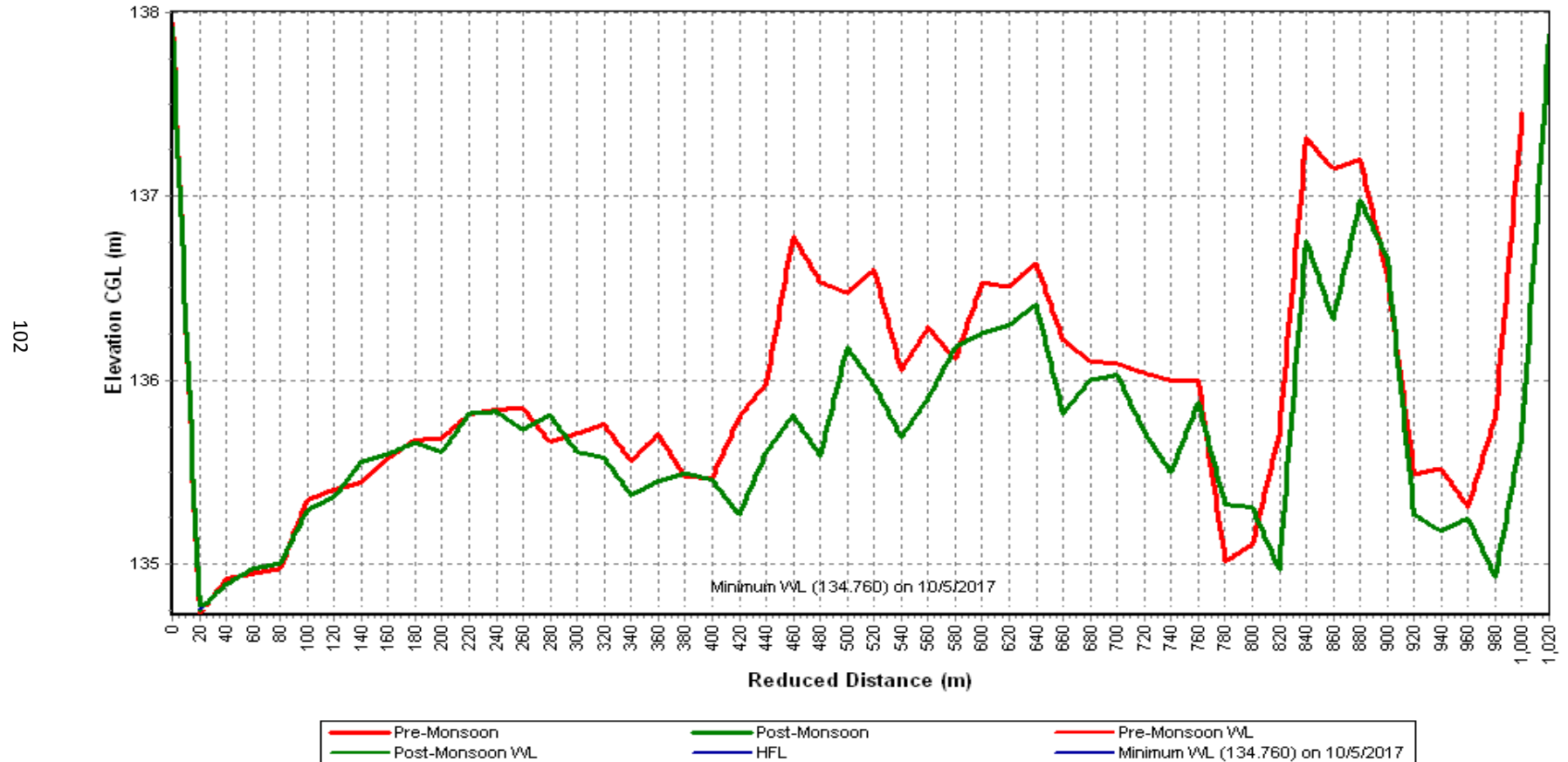
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : Nandalur (APB0012)

Local River : Cheyyeru

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa



HISTORY SHEET

Water Year : 2016-2017

Site : Alladupalli

Code : APF00B8

State : Andhra Pradesh

District : Kadapa

Basin : Pennar

Independent River : Pennar

Tributary : Kunderu

Sub Tributary :

Sub-Sub Tributary :

Local River : Kunderu

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

Drainage Area : 8758 Sq. Km.

Bank : Left

Latitude : 14°43'02"

Longitude : 78°40'07"

Zero of Gauge (m) : 94.000(m.s.l)
132.955 (m.s.l)18/07/1985 - 31/05/2003
01/06/2003

Opening Date

Closing Date

Gauge : 18/07/1985

Discharge : 21/08/1985

Sediment : 11/07/1996

Water Quality : 01/07/1987

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1986-1987	359.8	97.650	21/09/1986	0.000	95.530	09/03/1987
1987-1988	869.9	99.470	15/08/1987	0.000	Dry bed	13/07/1987
1988-1989	1728	101.975	30/08/1988	0.000	Dry bed	27/06/1988
1989-1990	1355	100.720	17/07/1989	0.000	Dry bed	01/06/1989
1990-1991	1483	100.605	03/10/1990	0.000	Dry bed	04/07/1990
1991-1992	737.8	98.670	09/07/1991	0.000	Dry bed	14/04/1992
1992-1993	521.5	98.037	08/07/1992	0.000	Dry bed	15/06/1992
1993-1994	770.5	99.551	26/07/1993	0.000	Dry bed	19/06/1993
1994-1995	1839	102.300	07/10/1994	0.000	Dry bed	01/06/1994
1995-1996	427.6	98.550	30/08/1995	0.000	Dry bed	01/06/1995
1996-1997	2029	102.925	03/10/1996	0.000	Dry bed	01/06/1996
1997-1998	763.0	99.300	02/10/1997	0.000	95.160	01/06/1997
1998-1999	1523	101.280	12/10/1998	0.000	Dry bed	01/06/1998
1999-2000	519.9	98.475	21/08/1999	0.000	Dry bed	23/07/1999
2000-2001	4916	104.280	24/08/2000	0.000	95.300	21/02/2001
2001-2002	2758	102.450	18/10/2001	0.000	Dry bed	01/06/2001
2002-2003	507.8	97.805	15/10/2002	0.000	Dry bed	01/06/2002
2003-2004	560.9	136.965	23/10/2003	0.000	Dry bed	01/06/2003

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2004-2005	682.7	137.375	07/10/2004	0.000	Dry bed	01/06/2004
2005-2006	1887	139.550	29/10/2005	0.000	133.745	08/06/2005
2006-2007	646.1	137.865	17/09/2006	0.000	Dry bed	27/03/2006
2007-2008	2752	142.085	24/06/2007	0.000	133.515	04/06/2007
2008-2009	442.9	136.985	09/09/2008	0.000	133.545	25/06/2008
2009-2010	2667	141.650	06/10/2009	0.000	133.735	08/07/2009
2010-2011	854.7	137.815	26/08/2010	2.365	133.935	06/07/2010
2011-2012	1224	138.270	21/08/2011	0.583	133.495	22/04/2012
2012-2013	365.9	136.255	05/09/2012	0.000	133.425	03/04/2013
2013-2014	1244	138.125	18/08/2013	1.203	133.545	09/07/2013
2014-2015	1104	137.520	19/09/2014	0.000	133.385	06/07/2014
2015-2016	257.9	135.545	12/09/2015	0.000	133.335	21/01/2016

Stage-Discharge Data for the period 2016 - 2017

Station Name : Alladupalli (APF00B8)

Division : Hydrology Division, Chennai

Local River : Kunderu

Sub-Division : PSD, Kadapa

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	133.245	0.000	133.975	21.25	134.255	37.51	137.405	1126	135.840	422.1	134.790	132.1
2	133.245	0.000	133.755	7.036	134.255	38.30	135.715	376.6	135.565	317.8 *	134.905	141.0
3	133.245	0.000	133.735	7.076 *	134.345	49.66	135.065	161.0	135.455	289.6	134.955	153.4
4	133.245	0.000	133.655	6.015	134.345	48.56	134.605	90.14 *	135.325	257.9	134.895	139.5
5	133.245	0.000	133.615	5.246	134.305	39.79	134.385	57.75 *	135.205	227.9	134.915	142.0
6	133.245	0.000	133.555	4.580	134.055	28.43	134.305	44.23	135.055	169.7	134.875	139.9 *
7	133.575	3.607	133.555	4.327 *	134.115	27.94 *	134.395	55.17	135.005	157.6	134.835	135.7
8	133.705	6.371	133.485	3.582	134.035	26.17	134.315	45.06	135.025	159.0	134.805	133.0
9	133.755	6.813	133.485	3.138	133.655	4.838	134.480	59.44	135.255	228.8 *	134.745	126.3
10	133.655	5.148	133.465	0.992 *	134.255	38.16	134.475	60.09	135.275	244.8	135.005	159.9
11	133.615	4.406	133.405	0.728	134.345	49.57	135.505	299.4 *	135.065	181.6 *	134.705	111.1
12	133.605	4.941 *	133.415	0.771	133.875	11.22	134.895	141.5	135.205	215.9 *	134.705	111.9
13	133.595	4.033	133.415	0.778	134.985	151.8	135.715	366.2 *	135.035	165.9	134.755	116.4 *
14	133.475	2.241	133.355	0.599	134.805	125.9 *	135.855	422.0	134.945	151.0	134.755	116.4 *
15	133.475	2.212	133.325	0.335	134.785	122.1 *	136.345	607.7	134.905	140.6	134.920	144.3
16	133.455	2.009	133.345	0.380	134.895	142.6	137.080	939.9	134.815	127.9 *	134.865	134.6
17	133.445	1.955	133.345	0.438 *	134.685	98.09	136.535	688.1	134.785	122.5	134.975	153.3
18	133.445	1.925	133.405	0.613	134.035	26.54	135.805	396.9 *	134.915	144.0	135.040	169.7
19	133.425	1.466 *	133.395	0.593	133.945	13.21	135.395	278.2	134.905	139.7	135.005	158.7
20	133.405	1.209 #	133.405	0.661	133.945	13.74	135.160	203.3	134.745	127.0	134.975	161.2 *
21	133.405	1.209 #	133.405	0.668	133.975	16.75 *	135.940	459.9	134.750	127.7	134.955	151.5
22	133.415	1.334 #	133.415	0.698	134.255	39.49	136.005	493.3	134.765	128.2	134.955	152.3
23	133.455	2.041	133.355	0.582	134.255	39.11	136.405	641.5	134.765	118.3 *	134.885	139.8
24	133.455	2.002	133.345	0.438 *	134.305	43.67	136.645	755.9	134.765	129.4	134.805	132.6
25	133.615	4.673	133.345	0.457	134.485	71.57 *	136.155	528.4 *	134.745	129.4	134.725	122.0
26	133.815	11.72 *	133.345	0.453	134.055	28.03	135.855	428.8	134.775	129.3	134.725	121.9
27	134.015	23.72	134.055	27.51	133.945	13.95	135.655	359.8	134.795	133.0	134.675	100.2
28	134.065	27.49	134.705	110.6	133.805	7.034 *	136.005	493.8	134.785	131.6	134.495	65.90
29	134.015	24.59	134.255	38.04	133.875	11.94	135.645	355.0	134.815	127.9 *	134.565	79.04
30	133.975	21.59	134.870	135.2	136.405	679.1	135.805	411.7	134.795	124.0 *	134.505	66.23
31			134.185	34.62 *	136.805	836.5			134.790	132.4		
Ten-Daily Mean												
I Ten-Daily	133.416	2.194	133.628	6.324	134.162	33.94	134.914	207.6	135.301	247.5	134.873	140.3
II Ten-Daily	133.494	2.640	133.381	0.590	134.430	75.48	135.829	434.3	134.932	151.6	134.870	137.8
III Ten-Daily	133.723	12.04	133.844	31.76	134.560	162.5	136.012	492.8	134.777	128.3	134.729	113.2
Monthly												
Min.	133.245	0.000	133.325	0.335	133.655	4.838	134.305	44.23	134.745	118.3	134.495	65.90
Max.	134.065	27.49	134.870	135.2	136.805	836.5	137.405	1126	135.840	422.1	135.040	169.7
Mean	133.544	5.624	133.625	13.5	134.390	92.95	135.585	378.2	134.996	174.3	134.824	130.4

Annual Runoff in MCM = 2487 Annual Runoff in mm = 284

Peak Observed Discharge = 1126 cumecs on 01/09/2016 Corres. Water Level :137.405 m

Lowest Observed Discharge = 0.000 cumecs on 01/06/2016 Corres. Water Level :133.245 m

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2016 - 2017

Station Name : Alladupalli (APF00B8)

Division : Hydrology Division, Chennai

Local River : Kunderu

Sub-Division : PSD, Kadapa

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	134.505	66.79	134.515	73.64 *	133.705	10.70	133.185	0.000	133.215	0.208	133.655	8.131
2	134.615	86.50	134.455	63.83	133.675	9.884	133.185	0.000	133.205	0.168	133.690	10.77
3	134.720	113.9	134.455	64.13	133.635	8.885	133.175	0.000	133.195	0.000	133.615	7.368
4	134.785	110.8	134.475	65.93	133.635	8.839	133.175	0.000	133.195	0.000	133.515	4.607
5	134.775	129.2	134.525	70.96	133.615	6.925 *	133.175	0.000	133.185	0.000	133.465	3.333
6	134.835	135.1	134.515	68.67	133.475	3.321	133.175	0.000	133.185	0.000	133.415	1.795
7	134.740	126.2	134.445	62.01	133.455	2.962	133.165	0.000	133.185	0.000	133.395	1.881 *
8	134.615	86.39	134.405	60.94 *	133.535	4.412	133.165	0.000	133.175	0.000	133.395	1.712
9	134.615	86.95	134.355	47.34	133.535	4.518	133.165	0.000	133.205	0.168 #	133.355	1.150
10	134.535	70.76	134.365	48.29	133.495	3.532	133.165	0.000	133.615	7.161	133.315	0.898 *
11	134.585	82.44	134.305	44.35	133.495	3.613	133.535	4.501	133.655	8.316	133.335	0.915
12	134.705	112.4	134.305	44.61 *	133.485	3.507 *	133.585	6.018 *	133.655	8.503	133.335	1.105 #
13	134.775	109.3	134.215	36.98	133.455	3.139	133.505	3.814	133.715	11.65	133.305	0.889
14	134.870	138.6	134.185	39.57 *	133.395	1.694	133.505	3.887	133.705	10.09 *	133.305	0.803 *
15	134.905	142.8	134.215	42.17 *	133.375	1.285	133.525	4.029	133.705	11.57	133.335	0.989
16	134.775	128.8	134.215	37.35	133.375	1.244	133.525	4.166	133.705	10.09 *	133.335	1.105 *
17	134.895	141.7	134.165	34.82	133.355	1.104	133.515	4.020	133.715	11.68	133.335	1.031
18	134.805	113.9	134.215	37.05	133.305	0.812	133.515	4.072	133.695	11.11	133.305	0.921
19	134.705	112.2	134.125	31.52 *	133.295	0.714 *	133.515	4.179 *	133.685	10.90	133.305	0.907
20	134.615	86.95	134.125	31.85	133.295	0.772	133.605	6.602	133.765	13.41	133.295	0.836
21	134.575	80.07	134.015	25.09	133.275	0.560	133.515	4.363	133.555	4.756	133.295	0.714 *
22	134.575	80.94	133.995	25.22	133.275	0.538	133.305	0.828	133.455	3.172	133.295	0.825
23	134.615	86.24	134.115	30.41	133.265	0.487	133.305	0.839	133.455	2.901 *	133.315	0.902
24	134.575	80.61	134.015	25.43	133.265	0.483 *	133.265	0.557	133.715	11.89	133.315	0.933
25	134.535	76.09	133.905	18.37	133.245	0.357 *	133.205	0.000	133.715	11.82	133.335	1.008
26	134.535	71.41	133.905	19.69 *	133.245	0.000	133.195	0.000	133.685	10.47	133.355	1.217
27	134.615	87.08	133.885	17.95	133.205	0.000	133.195	0.000	133.655	8.302	133.415	1.806
28	134.525	70.65	133.865	16.70	133.185	0.000	133.205	0.000	133.565	5.024	133.415	2.193 *
29	134.565	79.10	133.865	17.47 *			133.205	0.000	133.515	4.598	133.465	3.471
30	134.525	70.72	133.855	16.12			133.215	0.000	133.495	3.723 *	133.475	3.585
31	134.545	72.56	133.705	10.54			133.215	0.000			133.435	2.658
Ten-Daily Mean												
I Ten-Daily	134.674	101.3	134.451	62.57	133.576	6.398	133.173	0.000	133.236	0.770	133.481	4.165
II Ten-Daily	134.763	116.9	134.207	38.03	133.383	1.788	133.533	4.529	133.700	10.73	133.319	0.950
III Ten-Daily	134.562	77.77	133.920	20.27	133.245	0.303	133.257	0.599	133.581	6.666	133.374	1.755
Monthly												
Min.	134.505	66.79	133.705	10.54	133.185	0.000	133.165	0.000	133.175	0.000	133.295	0.714
Max.	134.905	142.8	134.525	73.64	133.705	10.70	133.605	6.602	133.765	13.41	133.690	10.77
Mean	134.663	97.97	134.184	39.64	133.413	3.01	133.319	1.673	133.506	6.056	133.391	2.273

Peak Computed Discharge = 528.4 cumecs on 25/09/2016

Corres. Water Level :136.155 m

Lowest Computed Discharge = 0.357 cumecs on 25/02/2017

Corres. Water Level :133.245 m

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017

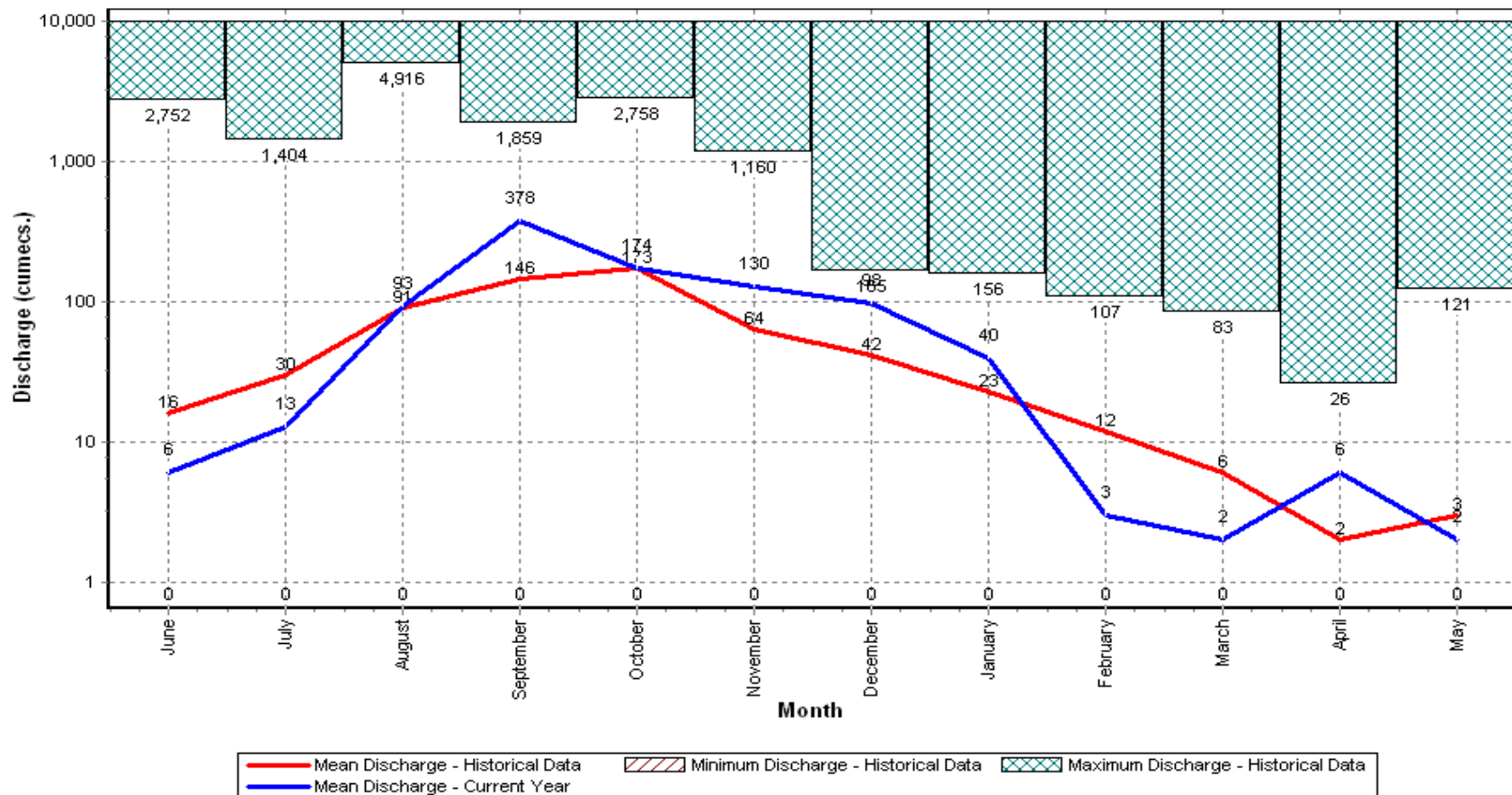
Station Name : Alladupalli (APF00B8)

Data considered : 1986-2017

Division : Hydrology Division, Chennai

Local River : Kunderu

Sub-Division : PSD, Kadapa



Annual Runoff Values for the period: 1986 - 2017

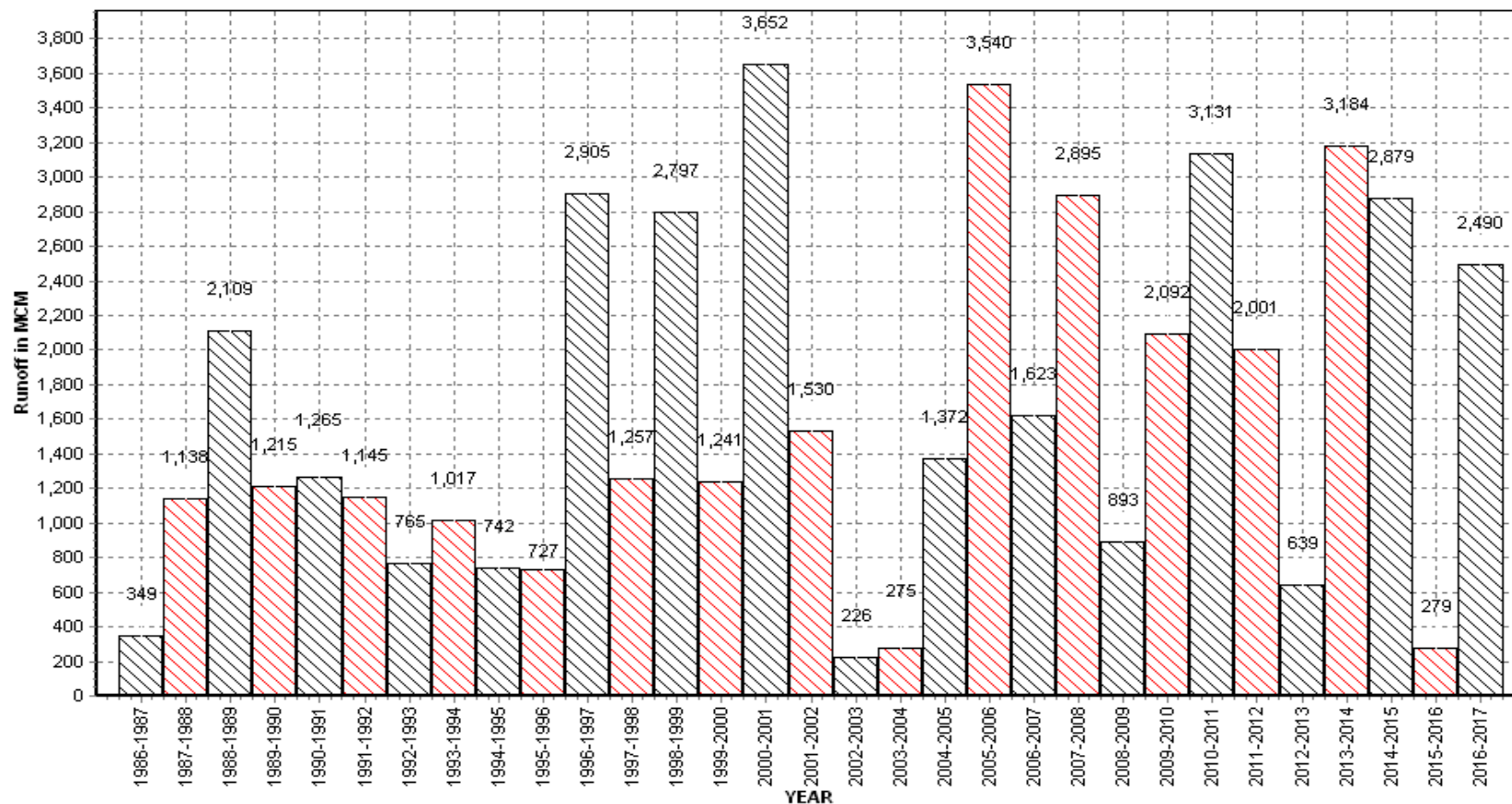
Station Name : Alladupalli (APF00B8)

Local River : Kunderu

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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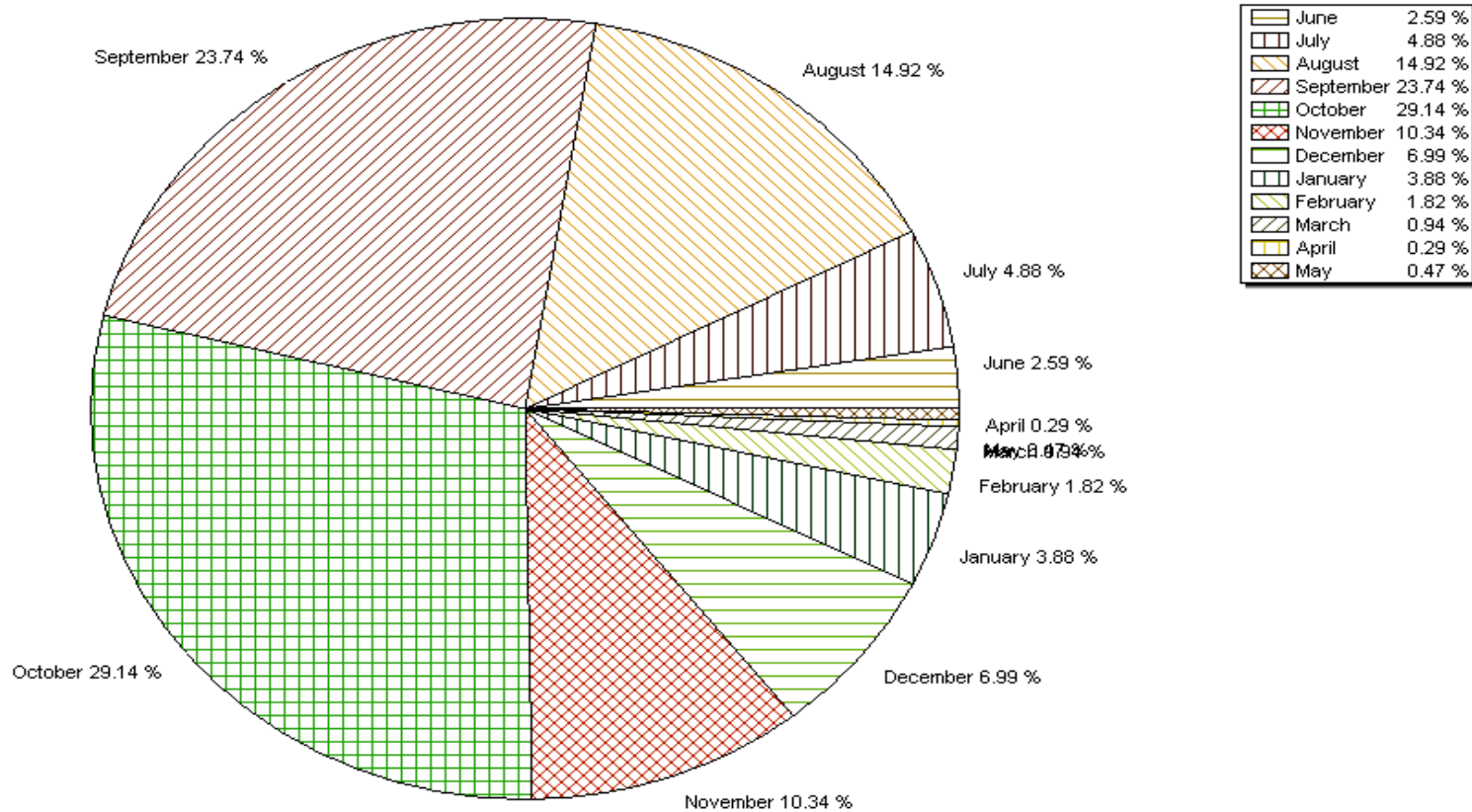


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Alladupalli (APF00B8)
Local River : Kunderu

Monthly Average Runoff based on period : 1986-2016

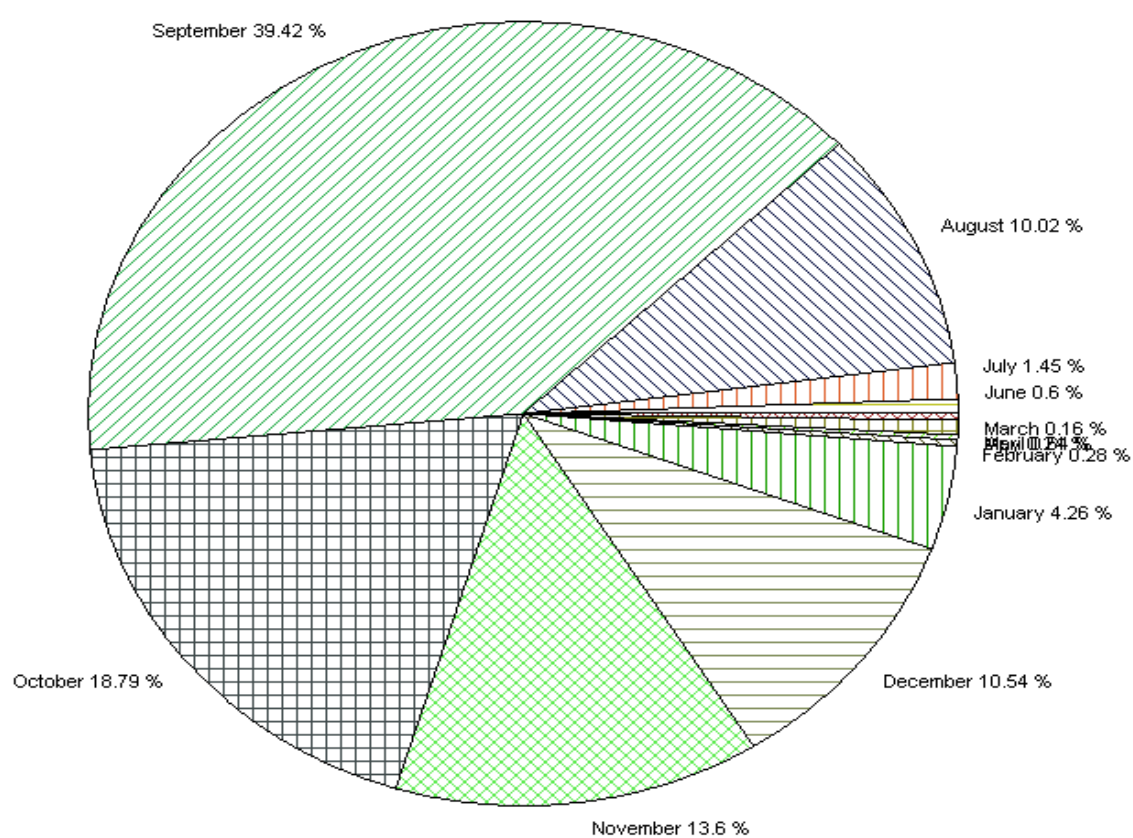
Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



Station Name : Alladupalli (APF00B8)
Local River : Kunderu

Monthly Runoff for the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



June	0.6 %
July	1.45 %
August	10.02 %
September	39.42 %
October	18.79 %
November	13.6 %
December	10.54 %
January	4.26 %
February	0.28 %
March	0.16 %
April	0.64 %
May	0.24 %

Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

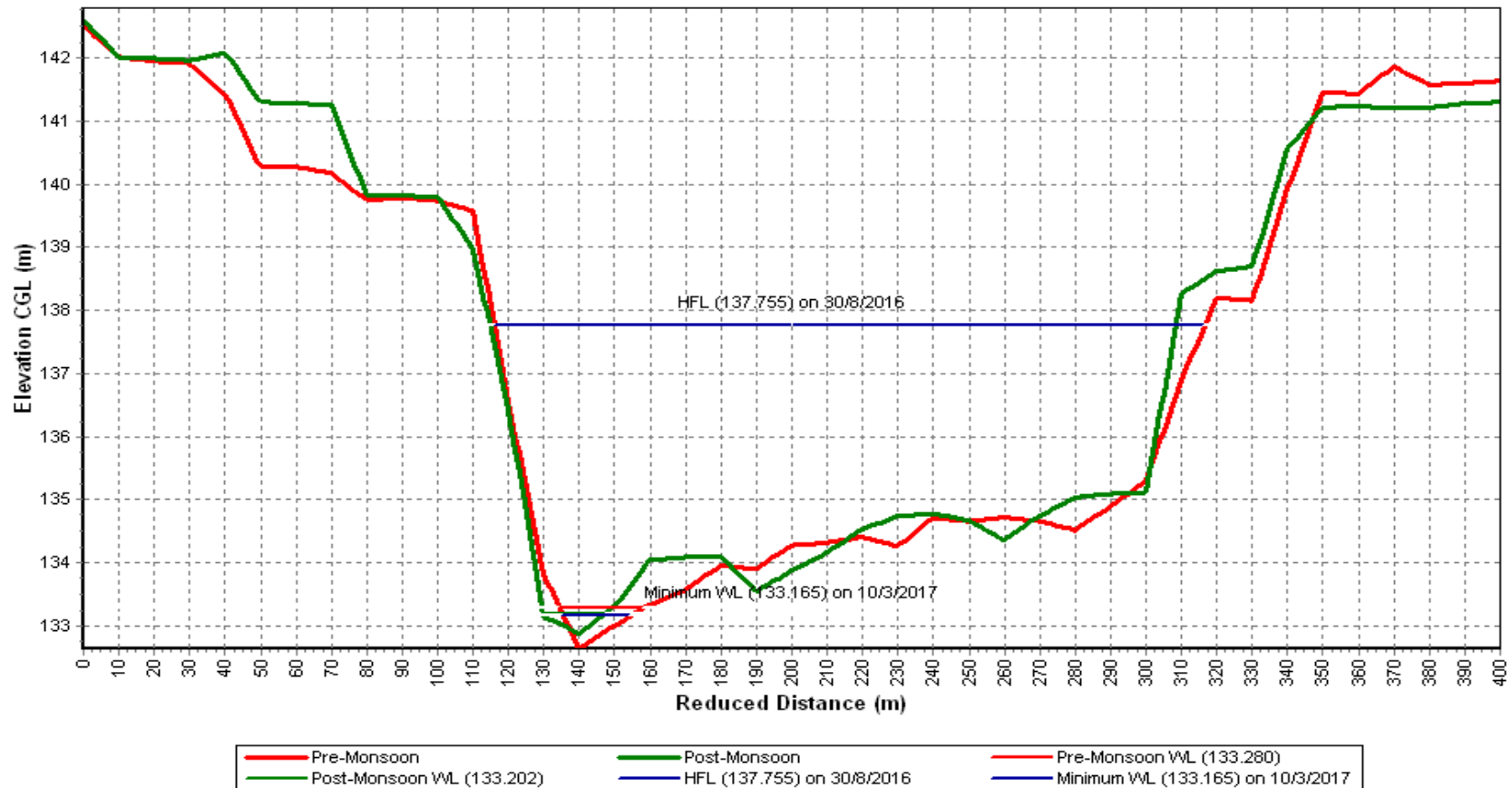
Station Name : Alladupalli (APF00B8)

Local River : Kunderu

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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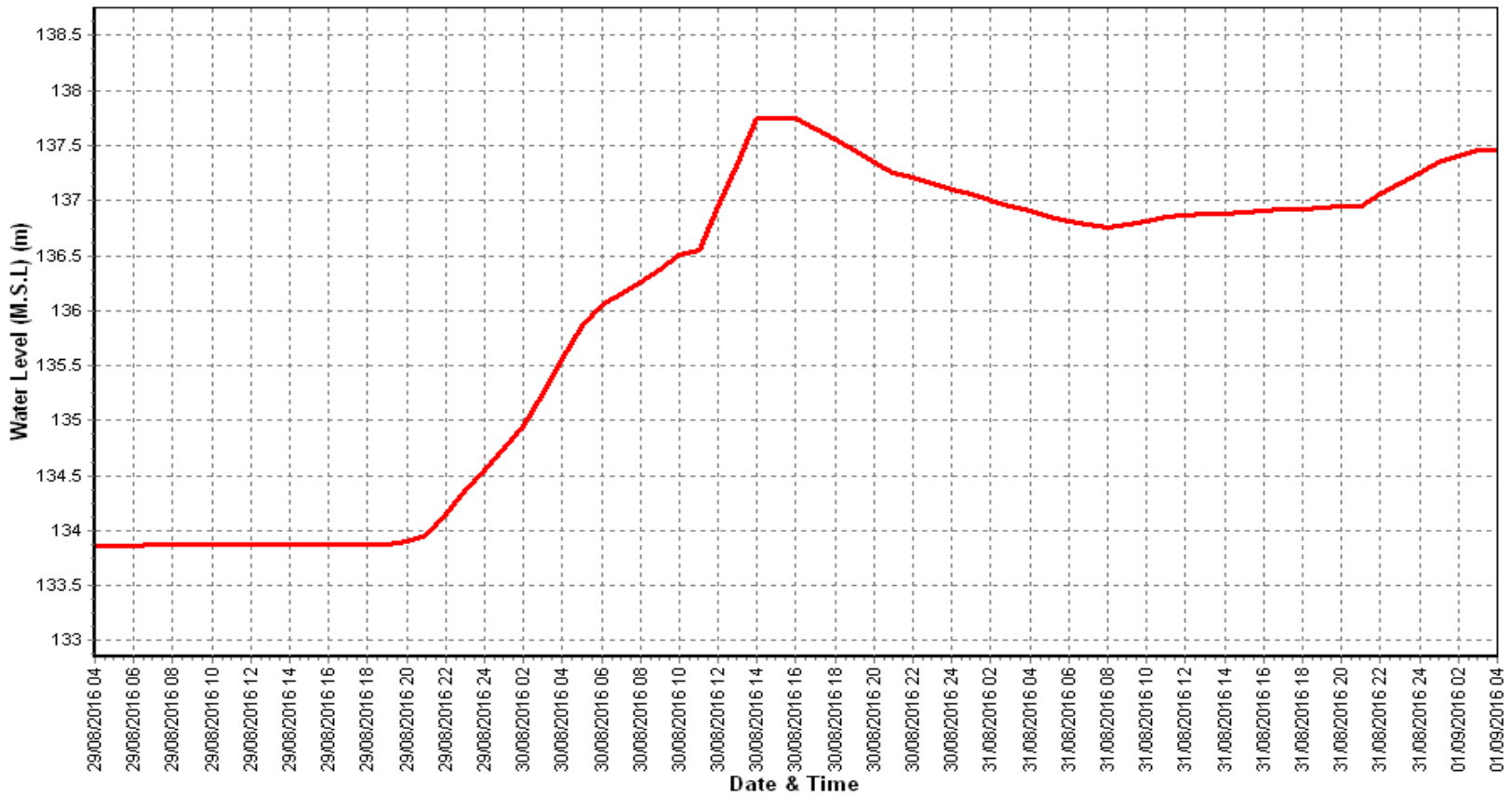
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2016-2017

Station Name : Alladupalli (APF00B8)

Local River : Kunderu

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa



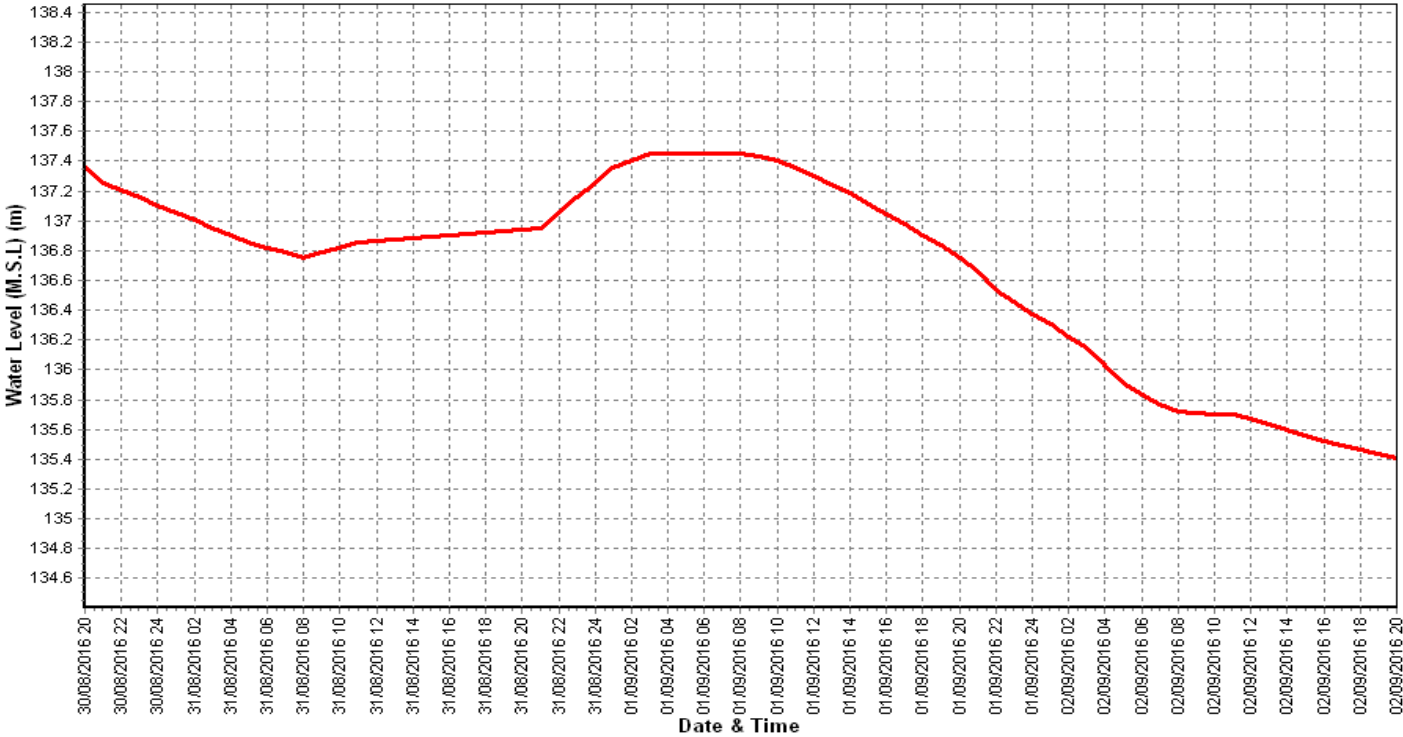
Time Span: 72 Hrs

Station Name : Alladupalli (APF00B8)
Local River : Kunderu

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

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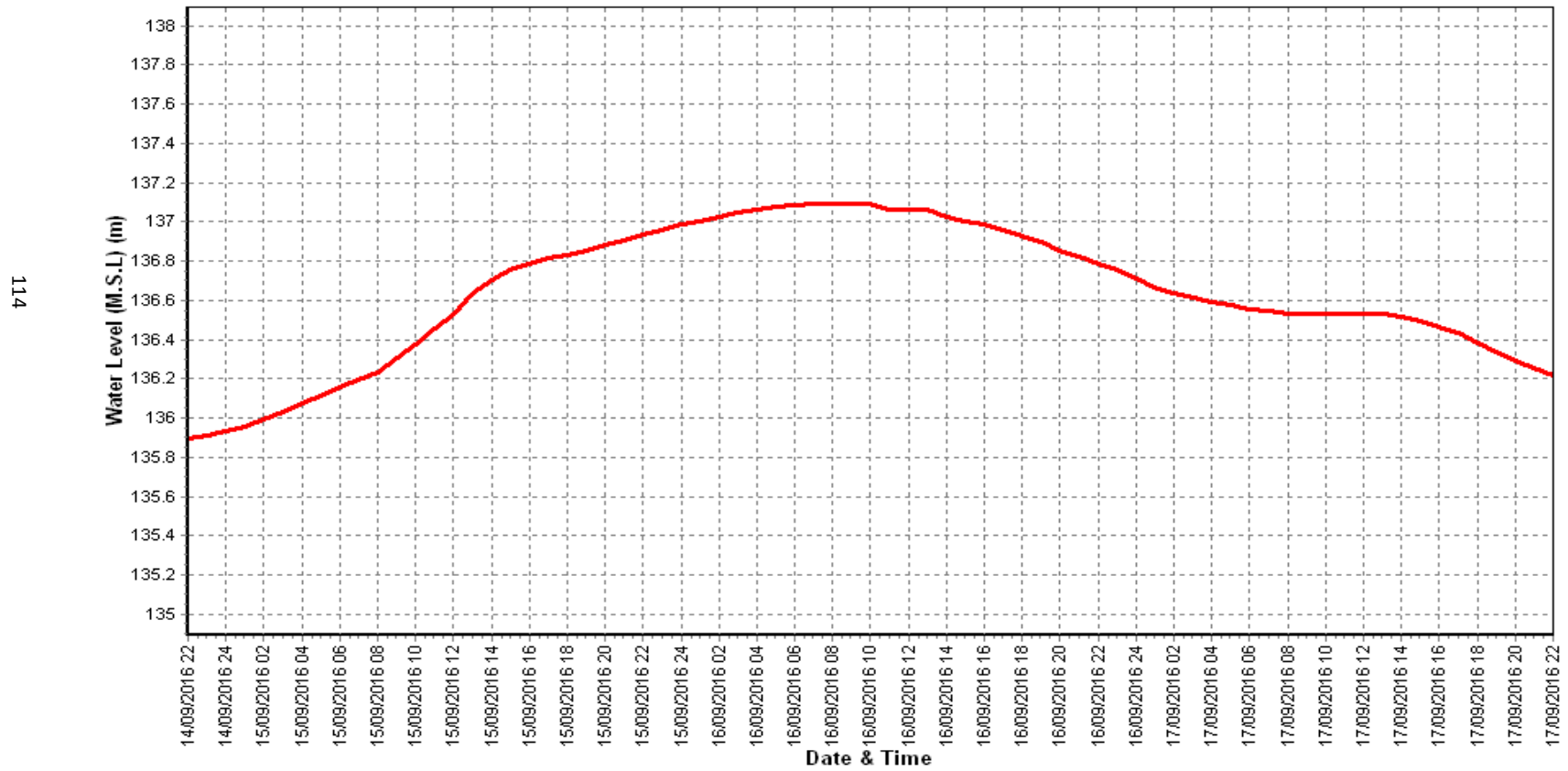


Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2016-2017

Station Name : Alladupalli (APF00B8)
Local River : Kunderu

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2016-2017

Site : Singavaram

Code : APG00E4

State : Andhra Pradesh

District : Anantapur

Basin : Pennar

Independent River : Pennar

Tributary : Chitravathi

Sub Tributary :

Sub-Sub Tributary :

Local River : Chitravathi

Division : Hydrology Division, Chennai

Sub-Division : Pennar SD, Kadapa

Drainage Area : 6262 Sq. Km.

Bank : Right

Latitude : 14°35'52"

Longitude : 78°00'48"

Zero of Gauge (m) : 256.000 (m.s.l)
256.465 (m.s.l)24/09/1979 - 31/05/1981
01/06/1981

Opening Date

Closing Date

Gauge : 24/09/1979

Discharge : 25/09/1979

Sediment :

Water Quality : 15/09/1981

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1980-1981	0.000	Dry Bed	01/06/1980	0.000	Dry Bed	01/06/1980
1981-1982	236.2	259.245	04/09/1981	0.000	Dry Bed	01/06/1981
1982-1983	69.80	258.670	06/11/1982	0.000	Dry Bed	01/06/1982
1983-1984	184.5	259.115	12/09/1983	0.000	Dry Bed	01/06/1983
1984-1985	10.90	257.975	10/10/1984	0.000	Dry Bed	01/06/1984
1985-1986	121.5	258.865	07/10/1985	0.000	Dry Bed	01/06/1985
1986-1987	92.20	258.715	08/10/1986	0.000	Dry Bed	01/06/1986
1987-1988	101.0	258.765	28/06/1987	0.000	Dry Bed	01/06/1987
1988-1989	878.0	260.355	12/09/1988	0.000	257.065	21/01/1989
1989-1990	620.0	259.830	17/07/1989	0.000	256.945	01/06/1989
1990-1991	25.70	257.465	25/10/1990	0.000	256.905	01/06/1990
1991-1992	221.6	258.000	31/10/1991	0.000	Dry Bed	01/06/1991
1992-1993	17.10	257.460	21/11/1992	0.000	Dry Bed	01/06/1992
1993-1994	2.890	257.218	23/09/1993	0.000	Dry Bed	01/06/1993
1994-1995	0.000	Dry Bed	01/06/1994	0.000	Dry Bed	01/06/1994
1995-1996	68.43	257.765	13/09/1995	0.000	Dry Bed	01/06/1995
1996-1997	643.0	259.415	21/10/1996	0.000	Dry Bed	01/06/1996
1997-1998	95.00	257.785	12/09/1997	0.000	256.645	01/06/1997

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

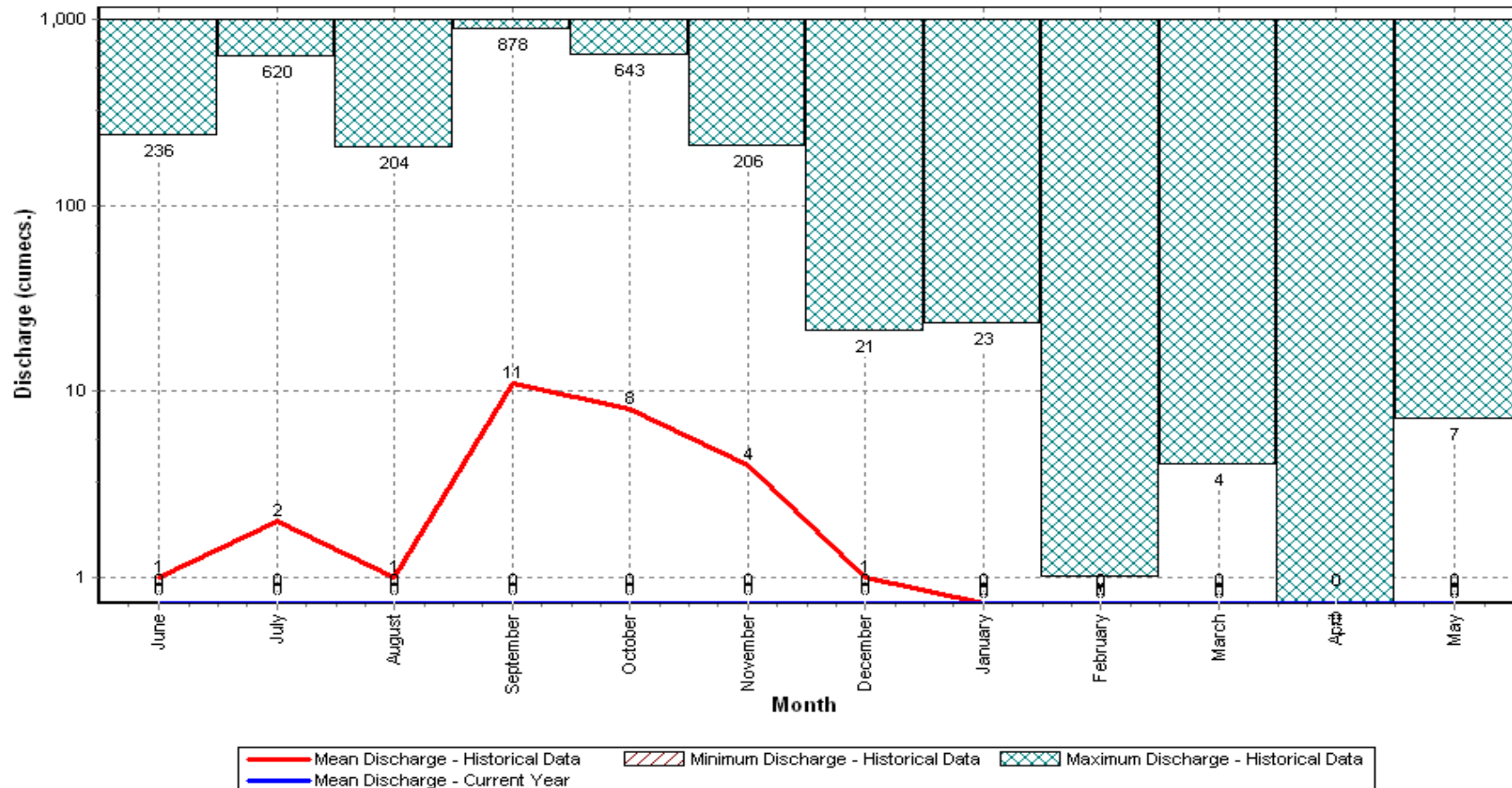
Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1998-1999	219.0	258.215	15/10/1998	0.000	Dry Bed	01/06/1998
1999-2000	68.22	257.185	01/10/1999	0.000	Dry Bed	01/06/1999
2000-2001	17.01	257.055	24/10/2000	0.000	Dry Bed	01/06/2000
2001-2002	274.6	258.115	19/10/2001	0.000	Dry Bed	01/06/2001
2002-2003	0.000	Dry Bed	04/10/2002	0.000	Dry Bed	01/06/2002
2003-2004	0.000	Dry Bed	05/10/2003	0.000	Dry Bed	01/06/2003
2004-2005	2.431	256.350	18/01/2005	0.000	Dry Bed	01/06/2004
2005-2006	14.69	256.785	25/11/2005	0.000	Dry Bed	01/06/2005
2006-2007	0.000	Dry Bed	01/06/2006	0.000	Dry Bed	01/06/2006
2007-2008	0.000	Dry Bed	01/06/2007	0.000	Dry Bed	01/06/2007
2008-2009	0.000	Dry Bed	01/06/2008	0.000	Dry Bed	01/06/2008
2009-2010	0.349	255.885	21/11/2009	0.000	Dry Bed	01/06/2009
2010-2011	22.59	256.875	01/01/2011	0.000	Dry Bed	01/06/2010
2011-2012	0.000	Dry Bed	01/06/2011	0.000	Dry Bed	01/06/2011
2012-2013	0.000	Dry Bed	01/06/2012	0.000	Dry Bed	01/06/2012
2013-2014	0.000	Dry Bed	01/06/2013	0.000	Dry Bed	01/06/2013
2014-2015	0.000	Dry Bed	01/06/2014	0.000	Dry Bed	01/06/2014
2015-2016	0.000	Dry Bed	01/06/2015	0.000	Dry Bed	01/06/2015

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Station Name : Singavaram (APG00E4)
Local River : Chitravathi

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017 Data considered : 1980-2017

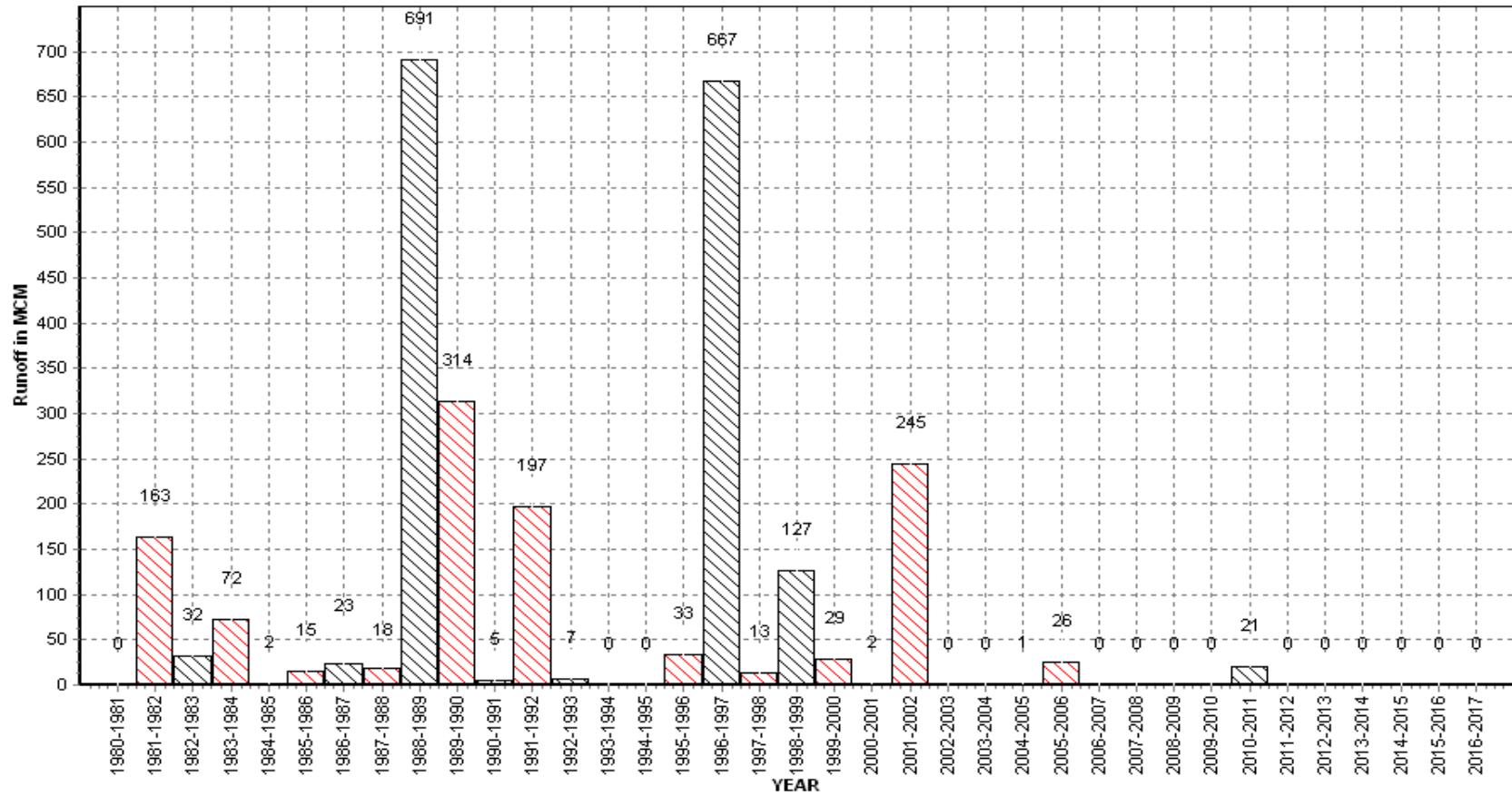
Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



Annual Runoff Values for the period: 1980 - 2017

Station Name : Singavaram (APG00E4)
Local River : Chitravathi

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

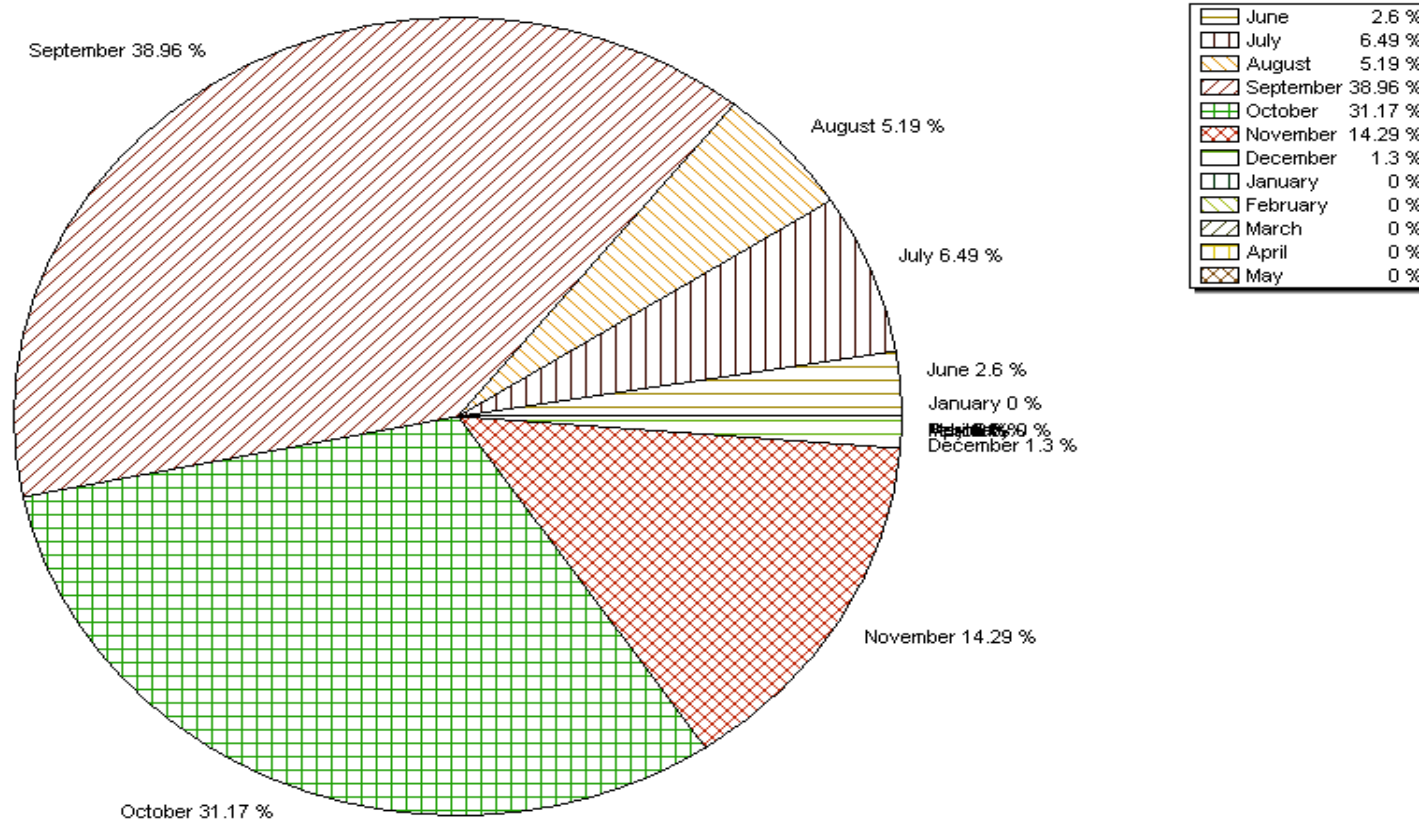


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Singavaram (APG00E4)
Local River : Chitravathi

Monthly Average Runoff based on period : 1980-2016

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

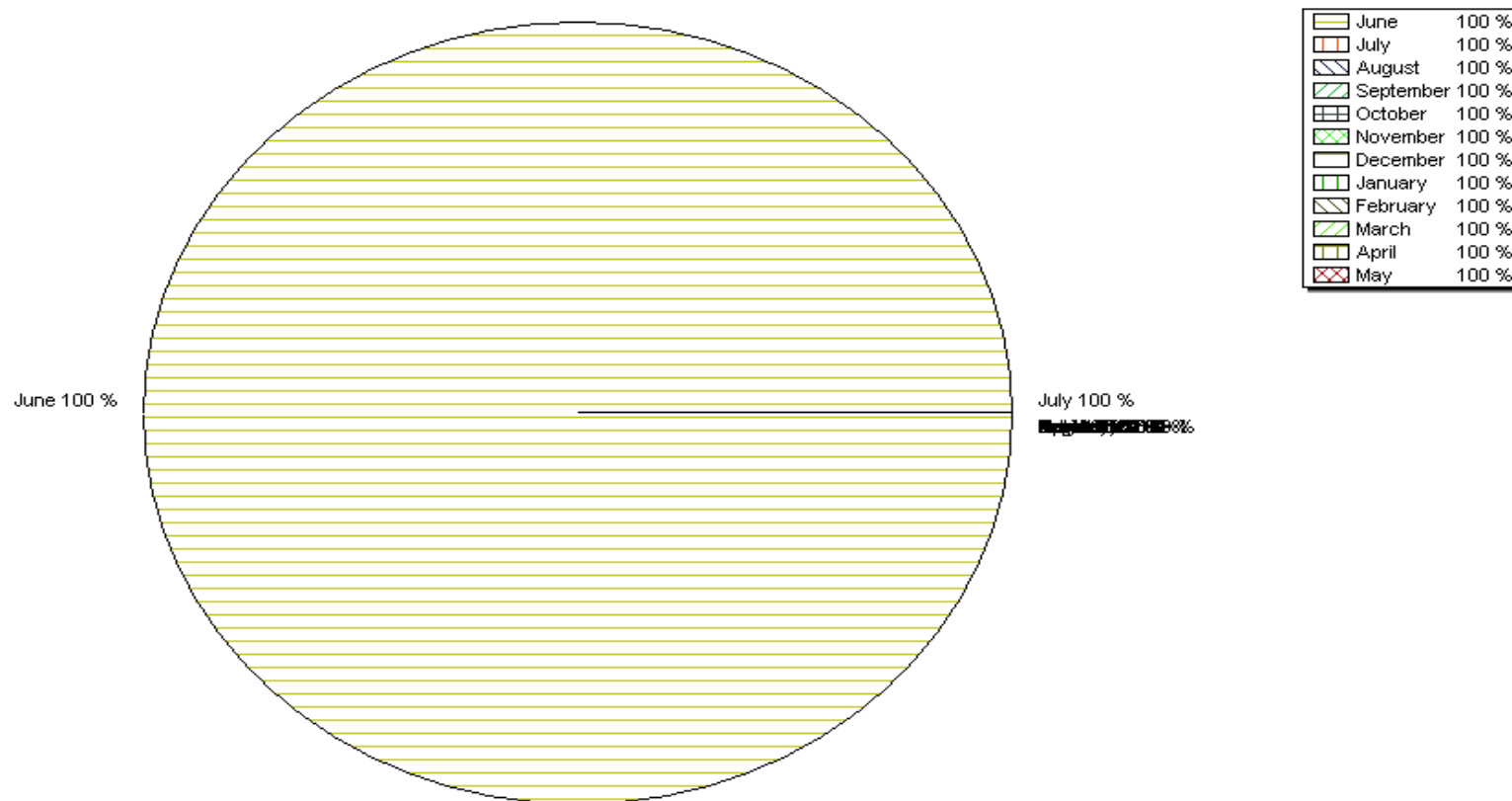


Station Name : Singavaram (APG00E4)
Local River : Chitravathi

Monthly Runoff for the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

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Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

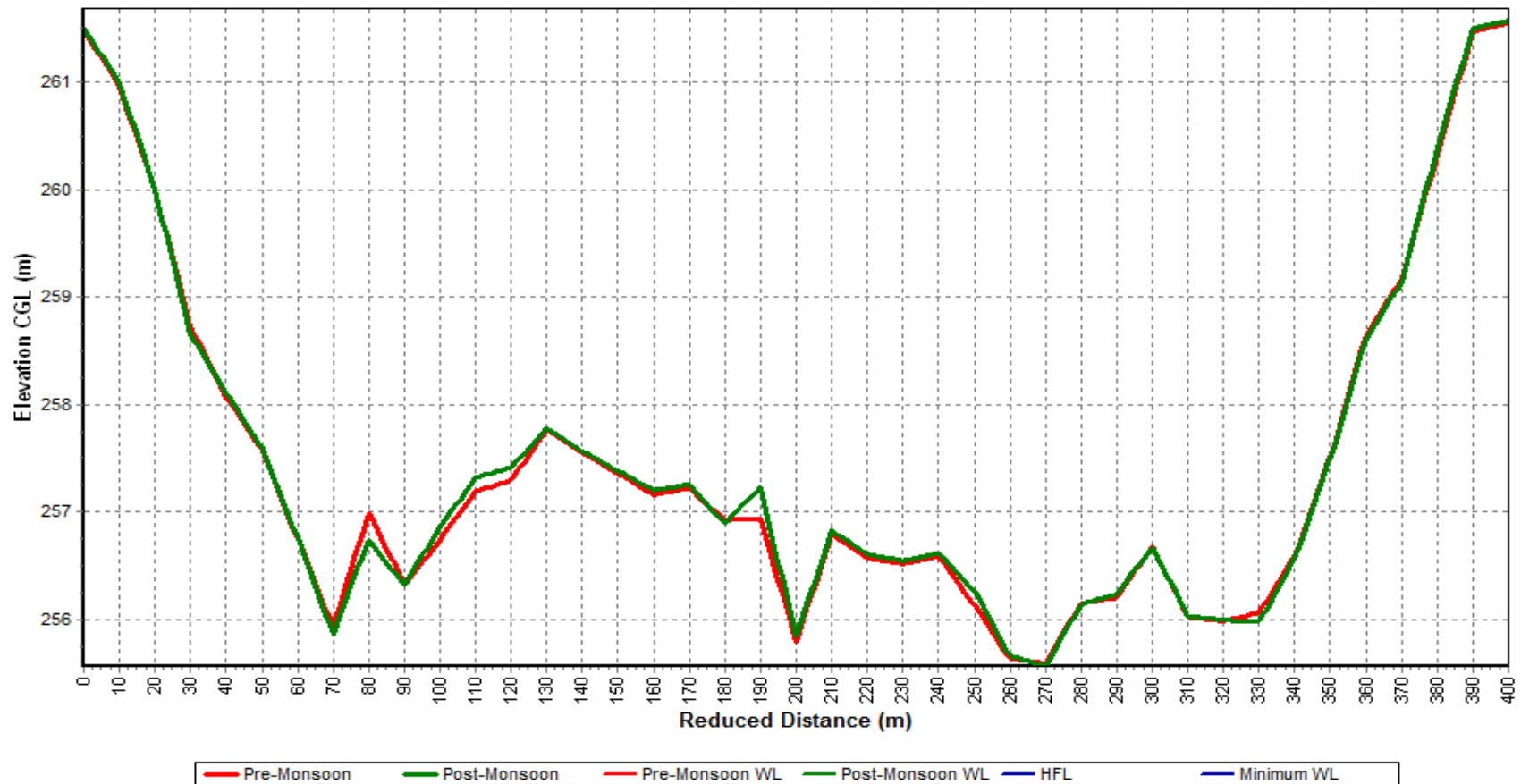
Station Name : Singavaram (APG00E4)

Local River : Chitravathi

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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HISTORY SHEET

Water Year : 2016-2017

Site : Tadipatri

Code : AP000L8

State : Andhra Pradesh

District : Anantapur

Basin : Pennar

Independent River : Pennar

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : Pennar SD, Kadapa

Drainage Area : 12482 Sq. Km.

Bank : Left

Latitude : 14°55'19"

Longitude : 78°00'59"

Zero of Gauge (m) : 227.500(m.s.l)
224.000 (m.s.l)
223.650 (m.s.l)21/08/1971 - 22/12/1975
23/12/1975 - 20/08/1979
21/08/1979

Opening Date

Closing Date

Gauge : 21/08/1971

Discharge : 12/12/1971

Sediment :

Water Quality : 01/09/1979

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1972-1973	98.20	228.280	18/09/1972	0.000	Dry Bed	01/06/1972
1973-1974	1052	229.070	26/10/1973	0.000	Dry Bed	01/06/1973
1974-1975	883.5	229.300	28/09/1974	0.000	Dry Bed	05/06/1974
1975-1976	1867	230.340	04/11/1975	0.000	Dry Bed	01/06/1975
1976-1977	309.6	225.750	24/08/1976	0.000	Dry Bed	01/06/1976
1977-1978	186.4	225.480	29/09/1977	0.000	224.100	01/06/1977
1978-1979	160.8	225.500	12/10/1978	0.000	224.440	01/06/1978
1979-1980	429.6	225.735	26/11/1979	0.000	224.000	01/06/1979
1980-1981	44.00	224.955	30/09/1980	0.000	224.200	02/06/1980
1981-1982	1409	226.870	19/09/1981	0.000	Dry Bed	01/06/1981
1982-1983	451.0	226.450	19/09/1982	0.000	Dry Bed	01/06/1982
1983-1984	100.2	225.170	24/09/1983	0.000	Dry Bed	01/06/1983
1984-1985	41.20	224.930	14/07/1984	0.000	Dry Bed	01/06/1984
1985-1986	43.60	224.915	08/10/1985	0.000	Dry Bed	01/06/1985
1986-1987	278.6	225.450	07/10/1986	0.000	Dry Bed	01/06/1986
1987-1988	96.71	225.180	31/05/1988	0.000	Dry Bed	01/06/1987
1988-1989	1378	227.180	13/09/1988	0.000	Dry Bed	02/06/1988

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1989-1990	1004	227.018	17/07/1989	0.000	Dry Bed	01/06/1989
1990-1991	29.01	224.650	17/11/1990	0.000	Dry Bed	03/06/1990
1991-1992	56.02	224.891	01/11/1991	0.000	Dry Bed	01/06/1991
1992-1993	21.51	224.624	19/11/1992	0.000	Dry Bed	01/06/1992
1993-1994	162.9	225.198	03/10/1993	0.000	Dry Bed	01/06/1993
1994-1995	52.13	224.860	10/06/1994	0.000	Dry Bed	01/06/1994
1995-1996	52.42	224.880	11/09/1995	0.000	Dry Bed	01/06/1995
1996-1997	281.0	225.950	02/10/1996	0.000	Dry Bed	01/06/1996
1997-1998	83.00	224.960	12/09/1997	0.000	Dry Bed	01/06/1997
1998-1999	335.6	225.495	12/10/1998	0.000	Dry Bed	01/06/1998
1999-2000	335.6	225.830	20/08/1999	0.000	Dry Bed	01/06/1999
2000-2001	69.15	224.545	23/08/2000	0.000	Dry Bed	01/06/2000
2001-2002	349.3	225.510	17/10/2001	0.000	Dry Bed	01/06/2001
2002-2003	0.000	Dry Bed	01/06/2002	0.000	Dry Bed	01/06/2002
2003-2004	24.60	224.070	21/10/2003	0.000	Dry Bed	01/06/2003
2004-2005	0.000	Dry Bed	01/06/2004	0.000	Dry Bed	01/06/2004
2005-2006	159.8	224.845	06/09/2005	0.000	Dry Bed	01/06/2005
2006-2007	1.378	224.150	15/11/2006	0.000	Dry Bed	01/06/2006
2007-2008	613.0	225.750	19/09/2007	0.000	Dry Bed	01/06/2007
2008-2009	50.35	224.770	29/08/2008	0.000	Dry Bed	01/06/2008
2009-2010	24.71	224.233	15/10/2009	0.000	Dry Bed	01/06/2009
2010-2011	5.173	223.555	17/07/2010	0.000	Dry Bed	01/06/2010
2011-2012	10.68	223.915	22/08/2011	0.000	Dry Bed	01/06/2011
2012-2013	19.80	224.180	26/08/2012	0.000	Dry Bed	01/06/2012
2013-2014	6.746	223.590	18/09/2013	0.000	Dry Bed	01/06/2013
2014-2015	0.000	Dry Bed	01/06/2014	0.000	Dry Bed	01/06/2014
2015-2016	0.000	Dry Bed	01/06/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : Tadipattri (AP000L8)

Division : Hydrology Division, Chennai

Local River : Pennar

Sub-Division : PSD, Kadapa

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000		0.000	DRY BED							0.000
12		0.000		0.000								0.000
13		0.000		0.000								0.000
14		0.000		0.000								0.000
15		0.000		0.000		0.000		0.000		0.000		0.000
16		0.000		0.000		0.000		0.000		0.000		0.000
17		0.000		0.000		0.000		0.000		0.000		0.000
18		0.000		0.000		0.000		0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000		0.000		0.000		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000		0.000		0.000		0.000		0.000
30		0.000		0.000		0.000		0.000		0.000		0.000
31				0.000		0.000				0.000		
Ten-Daily Mean												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
Monthly												
Min.		0.000		0.000		0.000		0.000		0.000		0.000
Max.		0.000		0.000		0.000		0.000		0.000		0.000
Mean		0		0		0		0		0		0

Annual Runoff in MCM = 0 Annual Runoff in mm = 0

Peak Observed Discharge = 0.000 cumecs on 01/06/2016

Lowest Observed Discharge = 0.000 cumecs on 01/06/2016

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2016 - 2017

Station Name : Tadipattri (AP000L8)

Division : Hydrology Division, Chennai

Local River : Pennar

Sub-Division : PSD, Kadapa

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000		0.000	DRY BED							0.000
12		0.000		0.000								0.000
13		0.000		0.000								0.000
14		0.000		0.000								0.000
15		0.000		0.000		0.000		0.000		0.000		0.000
16		0.000		0.000		0.000		0.000		0.000		0.000
17		0.000		0.000		0.000		0.000		0.000		0.000
18		0.000		0.000		0.000		0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000		0.000		0.000		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000				0.000		0.000		0.000
30		0.000		0.000				0.000		0.000		0.000
31		0.000		0.000				0.000				0.000
Ten-Daily Mean												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
Monthly												
Min.		0.000		0.000		0.000		0.000		0.000		0.000
Max.		0.000		0.000		0.000		0.000		0.000		0.000
Mean		0		0		0		0		0		0

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017

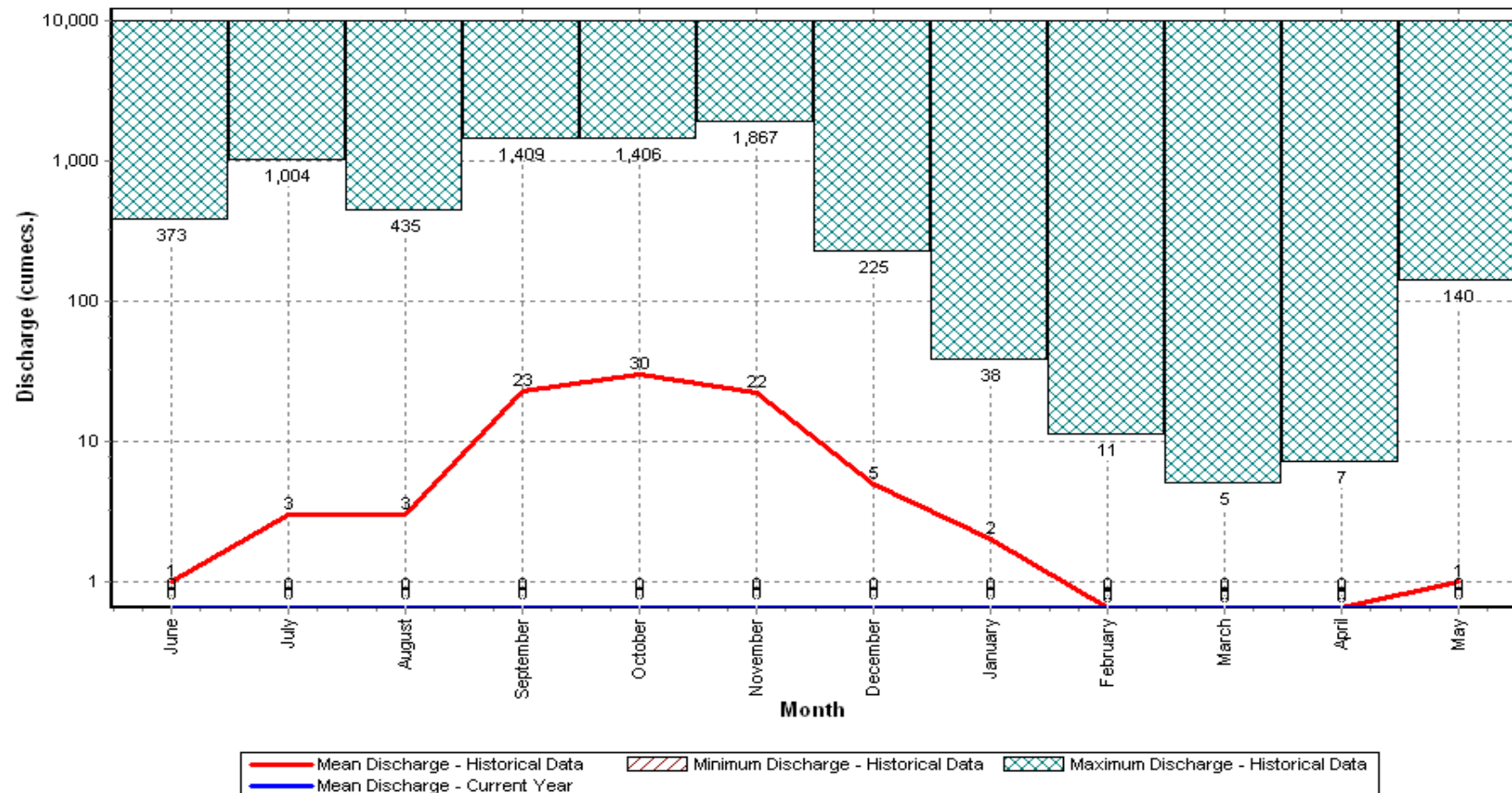
Station Name : Tadipattri (AP000L8)

Data considered : 1972-2017

Division : Hydrology Division, Chennai

Local River : Pennar

Sub-Division : PSD, Kadapa



Annual Runoff Values for the period: 1972 - 2017

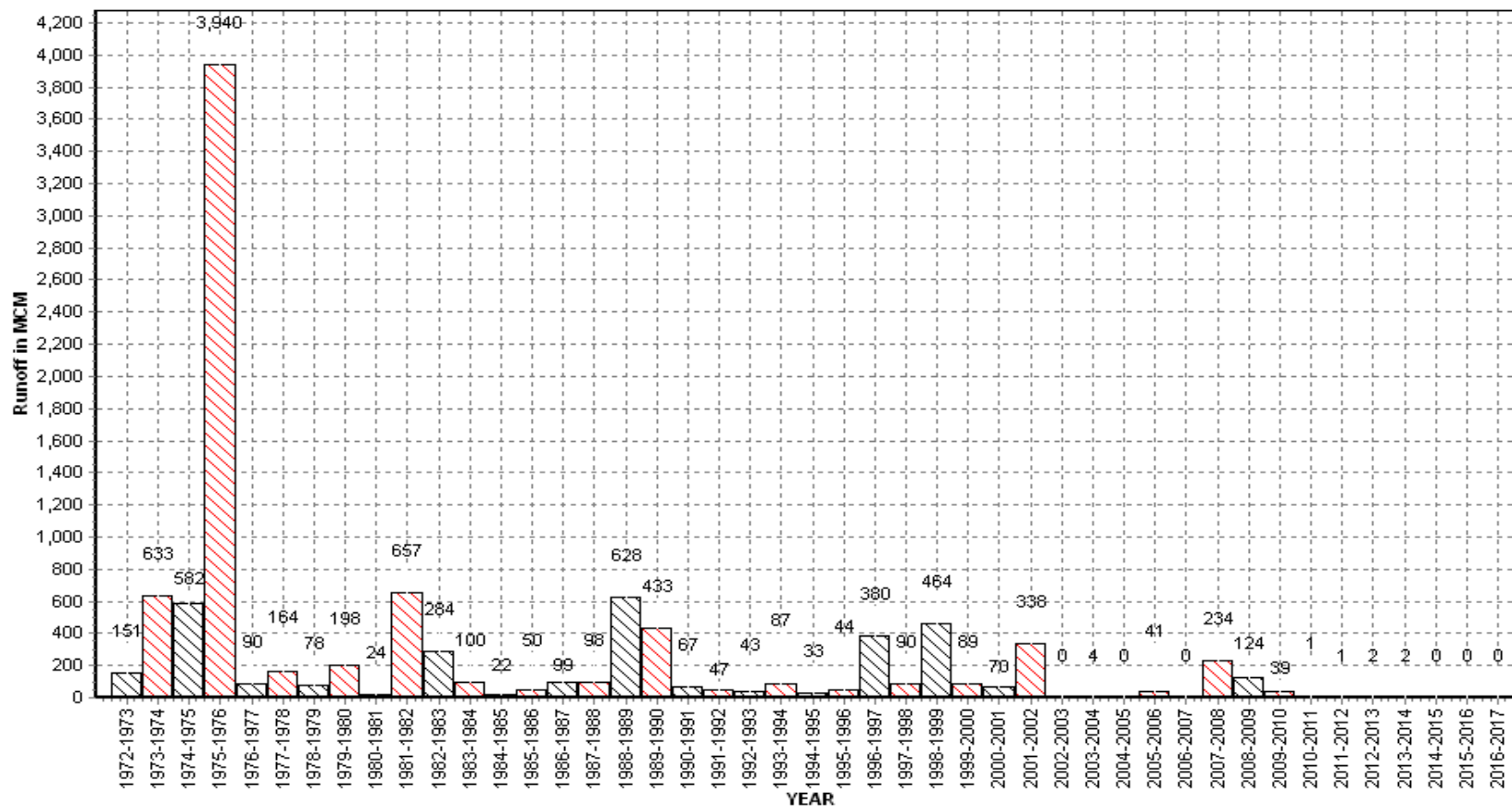
Station Name : Tadipattri (AP000L8)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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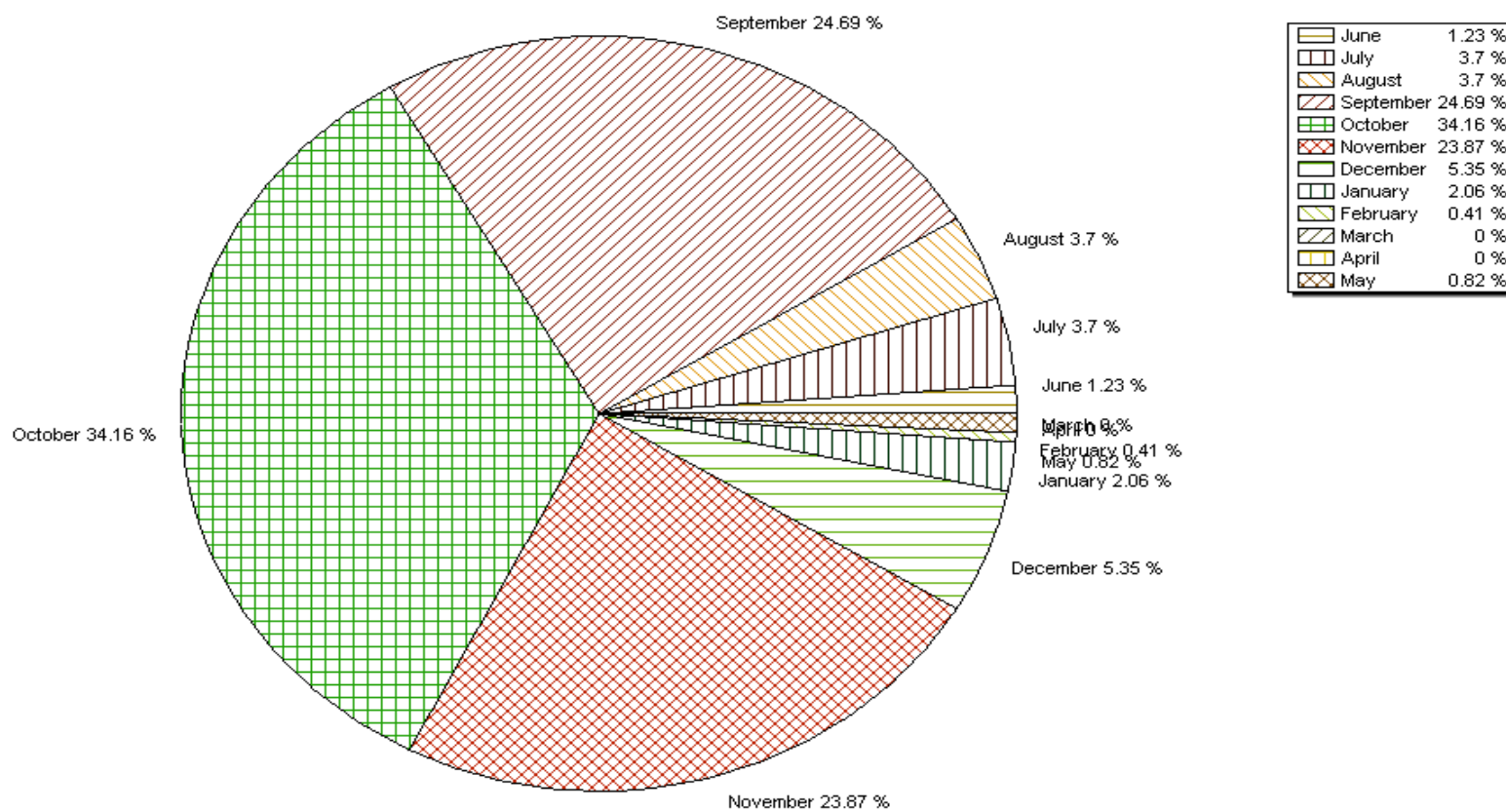


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Tadipattri (AP000L8)
Local River : Pennar

Monthly Average Runoff based on period : 1972-2016

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

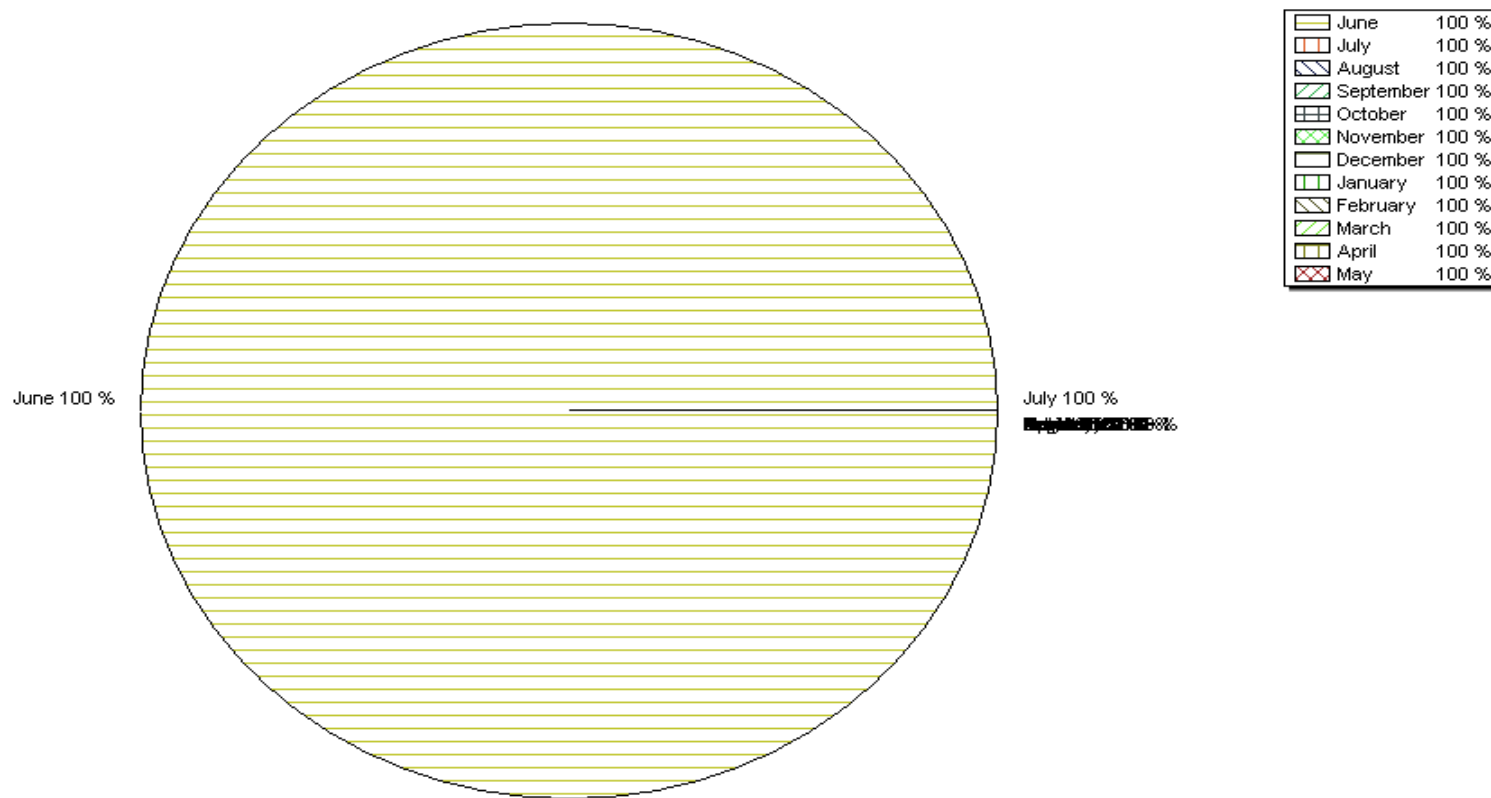


Station Name : Tadipattri (AP000L8)
Local River : Pennar

Monthly Runoff for the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

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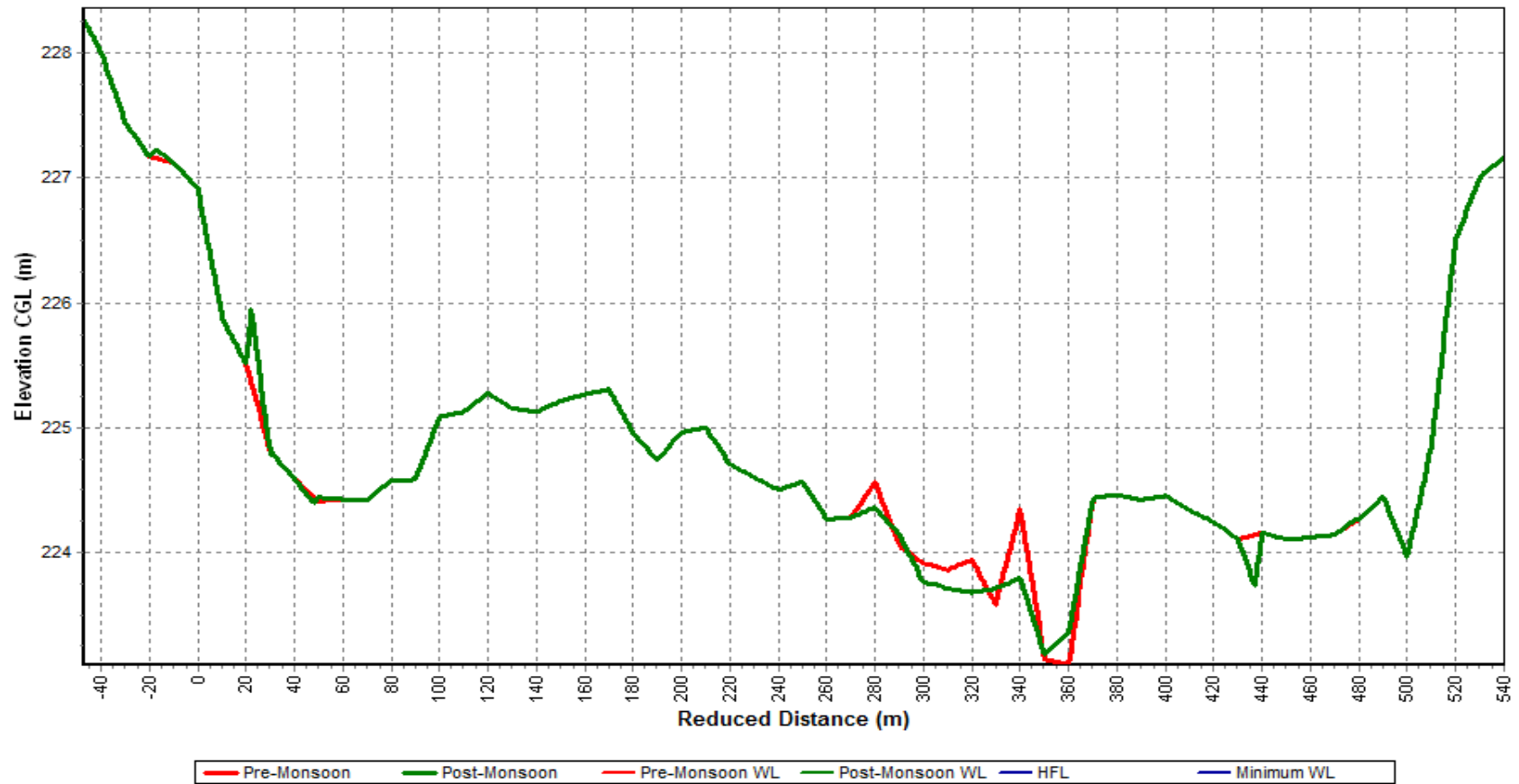
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : Tadipattri (AP000L8)

Local River :

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa



HISTORY SHEET

Water Year : 2016-2017

Site : Nagalamedike

Code : AP000V5

State : Karnataka

District : Tumkur

Basin : Pennar

Independent River : Pennar

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : Pennar SD, Kadapa

Drainage Area : 5050 Sq. Km.

Bank : Left

Latitude : 14°11'20"

Longitude : 77°22'20"

Zero of Gauge (m) : 544.550 (m.s.l)

07/02/1978

Opening Date

Closing Date

Gauge : 07/02/1978

Discharge : 17/07/1978

Sediment :

Water Quality : 01/06/1980

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1979-1980	32.59	546.578	14/09/1979	0.000	Dry Bed	01/09/1979
1980-1981	5.860	546.295	16/11/1980	0.000	546.290	01/06/1980
1981-1982	440.0	548.150	19/09/1981	0.000	Dry Bed	01/06/1981
1982-1983	6.300	546.220	21/09/1982	0.000	Dry Bed	01/06/1982
1983-1984	35.30	546.490	11/09/1983	0.000	Dry Bed	01/06/1983
1984-1985	6.000	546.230	21/09/1984	0.000	Dry Bed	01/06/1984
1985-1986	0.000	Dry Bed	01/06/1985	0.000	Dry Bed	01/06/1985
1986-1987	19.40	546.590	07/10/1986	0.000	Dry Bed	01/06/1986
1987-1988	60.81	546.705	10/10/1987	0.000	Dry Bed	01/06/1987
1988-1989	966.6	549.545	12/09/1988	0.000	545.880	04/06/1988
1989-1990	63.00	546.600	23/09/1989	0.000	Dry Bed	01/06/1989
1990-1991	4.293	545.810	16/11/1990	0.000	545.580	01/06/1990
1991-1992	763.6	548.820	31/10/1991	0.000	Dry Bed	01/06/1991
1992-1993	0.000	Dry Bed	01/06/1992	0.000	Dry Bed	01/06/1992
1993-1994	7.058	545.632	30/08/1993	0.000	Dry Bed	01/06/1993
1994-1995	5.102	545.600	29/10/1994	0.000	Dry Bed	01/06/1994
1995-1996	0.000	Dry Bed	01/06/1995	0.000	Dry Bed	01/06/1995
1996-1997	1.520	545.560	26/09/1996	0.000	Dry Bed	01/06/1996
1997-1998	2.100	545.650	16/12/1997	0.000	Dry Bed	01/06/1997

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1998-1999	37.09	546.170	30/09/1998	0.000	Dry Bed	01/06/1998
1999-2000	18.60	545.980	27/02/2000	0.000	Dry Bed	01/06/1999
2000-2001	6.048	545.740	23/10/2000	0.000	Dry Bed	01/06/2000
2001-2002	87.70	546.480	25/09/2001	0.000	Dry Bed	01/06/2001
2002-2003	154.1	546.755	17/09/2002	0.000	Dry Bed	01/06/2002
2003-2004	0.000	Dry Bed	01/06/2003	0.000	Dry Bed	01/06/2003
2004-2005	0.000	Dry Bed	01/06/2004	0.000	Dry Bed	01/06/2004
2005-2006	0.000	Dry Bed	01/06/2005	0.000	Dry Bed	01/06/2005
2006-2007	0.000	Dry Bed	01/06/2006	0.000	Dry Bed	01/06/2006
2007-2008	0.000	Dry Bed	01/06/2007	0.000	Dry Bed	01/06/2007
2008-2009	48.58	546.240	09/09/2008	0.000	Dry Bed	01/06/2008
2009-2010	0.000	Dry Bed	01/06/2009	0.000	Dry Bed	01/06/2009
2010-2011	0.000	Dry Bed	01/06/2010	0.000	Dry Bed	01/06/2010
2011-2012	0.000	Dry Bed	01/06/2011	0.000	Dry Bed	01/06/2011
2012-2013	0.000	Dry Bed	01/06/2012	0.000	Dry Bed	01/06/2012
2013-2014	18.33	546.040	13/09/2013	0.000	Dry Bed	01/06/2013
2014-2015	0.000	Dry Bed	01/06/2014	0.000	Dry Bed	01/06/2014
2015-2016	0.000	Dry Bed	01/06/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : Nagalamedike (AP000V5)

Division : Hydrology Division, Chennai

Local River : Pennar

Sub-Division : PSD, Kadapa

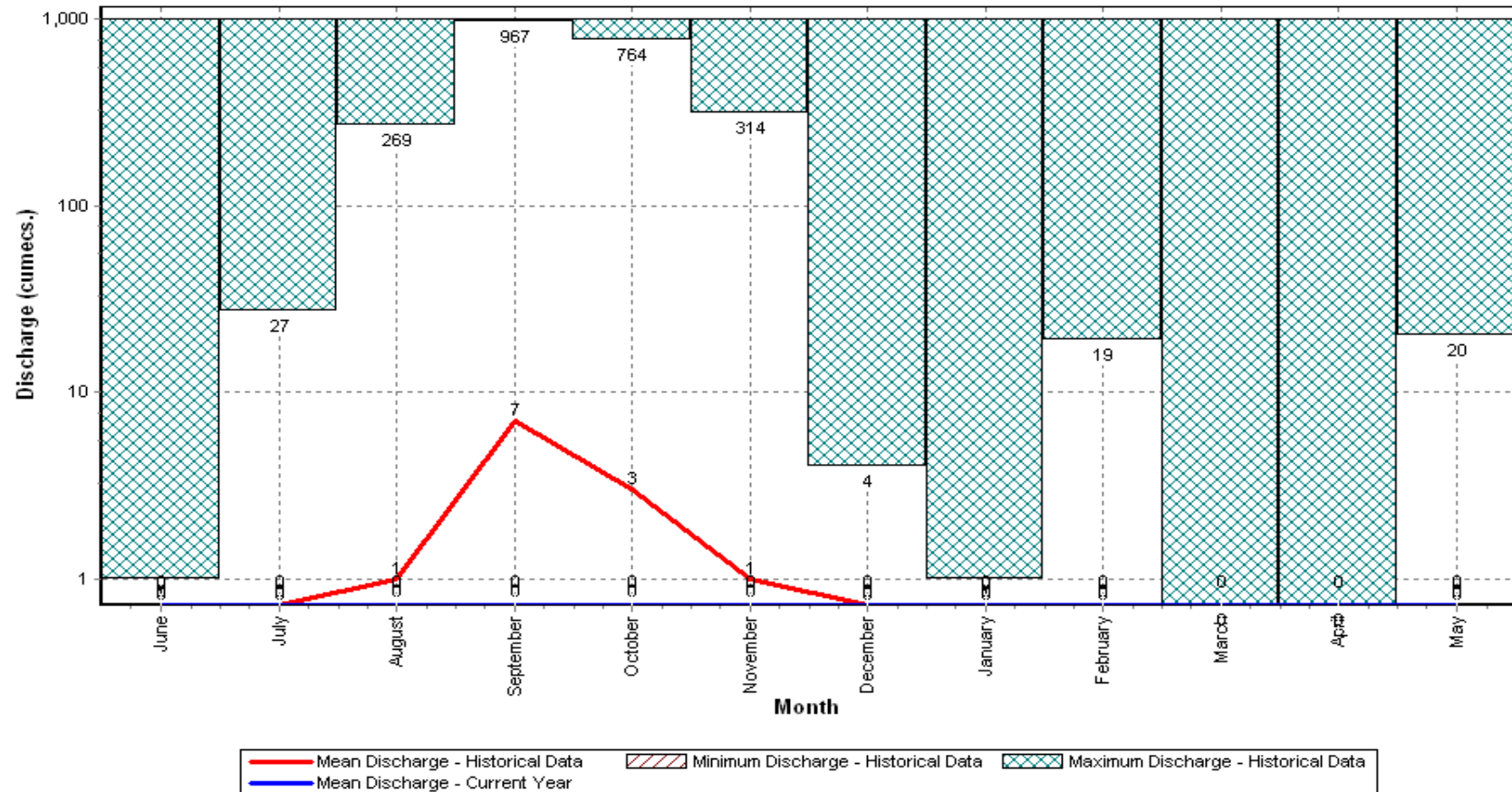
Day	Dec		Jan		Feb		Mar		Apr		May		
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q	
1		0.000		0.000		0.000		0.000		0.000		0.000	
2		0.000		0.000		0.000		0.000		0.000		0.000	
3		0.000		0.000		0.000		0.000		0.000		0.000	
4		0.000		0.000		0.000		0.000		0.000		0.000	
5		0.000		0.000		0.000		0.000		0.000		0.000	
6		0.000		0.000		0.000		0.000		0.000		0.000	
7		0.000		0.000		0.000		0.000		0.000		0.000	
8		0.000		0.000		0.000		0.000		0.000		0.000	
9		0.000		0.000		0.000		0.000		0.000		0.000	
10		0.000		0.000		0.000		0.000		0.000		0.000	
11		0.000	DRY BED								0.000		0.000
12		0.000									0.000		0.000
13		0.000									0.000		0.000
14		0.000		0.000		0.000		0.000		0.000		0.000	
15		0.000		0.000		0.000		0.000		0.000		0.000	
16		0.000		0.000		0.000		0.000		0.000		0.000	
17		0.000		0.000		0.000		0.000		0.000		0.000	
18		0.000		0.000		0.000		0.000		0.000		0.000	
19		0.000		0.000		0.000		0.000		0.000		0.000	
20		0.000		0.000		0.000		0.000		0.000		0.000	
21		0.000		0.000		0.000		0.000		0.000		0.000	
22		0.000		0.000		0.000		0.000		0.000		0.000	
23		0.000		0.000		0.000		0.000		0.000		0.000	
24		0.000		0.000		0.000		0.000		0.000		0.000	
25		0.000		0.000		0.000		0.000		0.000		0.000	
26		0.000		0.000		0.000		0.000		0.000		0.000	
27		0.000		0.000		0.000		0.000		0.000		0.000	
28		0.000		0.000		0.000		0.000		0.000		0.000	
29		0.000		0.000				0.000		0.000		0.000	
30		0.000		0.000				0.000		0.000		0.000	
31		0.000		0.000				0.000				0.000	
Ten-Daily Mean													
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000	
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000	
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000	
Monthly													
Min.		0.000		0.000		0.000		0.000		0.000		0.000	
Max.		0.000		0.000		0.000		0.000		0.000		0.000	
Mean		0		0		0		0		0		0	

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017

Station Name : Nagalamedike (AP000V5)
Local River : Pennar

Data considered : 1979-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



Annual Runoff Values for the period: 1979 - 2017

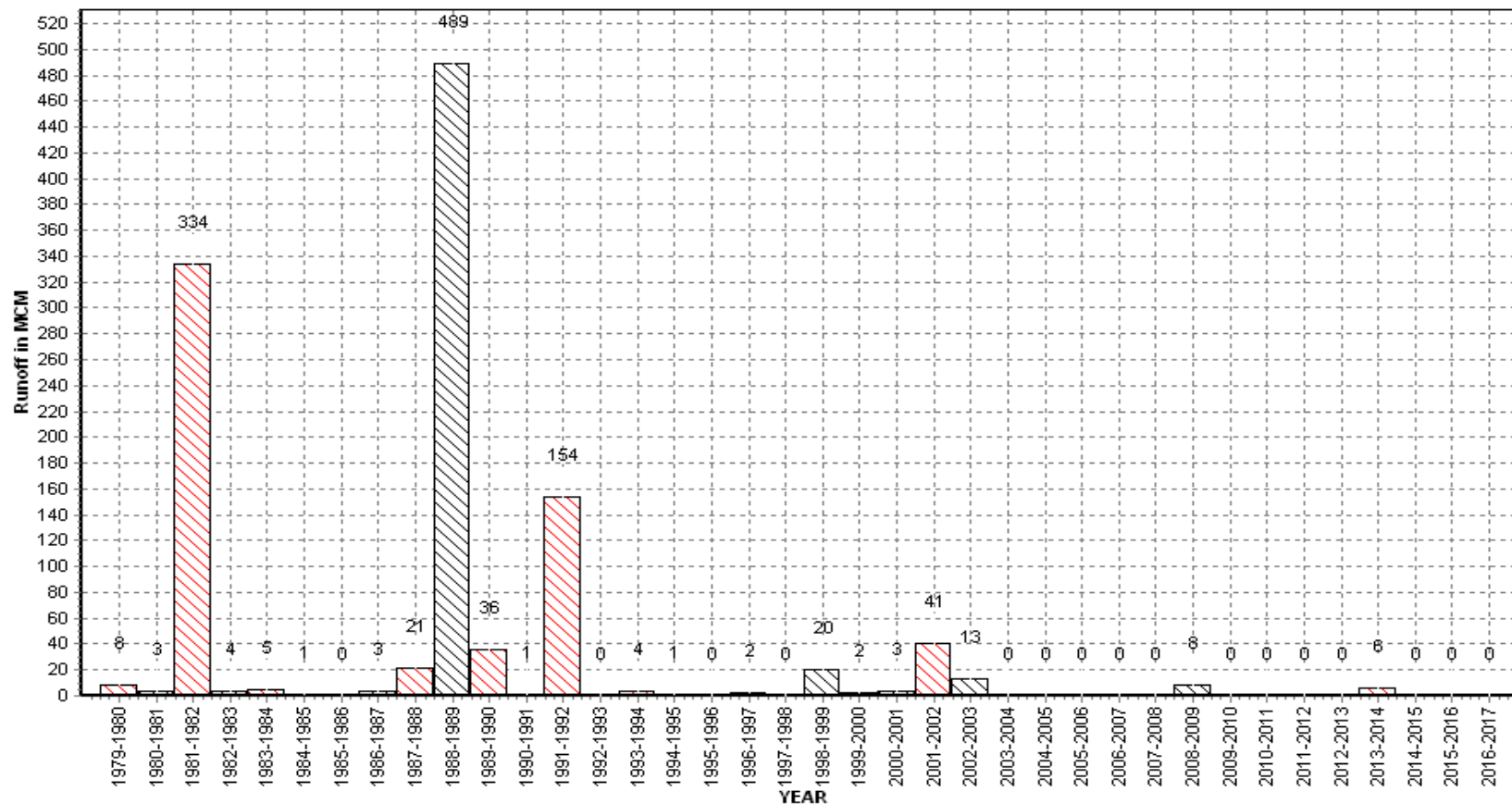
Station Name : Nagalamedike (AP000V5)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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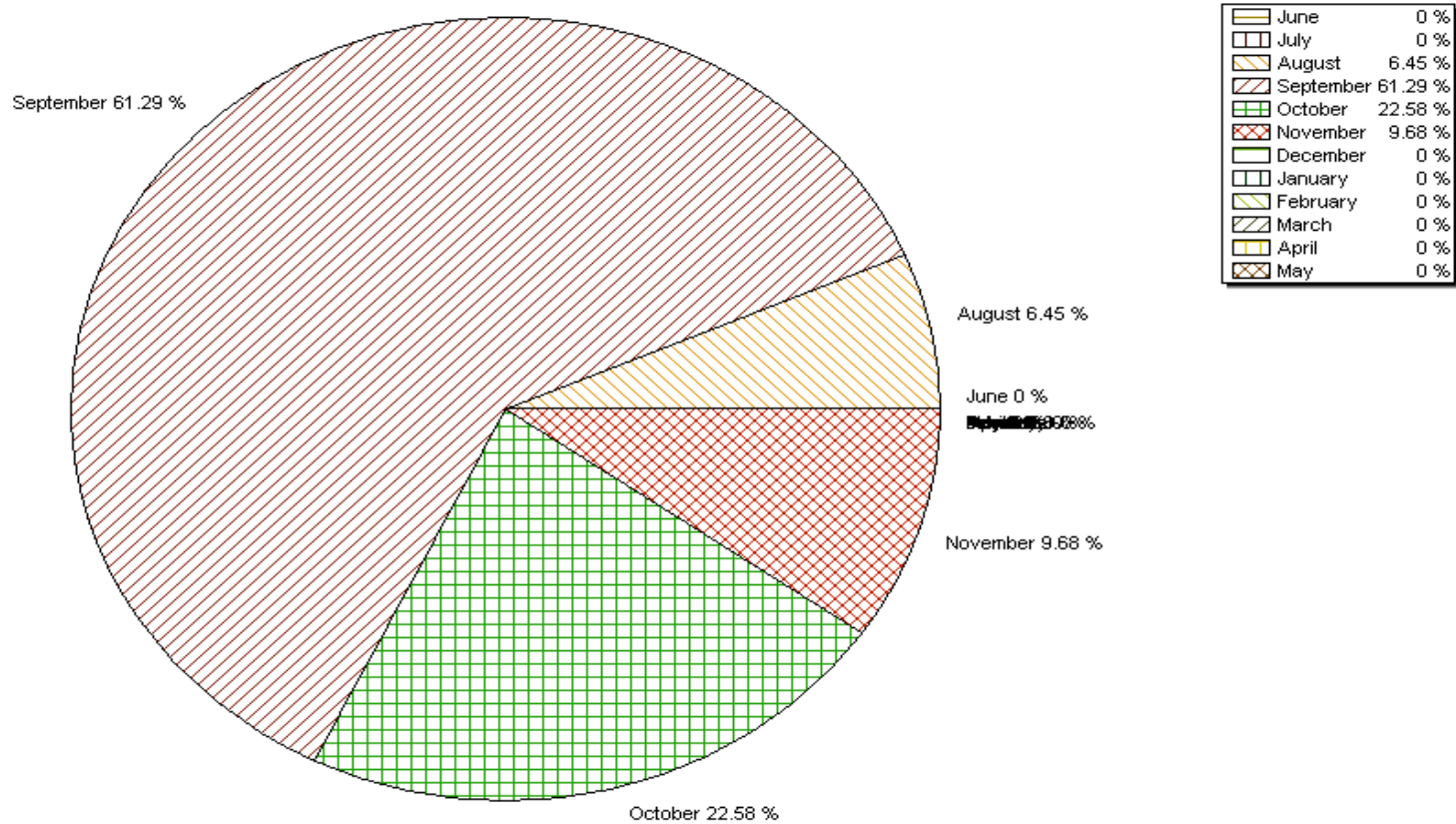


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Nagalamedike (AP000V5)
Local River : Pennar

Monthly Average Runoff based on period : 1979-2016

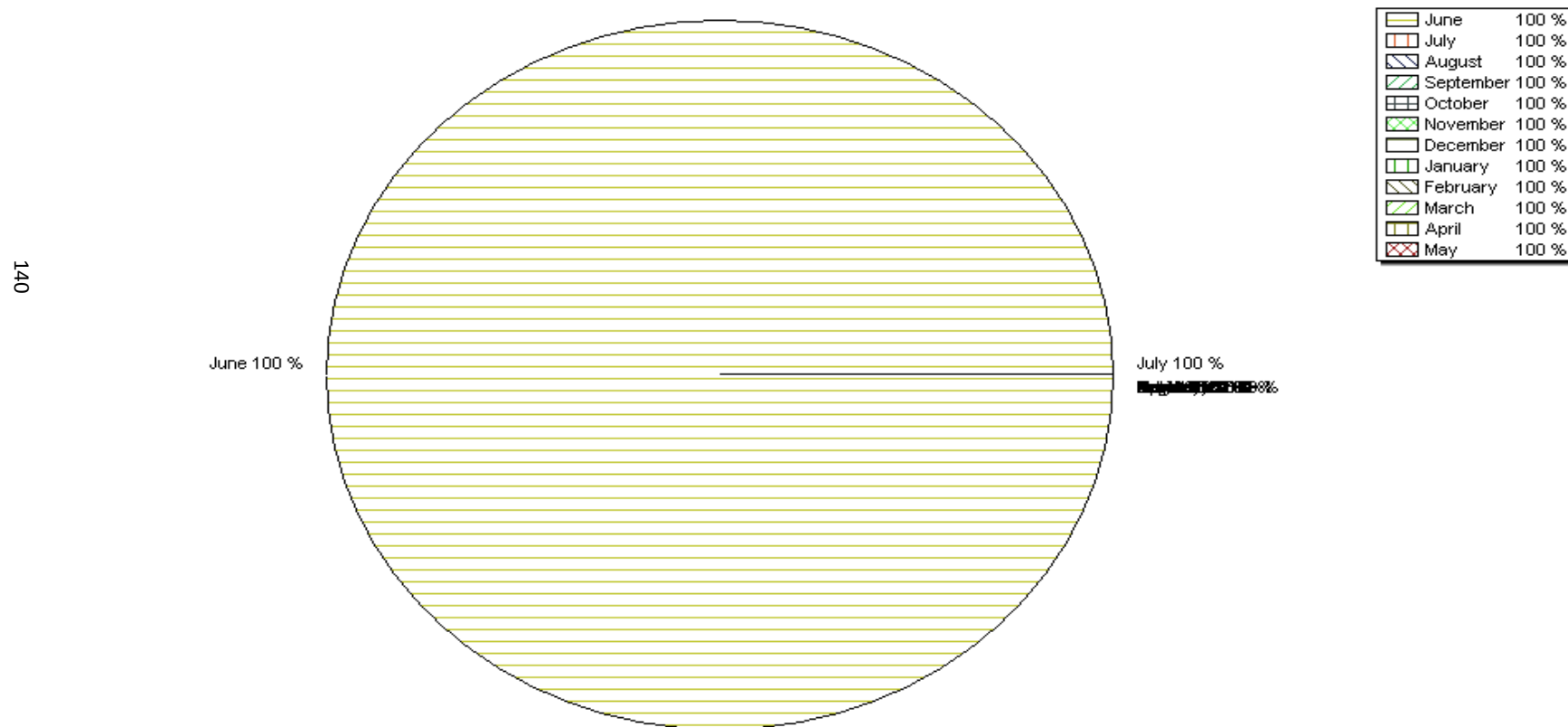
Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



Station Name : Nagalamedike (AP000V5)
Local River : Pennar

Monthly Runoff for the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

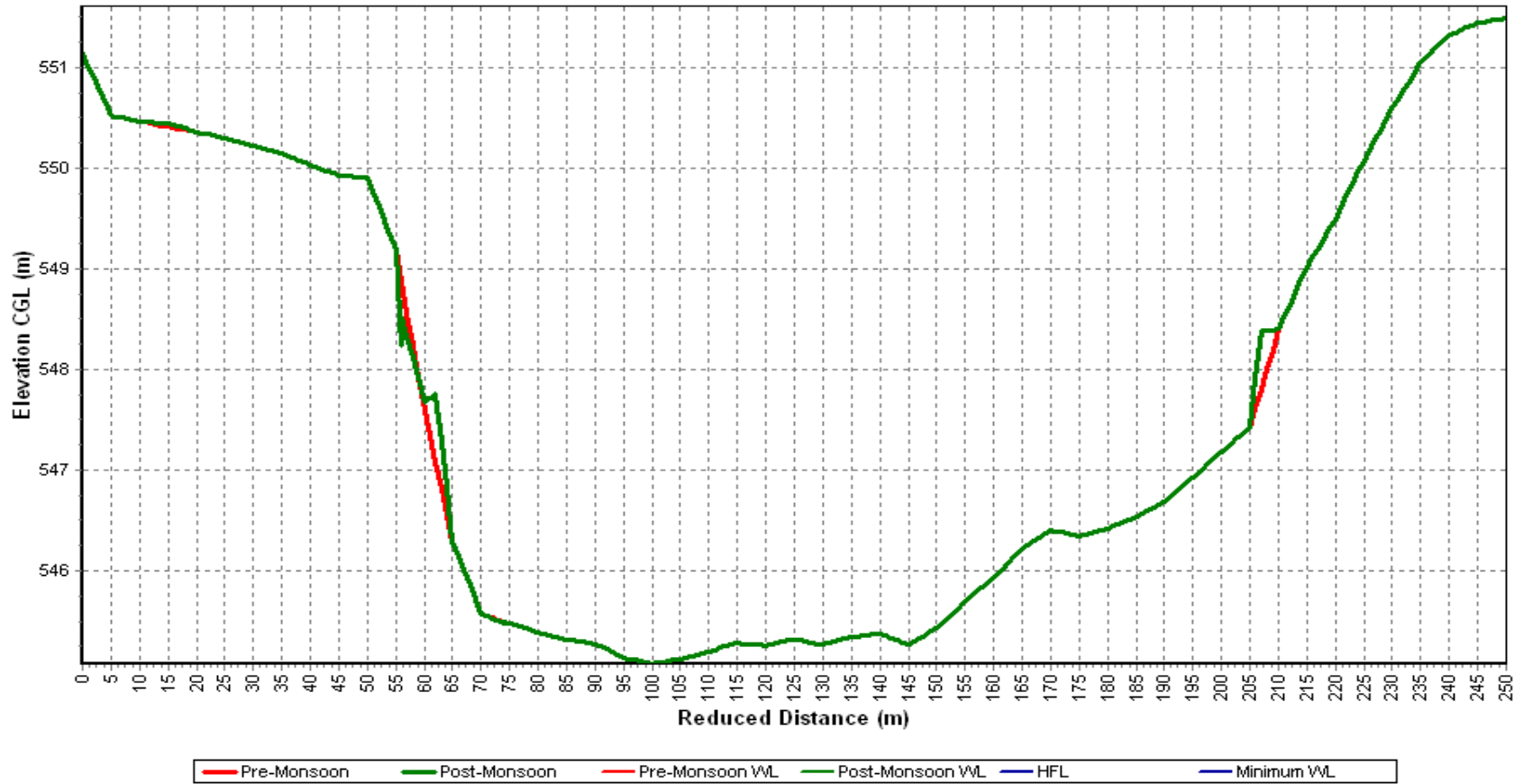
Station Name : Nagalamedike (AP000V5)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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HISTORY SHEET

Water Year : 2016-2017

Site : Naidupeta

Code : AC000G4

State : Andhra Pradesh

District : Nellore

Basin : EFR B Pennar-Cauvery

Independent River : Swarnamukhi

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Swarnamukhi

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

Drainage Area : 2650 Sq. Km.

Bank : Left

Latitude : 13°56'54"

Longitude : 79°53'46"

Zero of Gauge (m) : 42.000(m.s.l)Arb
20.130 (m.s.l)14/10/1977 - 31/05/1980
01/06/1980

Opening Date

Closing Date

Gauge : 14/10/1977

Discharge : 01/12/1978

Sediment : 22/10/2013

Water Quality : 01/12/1980

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1979-1980	293.3	44.340	26/11/1979	0.000	Dry Bed	01/06/1979
1980-1981	1439	24.255	16/11/1980	0.000	Dry Bed	01/06/1980
1981-1982	333.0	22.707	03/12/1981	0.000	Dry Bed	01/06/1981
1982-1983	148.7	22.205	19/10/1982	0.000	Dry Bed	01/06/1982
1983-1984	1772	24.530	14/02/1984	0.000	Dry Bed	01/06/1983
1984-1985	2525	25.950	14/11/1984	0.000	Dry Bed	01/06/1984
1985-1986	657.6	23.290	14/11/1985	0.000	Dry Bed	01/06/1985
1986-1987	184.6	22.155	07/11/1986	0.000	Dry Bed	01/06/1986
1987-1988	221.2	22.320	11/12/1987	0.000	Dry Bed	01/06/1987
1988-1989	213.4	22.310	08/11/1988	0.000	Dry Bed	01/06/1988
1989-1990	728.4	23.330	02/12/1989	0.000	Dry Bed	01/06/1989
1990-1991	935.8	23.410	15/11/1990	0.000	20.540	01/06/1990
1991-1992	1876	24.884	15/11/1991	0.000	Dry Bed	01/06/1991
1992-1993	221.4	22.262	15/11/1992	0.000	Dry Bed	01/06/1992
1993-1994	1354	23.966	10/11/1993	0.000	Dry Bed	01/06/1993
1994-1995	180.5	22.030	08/05/1995	0.000	Dry Bed	01/06/1994
1995-1996	61.00	21.730	25/10/1995	0.000	Dry Bed	01/06/1995
1996-1997	1390	24.530	13/12/1996	0.000	Dry Bed	01/06/1996

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1997-1998	528.0	23.180	07/12/1997	0.000	Dry Bed	01/06/1997
1998-1999	388.0	22.580	07/11/1998	0.000	Dry Bed	01/06/1998
1999-2000	91.63	21.865	23/11/1999	0.000	Dry Bed	01/06/1999
2000-2001	43.50	21.790	04/12/2000	0.000	Dry Bed	01/06/2000
2001-2002	253.6	22.800	17/10/2001	0.000	Dry Bed	01/06/2001
2002-2003	54.97	21.630	11/11/2002	0.000	Dry Bed	01/06/2002
2003-2004	0.000	Dry Bed	01/06/2003	0.000	Dry Bed	01/06/2003
2004-2005	18.29	21.360	08/11/2004	0.000	Dry Bed	01/06/2004
2005-2006	777.4	24.680	03/12/2005	0.000	Dry Bed	01/06/2005
2006-2007	55.32	22.300	21/11/2006	0.000	Dry Bed	01/06/2006
2007-2008	1480	23.980	20/12/2007	0.000	Dry Bed	01/06/2007
2008-2009	612.6	23.310	28/11/2008	0.000	Dry Bed	01/06/2008
2009-2010	26.00	21.230	18/12/2009	0.000	Dry Bed	01/06/2009
2010-2011	299.7	22.435	18/11/2010	0.000	Dry Bed	01/06/2010
2011-2012	324.3	22.210	28/11/2011	0.000	Dry Bed	01/06/2011
2012-2013	362.7	22.740	06/12/2012	0.000	Dry Bed	01/06/2012
2013-2014	29.51	21.400	05/11/2013	0.000	Dry Bed	01/06/2013
2014-2015	13.54	21.190	17/12/2014	0.000	Dry Bed	01/06/2014
2015-2016	1100	24.095	17/11/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : Naidupeta (AC000G4)

Division : Hydrology Division, Chennai

Local River : Swarnamukhi

Sub-Division : PPSD, Chennai

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1		0.000		0.000		0.000	20.530	1.632		0.000		0.000
2		0.000		0.000		0.000	20.510	1.438		0.000		0.000
3		0.000		0.000		0.000	20.490	1.239 #		0.000		0.000
4		0.000		0.000		0.000	20.480	0.000		0.000		0.000
5		0.000		0.000		0.000	20.470	0.000		0.000		0.000
6		0.000		0.000		0.000	20.470	0.000		0.000		0.000
7		0.000		0.000		0.000	20.440	0.000		0.000		0.000
8		0.000		0.000		0.000	20.440	0.000		0.000		0.000
9		0.000		0.000		0.000	20.430	0.000		0.000		0.000
10		0.000		0.000		0.000	20.410	0.000		0.000		0.000
11		0.000		0.000		0.000	20.390	0.000		0.000		0.000
12		0.000		0.000		0.000	20.330	0.000		0.000		0.000
13		0.000		0.000		0.000		0.000		0.000		0.000
14		0.000		0.000		0.000		0.000		0.000		0.000
15		0.000		0.000		0.000		0.000		0.000		0.000
16		0.000		0.000		0.000		0.000		0.000		0.000
17		0.000		0.000		0.000		0.000		0.000		0.000
18		0.000		0.000		0.000		0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000	20.630	2.852		0.000		0.000		0.000
23		0.000		0.000	20.620	2.819		0.000		0.000		0.000
24		0.000		0.000	20.610	2.650		0.000		0.000		0.000
25		0.000		0.000	20.600	2.500		0.000		0.000		0.000
26		0.000		0.000	20.590	2.400		0.000		0.000		0.000
27		0.000		0.000	20.570	2.133		0.000		0.000		0.000
28		0.000		0.000	20.560	1.949		0.000		0.000		0.000
29		0.000		0.000				0.000		0.000		0.000
30		0.000		0.000				0.000		0.000		0.000
31		0.000		0.000				0.000				0.000
<u>Ten-Daily Mean</u>												
I Ten-Daily		0.000		0.000		0.000	20.467	0.431		0.000		0.000
II Ten-Daily		0.000		0.000		0.000	20.360	0.000		0.000		0.000
III Ten-Daily		0.000		0.000	20.597	2.163		0.000		0.000		0.000
<u>Monthly</u>												
Min.		0.000		0.000	20.560	0.000	20.330	0.000		0.000		0.000
Max.		0.000		0.000	20.630	2.852	20.530	1.632		0.000		0.000
Mean		0		0	20.597	0.618	20.449	0.139		0		0

Peak Computed Discharge = 1.239 cumecs on 03/03/2017

Corres. Water Level :20.49 m

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

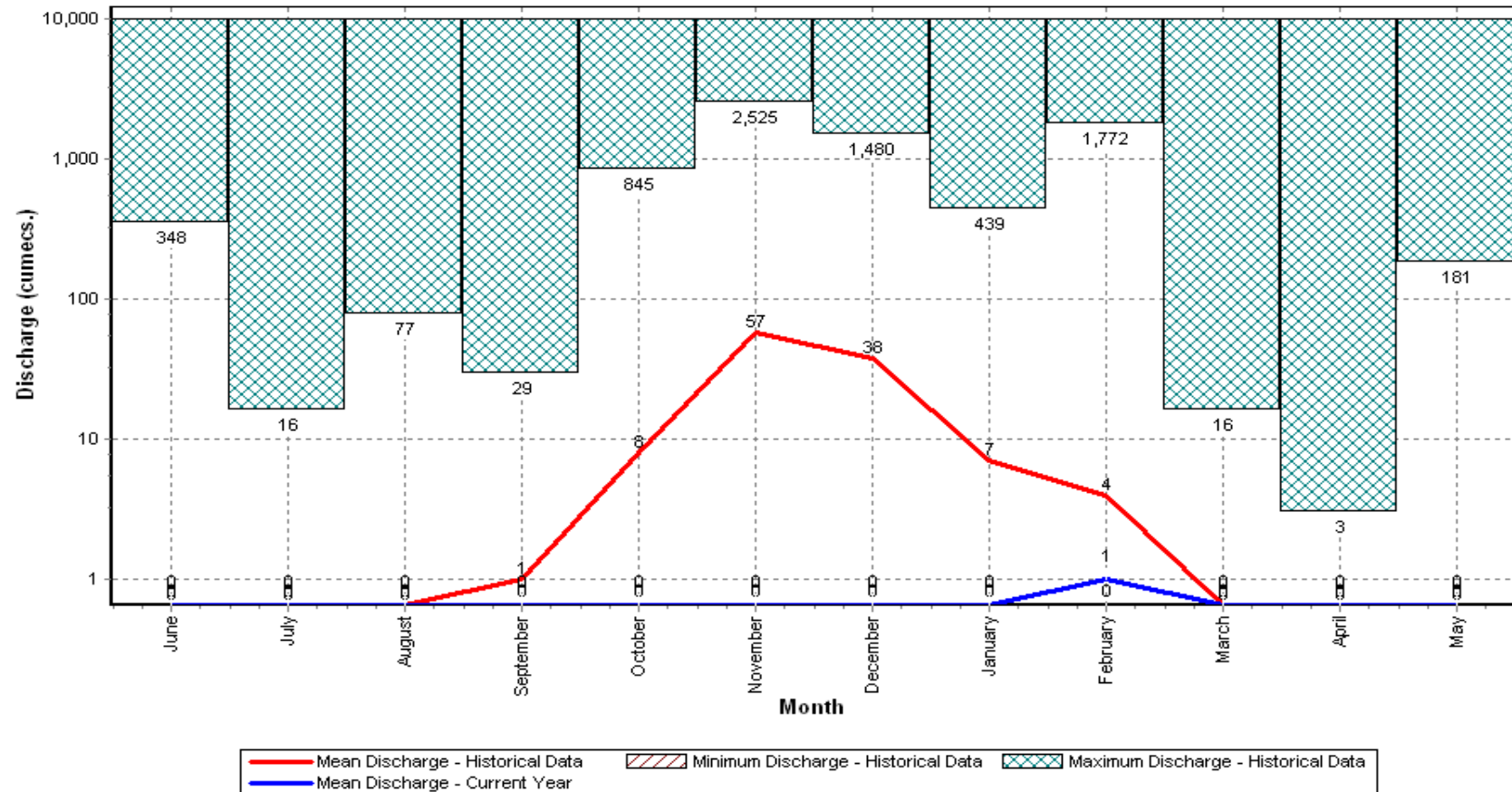
#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Station Name : Naidupeta (AC000G4)
Local River : Swarnamukhi

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017
Data considered : 1979-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai



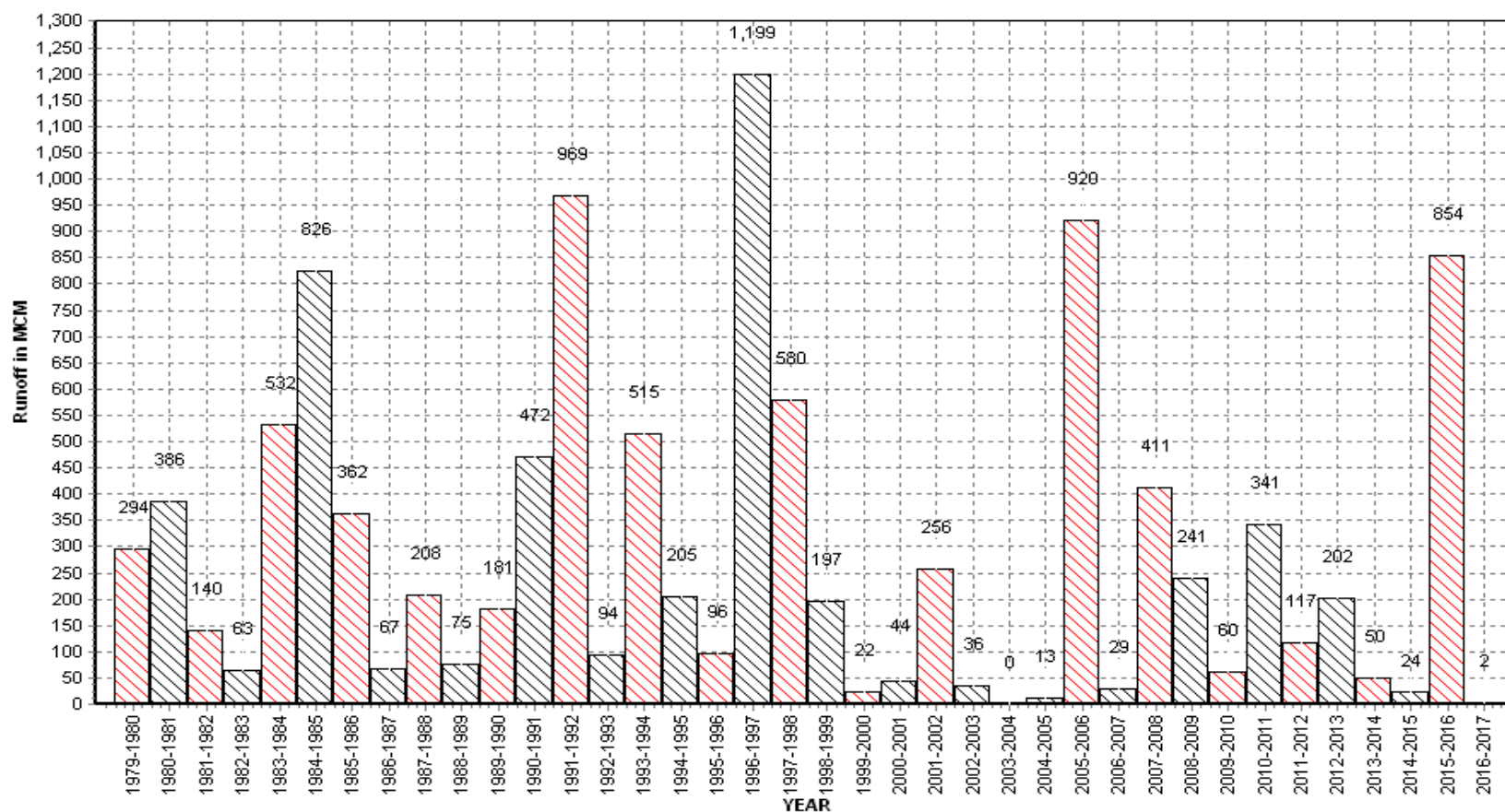
Annual Runoff Values for the period: 1979 - 2017

Station Name : Naidupeta (AC000G4)

Local River : Swarnamukhi

Division : Hydrology Division, Chennai

Sub-Division : PPSPD, Chennai

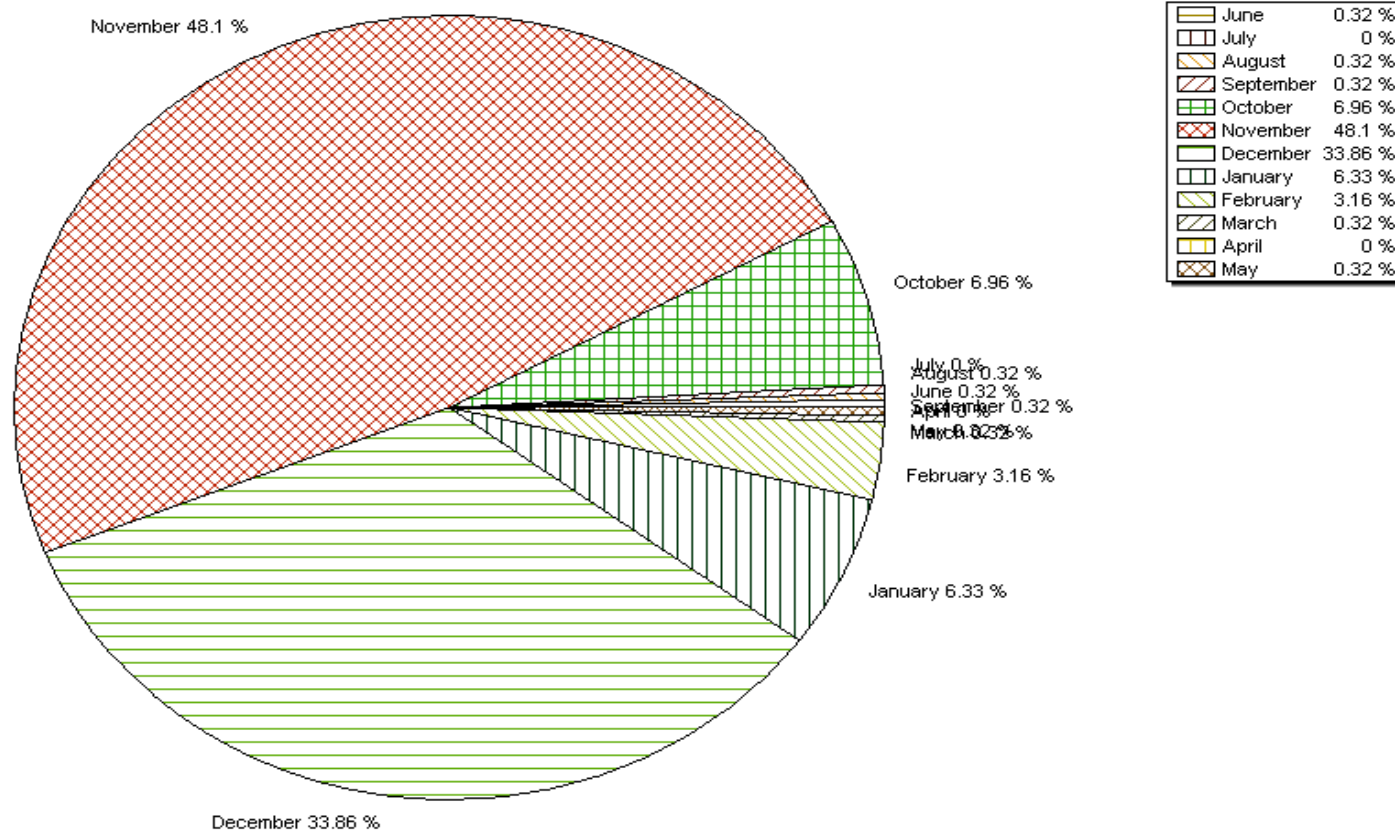


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Naidupeta (AC000G4)
Local River : Swarnamukhi

Monthly Average Runoff based on period : 1979-2016

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai

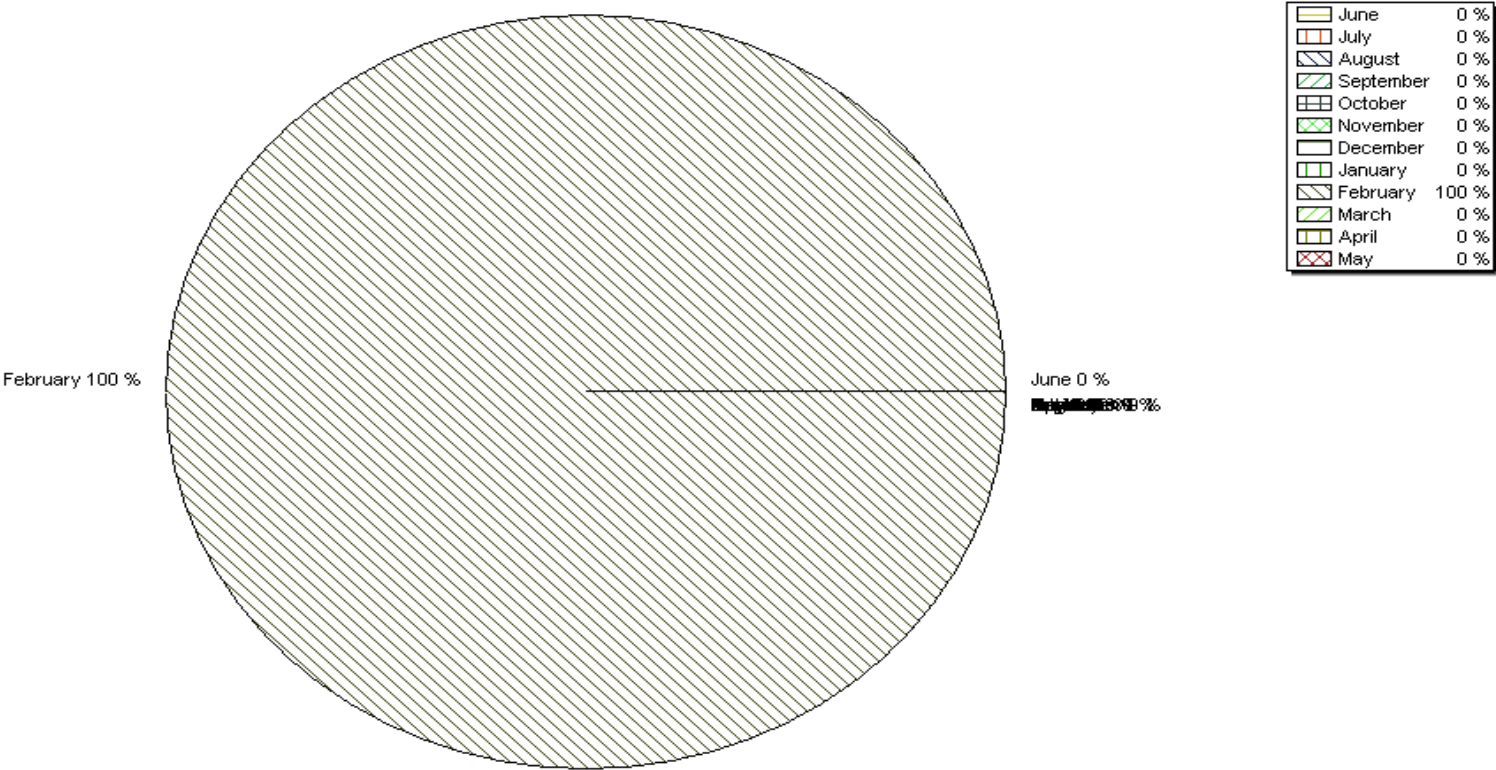


Station Name : Naidupeta (AC000G4)
Local River : Swarnamukhi

Monthly Runoff for the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai

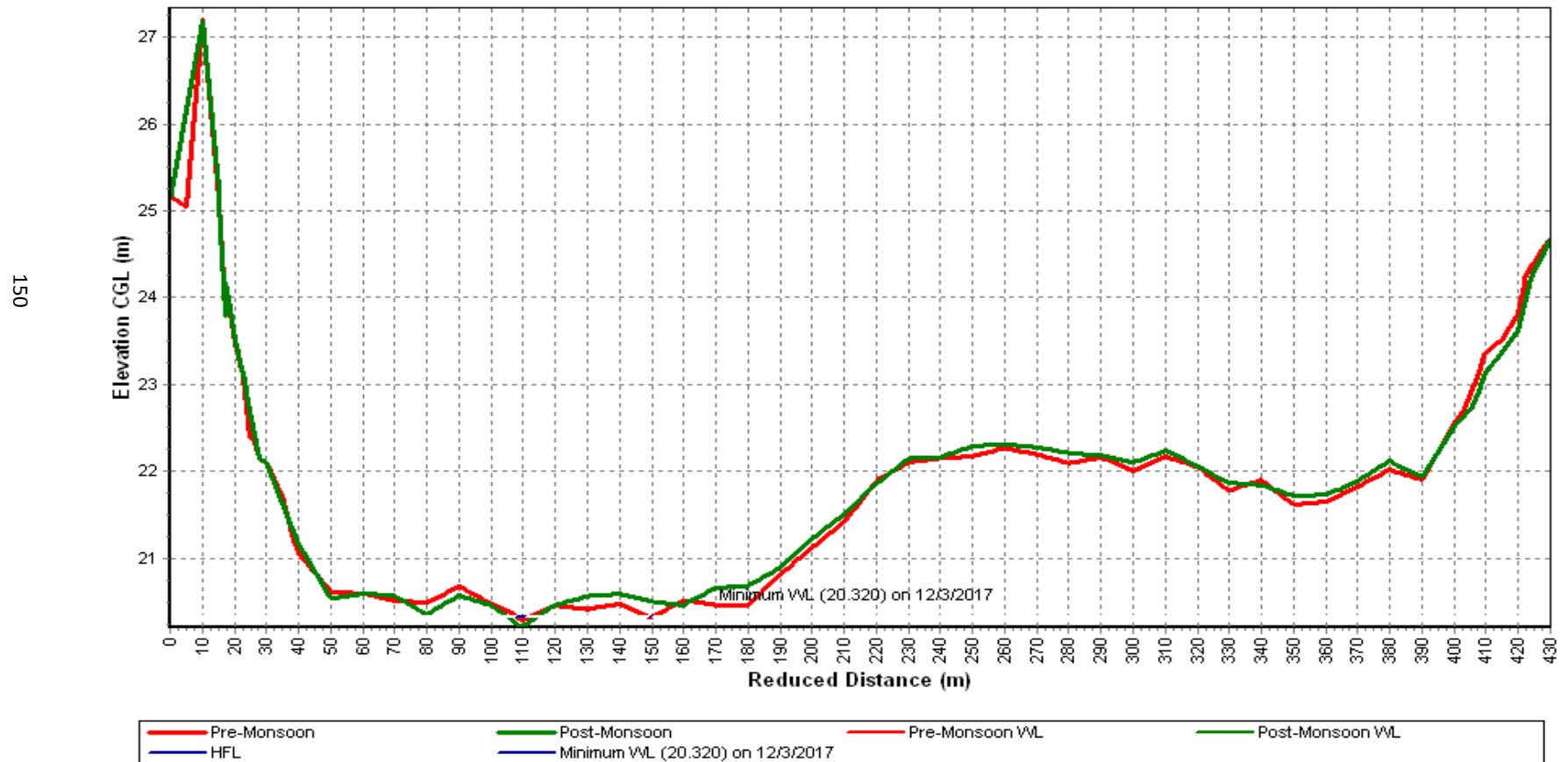
149



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : Naidupeta (AC000G4)
Local River : Swarnamukhi

Division : Hydrology Division, Chennai
Sub-Division : PPSP, Chennai



HISTORY SHEET

Water Year : 2016-2017

Site : Sulurpet

Code : AB000N5

State : Andhra Pradesh

District : Nellore

Basin : EFR B Pennar-Cauvery

Independent River : Kalingi

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Kalingi

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

Drainage Area : 5927 Sq. Km.

Bank : Left

Latitude : 13°42'28"

Longitude : 80°00'36"

Zero of Gauge (m) : 13.000 (m.s.l)Arb
-2.000 (m.s.l)01/10/1988 - 30/04/2003
01/05/2003

Opening Date

Closing Date

Gauge : 01/10/1988

Discharge : 05/10/1988

Sediment : 23/10/2013

Water Quality : 01/12/1988

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1989-1990	19.70	14.740	03/12/1989	0.000	Dry Bed	01/06/1989
1990-1991	285.0	19.200	15/11/1990	0.000	Dry Bed	01/06/1990
1991-1992	486.8	19.235	15/11/1991	0.000	Dry Bed	01/06/1991
1992-1993	66.50	15.298	19/11/1992	0.000	Dry Bed	01/06/1992
1993-1994	764.7	18.445	10/11/1993	0.000	Dry Bed	01/06/1993
1994-1995	149.0	16.390	13/01/1995	0.000	Dry Bed	01/06/1994
1995-1996	99.00	15.820	27/10/1995	0.000	Dry Bed	01/06/1995
1996-1997	877.0	19.150	13/12/1996	0.000	Dry Bed	01/06/1996
1997-1998	695.0	18.650	28/11/1997	0.000	Dry Bed	01/06/1997
1998-1999	453.4	17.500	07/11/1998	0.000	Dry Bed	01/06/1998
1999-2000	60.39	15.415	23/11/1999	0.000	Dry Bed	01/06/1999
2000-2001	58.26	15.240	04/12/2000	0.000	Dry Bed	01/06/2000
2001-2002	888.9	18.795	16/10/2001	0.000	Dry Bed	01/06/2001
2002-2003	138.0	16.320	10/11/2002	0.000	Dry Bed	01/06/2002
2003-2004	27.14	1.610	24/07/2003	0.000	Dry Bed	01/06/2003
2004-2005	12.24	1.030	07/11/2004	0.000	Dry Bed	01/06/2004
2005-2006	1029	6.435	04/12/2005	0.000	Dry Bed	01/06/2005
2006-2007	171.4	3.162	20/11/2006	0.000	Dry Bed	01/06/2006

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2007-2008	1033	6.445	29/10/2007	0.000	Dry Bed	01/06/2007
2008-2009	843.6	5.985	28/11/2008	0.000	Dry Bed	01/06/2008
2009-2010	408.1	3.425	09/11/2009	0.000	Dry Bed	01/06/2009
2010-2011	166.6	3.770	18/11/2010	0.000	Dry Bed	01/06/2010
2011-2012	262.5	4.460	28/11/2011	0.000	Dry Bed	01/06/2011
2012-2013	414.9	4.950	05/12/2012	0.000	Dry Bed	01/06/2012
2013-2014	17.79	1.810	27/10/2013	0.000	Dry Bed	01/06/2013
2014-2015	126.4	2.705	14/11/2014	0.000	Dry Bed	01/06/2014
2015-2016	874.5	6.620	16/11/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : Sulurpet (AB000N5)

Division : Hydrology Division, Chennai

Local River : Kalingi

Sub-Division : PPSP, Chennai

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000		0.000	DRY BED							0.000
12		0.000		0.000								0.000
13		0.000		0.000								0.000
14		0.000		0.000								0.000
15		0.000		0.000		0.000		0.000		0.000		0.000
16		0.000		0.000		0.000		0.000		0.000		0.000
17		0.000		0.000		0.000		0.000		0.000		0.000
18		0.000		0.000		0.000		0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000		0.000		0.000		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000		0.000		0.000		0.000		0.000
30		0.000		0.000		0.000		0.000		0.000		0.000
31				0.000		0.000				0.000		
Ten-Daily Mean												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
Monthly												
Min.		0.000		0.000		0.000		0.000		0.000		0.000
Max.		0.000		0.000		0.000		0.000		0.000		0.000
Mean		0		0		0		0		0		0

Annual Runoff in MCM = 1 Annual Runoff in mm = 0

Peak Observed Discharge = 4.872 cumecs on 14/12/2016 Corres. Water Level :1.375 m

Lowest Observed Discharge = 0.000 cumecs on 01/06/2016

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2016 - 2017

Station Name : Sulurpet (AB000N5)

Division : Hydrology Division, Chennai

Local River : Kalingi

Sub-Division : PPSD, Chennai

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000		0.000		0.000		0.000		0.000		0.000
12		0.000		0.000		0.000		0.000		0.000		0.000
13		0.000		0.000		0.000		0.000		0.000		0.000
14	1.375	4.872		0.000		0.000		0.000		0.000		0.000
15	1.075	0.959		0.000		0.000		0.000		0.000		0.000
16	0.930	0.000		0.000		0.000		0.000		0.000		0.000
17	0.820	0.000		0.000		0.000		0.000		0.000		0.000
18	0.735	0.000		0.000		0.000		0.000		0.000		0.000
19	0.660	0.000		0.000		0.000		0.000		0.000		0.000
20	0.600	0.000		0.000		0.000		0.000		0.000		0.000
21	0.565	0.000		0.000		0.000		0.000		0.000		0.000
22	0.540	0.000		0.000		0.000		0.000		0.000		0.000
23	0.510	0.000		0.000		0.000		0.000		0.000		0.000
24	0.460	0.000		0.000		0.000		0.000		0.000		0.000
25	0.425	0.000		0.000		0.000		0.000		0.000		0.000
26	0.370	0.000		0.000		0.000		0.000		0.000		0.000
27	0.330	0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000				0.000		0.000		0.000
30		0.000		0.000				0.000		0.000		0.000
31		0.000		0.000				0.000				0.000
<u>Ten-Daily Mean</u>												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily	0.885	0.583		0.000		0.000		0.000		0.000		0.000
III Ten-Daily	0.457	0.000		0.000		0.000		0.000		0.000		0.000
<u>Monthly</u>												
Min.	0.330	0.000		0.000		0.000		0.000		0.000		0.000
Max.	1.375	4.872		0.000		0.000		0.000		0.000		0.000
Mean	0.671	0.188		0		0		0		0		0

Q:Observed/Computed Discharge in cumecs

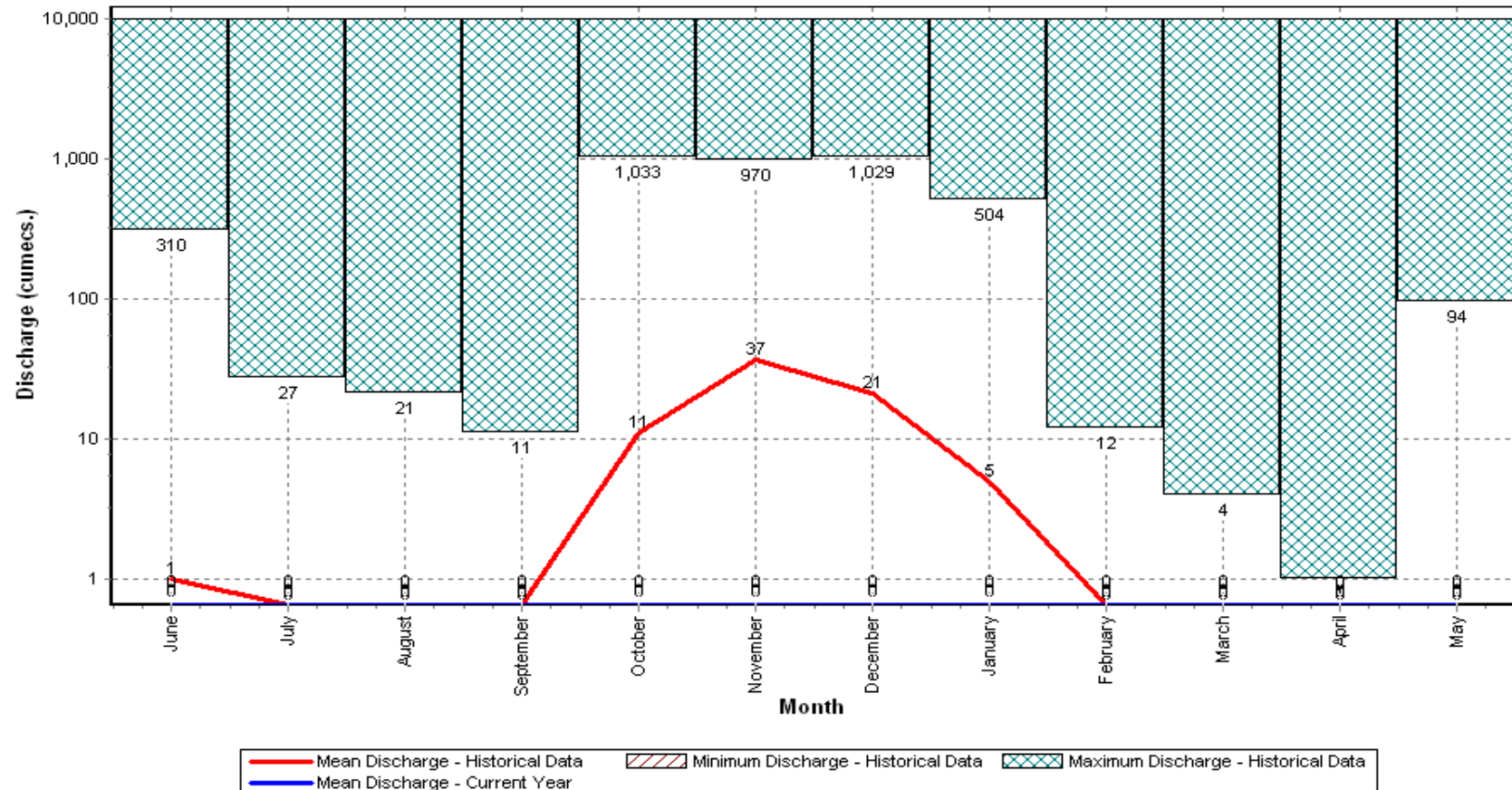
WL:Corresponding Mean Water Level(m.s.l) in m

Note:Missing values ignored while arriving at Annual Runoff

Station Name : Sulerpet (AB000N5)
Local River : Kalingi

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017 Data considered : 1989-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai



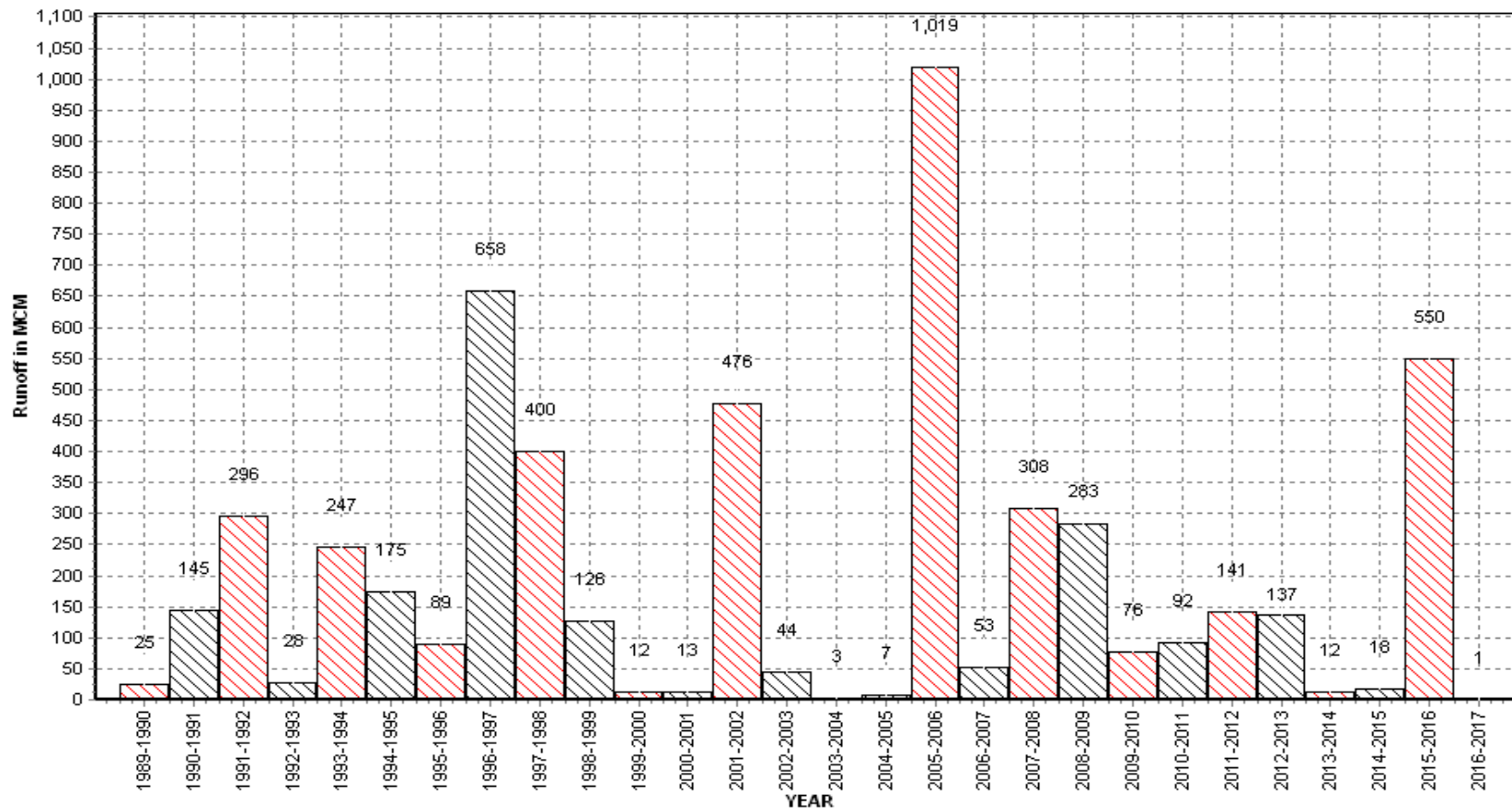
Annual Runoff Values for the period: 1989 - 2017

Station Name : Sulurpet (AB000N5)

Local River : Kalingi

Division : Hydrology Division, Chennai

Sub-Division : PPSP, Chennai

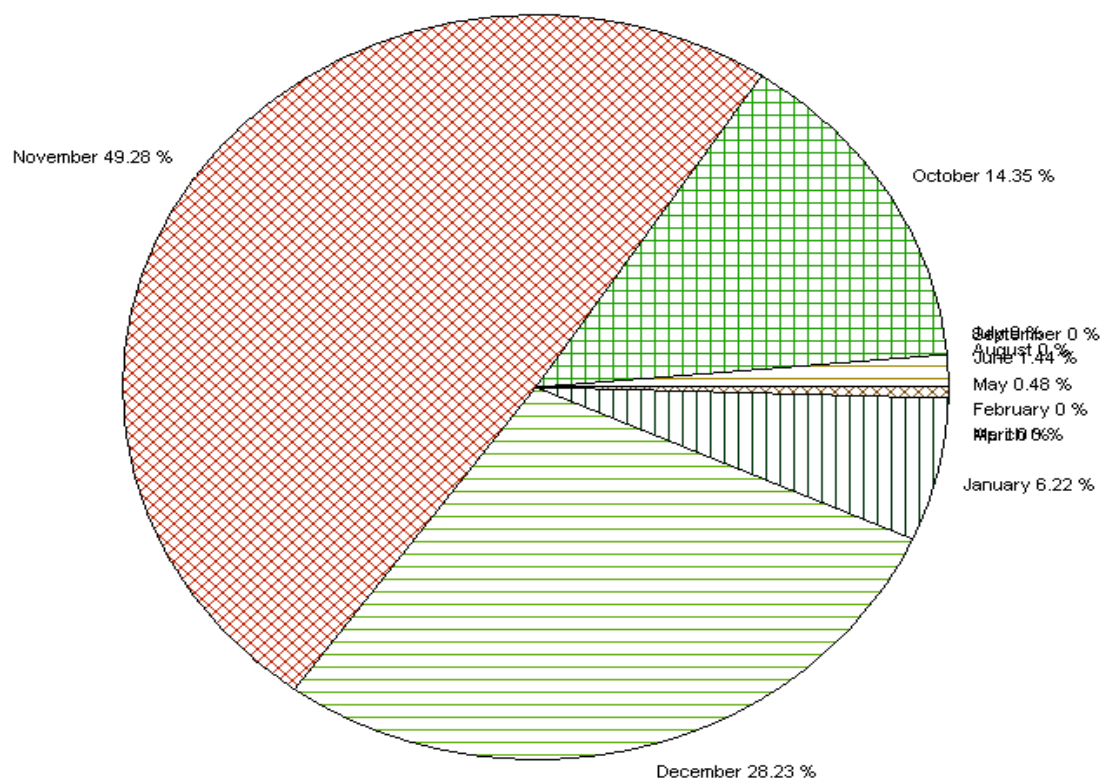


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Sulurpet (AB000N5)
Local River : Kalingi

Monthly Average Runoff based on period : 1989-2016

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai



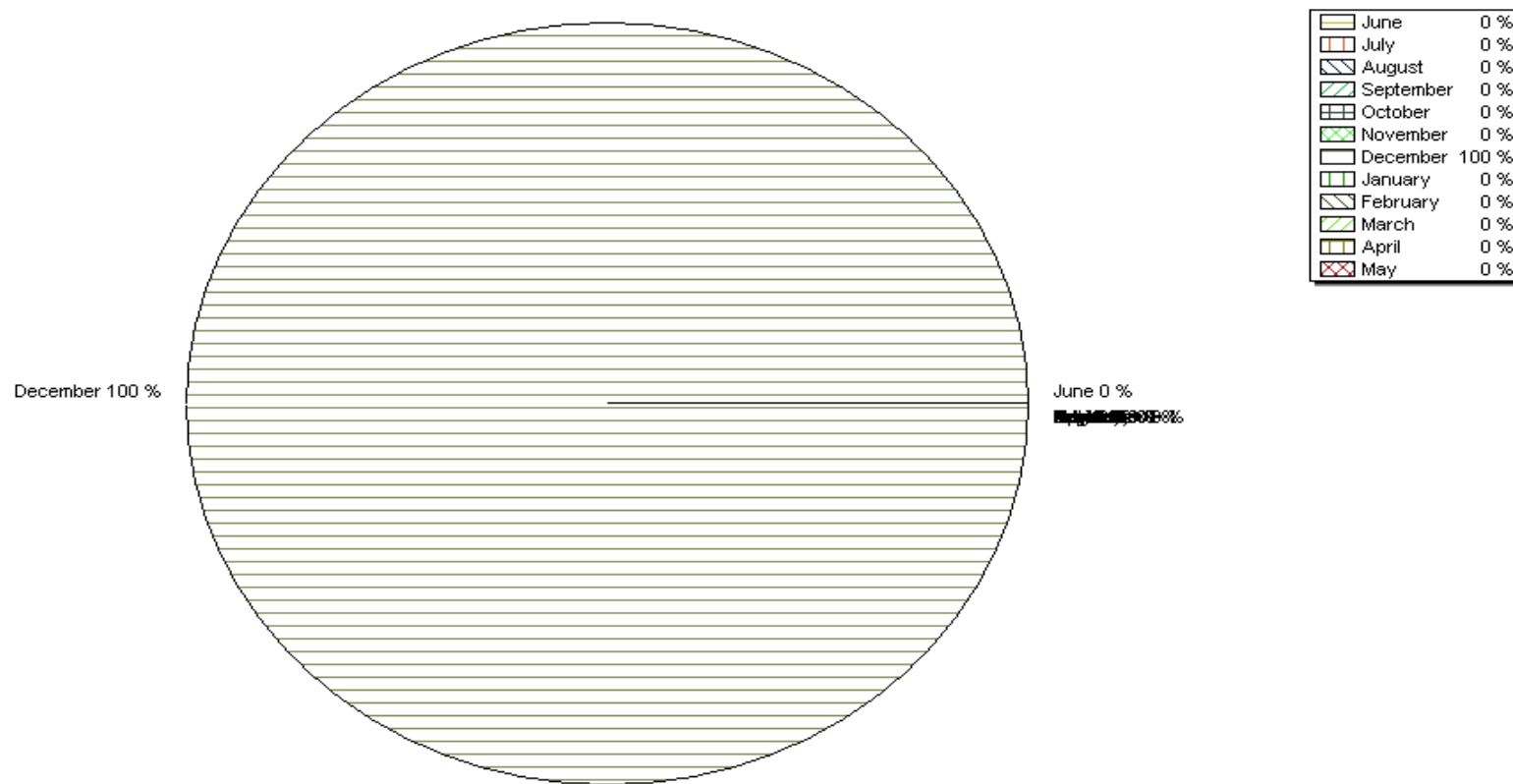
June	1.44 %
July	0 %
August	0 %
September	0 %
October	14.35 %
November	49.28 %
December	28.23 %
January	6.22 %
February	0 %
March	0 %
April	0 %
May	0.48 %

Station Name : Sulurpet (AB000N5)
Local River : Kalingi

Monthly Runoff for the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai

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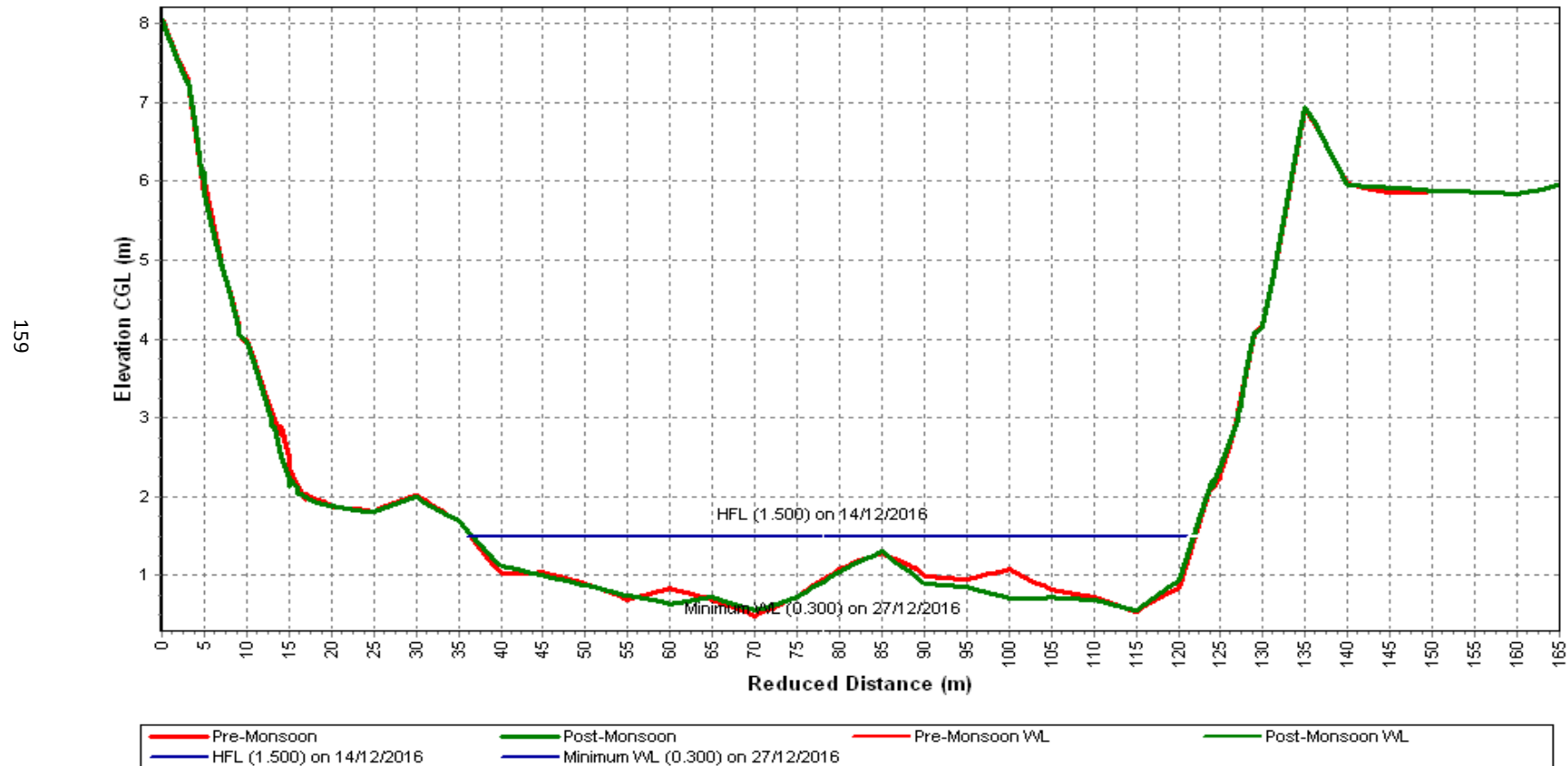
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : Sulurpet (AB000N5)

Local River : Kalingi

Division : Hydrology Division, Chennai

Sub-Division : PPSP, Chennai

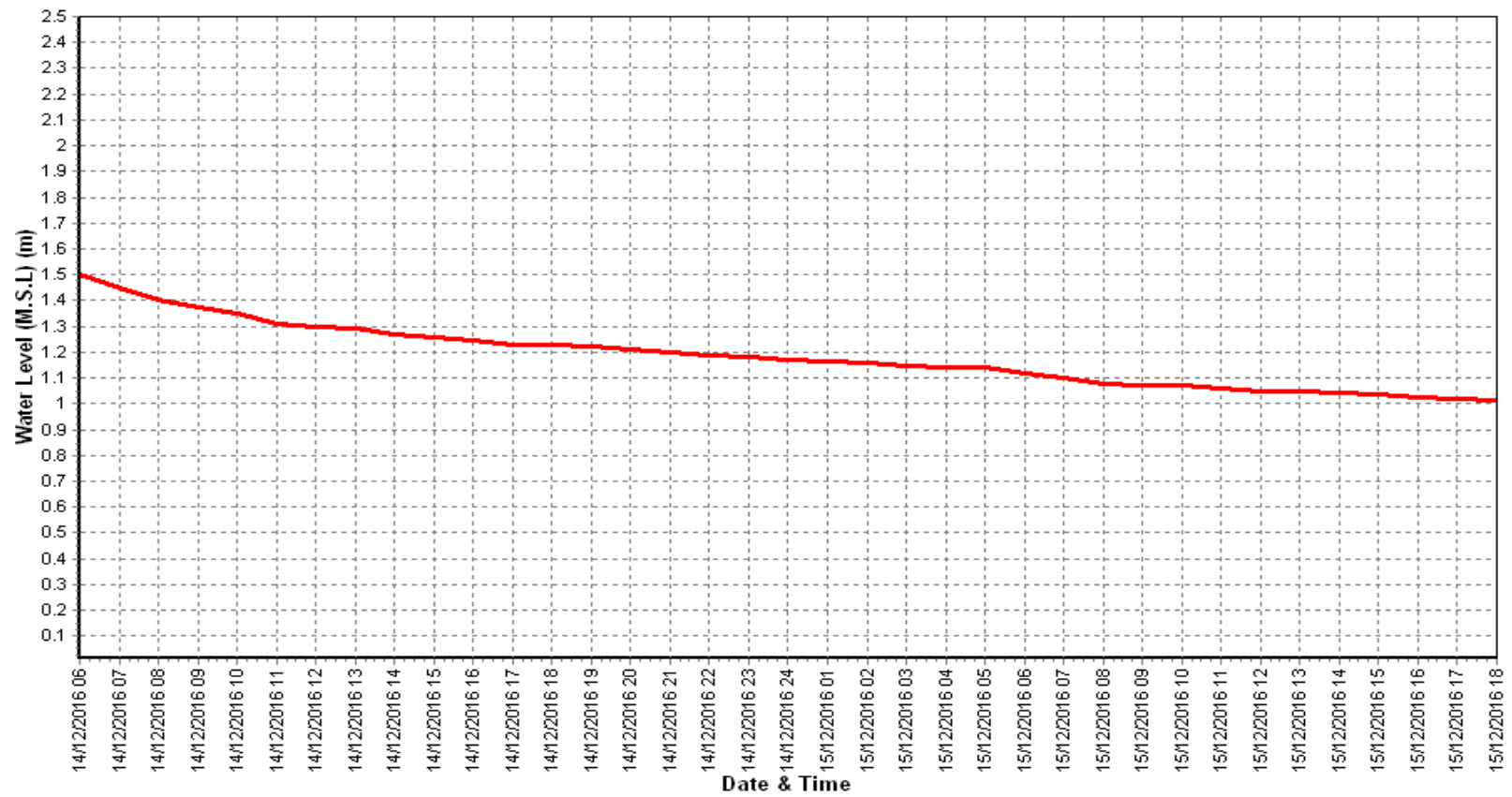


Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2016-2017

Station Name : Sulurpet (AB000N5)
Local River : Kalingi

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai

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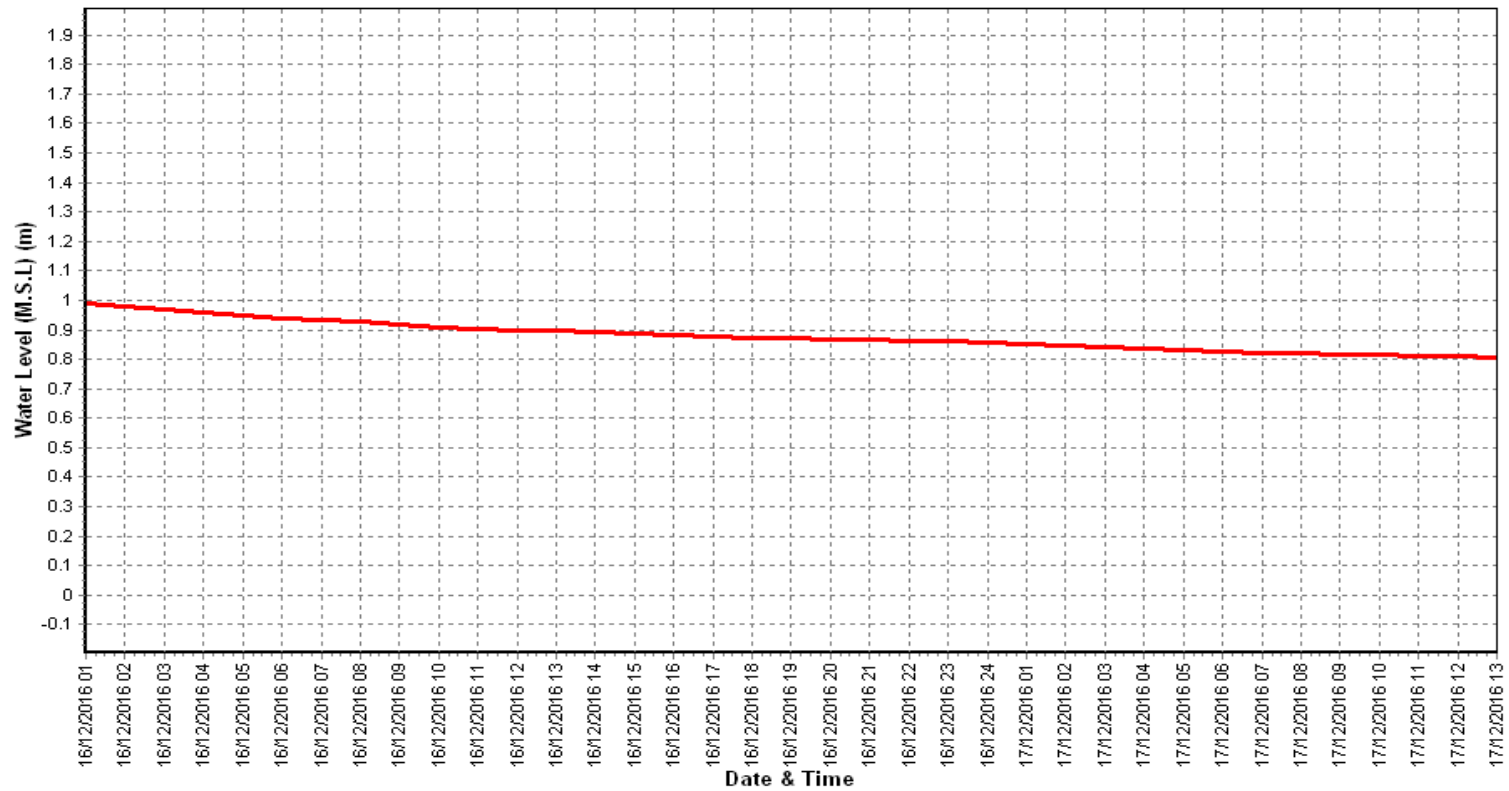
Time Span: 72 Hrs

Station Name : Sularpet (AB000N5)
Local River : Kalingi

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai

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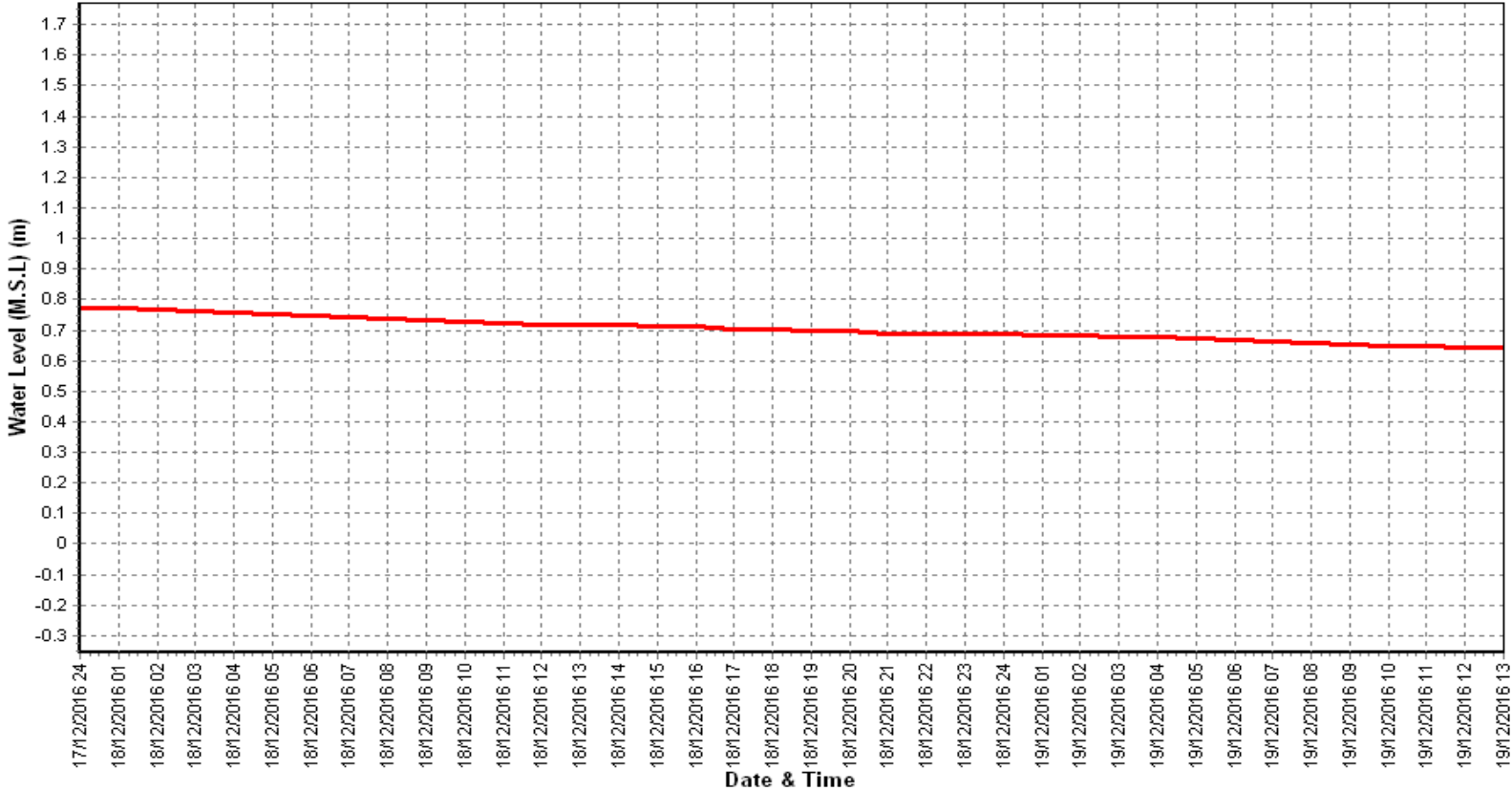
Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2016-2017

Station Name : Sulurpet (AB000N5)
Local River : Kalingi

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai

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Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2016-2017

Site : Chengalpet

Code : CQ000C1

State : Tamil Nadu

District : Kancheepuram

Basin : EFR B Pennar-Cauvery

Independent River : Palar

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Palar

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

Drainage Area : 16230 Sq. Km.

Bank : Right

Latitude : 12°39'00"

Longitude : 79°56'50"

Zero of Gauge (m) : 26.000 (m.s.l)
24.000 (m.s.l)01/09/1977 - 31/05/2006
01/06/2006

Opening Date

Closing Date

Gauge : 01/09/1977

Discharge : 01/10/1978

Sediment :

Water Quality : 01/06/1979

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1979-1980	1522	28.875	20/11/1979	0.000	26.860	01/06/1979
1980-1981	93.90	27.740	05/12/1980	0.000	27.030	01/06/1980
1981-1982	228.6	27.860	28/10/1981	0.000	Dry Bed	01/06/1981
1982-1983	60.40	27.650	05/11/1982	0.000	Dry Bed	01/06/1982
1983-1984	261.3	28.140	26/12/1983	0.000	Dry Bed	01/06/1983
1984-1985	129.8	27.610	18/11/1984	0.000	Dry Bed	01/06/1984
1985-1986	2690	29.220	14/11/1985	0.000	Dry Bed	01/06/1985
1986-1987	28.50	27.430	07/11/1986	0.000	Dry Bed	01/06/1986
1987-1988	31.21	27.408	07/11/1987	0.000	Dry Bed	01/06/1987
1988-1989	22.67	27.470	08/11/1988	0.000	Dry Bed	01/06/1988
1989-1990	120.0	27.680	03/12/1989	0.000	Dry Bed	01/06/1989
1990-1991	79.48	27.600	02/11/1990	0.000	Dry Bed	01/06/1990
1991-1992	2589	28.990	18/11/1991	0.000	Dry Bed	01/06/1991
1992-1993	133.5	27.343	19/11/1992	0.000	Dry Bed	01/06/1992
1993-1994	253.6	27.092	10/11/1993	0.000	Dry Bed	01/06/1993
1994-1995	437.9	27.070	07/11/1994	0.000	Dry Bed	01/06/1994
1995-1996	61.88	26.490	07/11/1995	0.000	Dry Bed	01/06/1995
1996-1997	1996	28.438	16/12/1996	0.000	Dry Bed	01/06/1996

Q: Observed/Computed Discharge

WL : Corresponding Water Level(m.s.l)

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1997-1998	560.0	27.360	07/12/1997	0.000	Dry Bed	01/06/1997
1998-1999	1031	27.700	09/11/1998	0.000	Dry Bed	01/06/1998
1999-2000	41.12	26.570	30/11/1999	0.000	Dry Bed	01/06/1999
2000-2001	10.00	26.120	03/12/2000	0.000	Dry Bed	01/06/2000
2001-2002	74.31	26.790	23/12/2001	0.000	Dry Bed	01/06/2001
2002-2003	9.267	26.192	09/12/2002	0.000	Dry Bed	01/06/2002
2003-2004	1.960	25.930	15/11/2003	0.000	Dry Bed	01/06/2003
2004-2005	21.23	26.265	06/11/2004	0.000	Dry Bed	01/06/2004
2005-2006	568.2	27.230	05/12/2005	0.000	Dry Bed	01/06/2005
2006-2007	21.83	26.220	30/10/2006	0.000	Dry Bed	01/06/2006
2007-2008	301.2	26.875	20/12/2007	0.000	Dry Bed	01/06/2007
2008-2009	458.1	26.930	29/11/2008	0.000	Dry Bed	01/06/2008
2009-2010	39.26	26.290	18/12/2009	0.000	Dry Bed	01/06/2009
2010-2011	203.3	26.750	07/12/2010	0.000	Dry Bed	01/06/2010
2011-2012	34.98	26.250	03/01/2012	0.000	Dry Bed	01/06/2011
2012-2013	22.32	26.210	06/12/2012	0.000	Dry Bed	01/06/2012
2013-2014	4.848	25.900	16/09/2013	0.000	Dry Bed	01/06/2013
2014-2015	6.418	25.860	15/11/2014	0.000	Dry Bed	01/06/2014
2015-2016	2657	28.200	03/12/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : Chengalpet (CQ000C1)

Division : Hydrology Division, Chennai

Local River : Palar

Sub-Division : PPSD, Chennai

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	25.400	0.000	25.410	0.000	25.500	0.240 #	25.600	0.816	25.900	9.545	25.430	0.000
2	25.410	0.000	25.410	0.000	25.480	0.000	25.650	1.117	25.820	5.026 *	25.420	0.000
3	25.390	0.000	25.410	0.000	25.480	0.000	25.660	1.157	25.820	5.427	25.420	0.000
4	25.380	0.000	25.410	0.000	25.480	0.000	25.640	1.164 *	25.810	4.154	25.420	0.000
5	25.380	0.000	25.420	0.000	25.480	0.000	25.730	2.067 *	25.790	3.765	25.420	0.000
6	25.380	0.000	25.420	0.000	25.500	0.172	25.730	1.780	25.760	2.584	25.410	0.000
7	25.380	0.000	25.420	0.000	25.490	0.000	25.710	1.593	25.690	1.979	25.400	0.000
8	25.380	0.000	25.420	0.000	25.480	0.000	25.710	2.014	25.650	1.698	25.390	0.000
9	25.380	0.000	25.420	0.000	25.470	0.000	25.690	1.781	25.610	1.208 *	25.380	0.000
10	25.380	0.000	25.420	0.000	25.460	0.000	25.660	1.409	25.610	1.076	25.370	0.000
11	25.380	0.000	25.420	0.000	25.450	0.000	25.600	0.838 *	25.540	0.694 *	25.370	0.000
12	25.390	0.000	25.420	0.000	25.450	0.000	25.570	0.663	25.540	0.694 *	25.360	0.000
13	25.400	0.000	25.410	0.000	25.440	0.000	25.540	0.441 *	25.520	0.574 #	25.350	0.000
14	25.400	0.000	25.400	0.000	25.460	0.000	25.570	0.342	25.500	0.467 #	25.350	0.000
15	25.400	0.000	25.400	0.000	25.460	0.000	25.490	0.000	25.480	0.372 *	25.340	0.000
16	25.400	0.000	25.400	0.000	25.420	0.000	25.480	0.000	25.570	0.519 *	25.340	0.000
17	25.400	0.000	25.400	0.000	25.400	0.000	25.460	0.096 #	25.600	1.097	25.320	0.000
18	25.400	0.000	25.400	0.000	25.390	0.000	25.500	0.240 *	25.590	1.086	25.300	0.000
19	25.390	0.000	25.400	0.000	25.360	0.000	25.480	0.161 *	25.580	0.979	25.280	0.000
20	25.390	0.000	25.450	0.000	25.350	0.000	25.500	0.240 #	25.560	0.855	25.250	0.000
21	25.380	0.000	25.530	0.386 #	25.340	0.000	25.520	0.334 #	25.540	0.653	25.250	0.000
22	25.380	0.000	25.590	0.797	25.330	0.000	25.510	0.285 #	25.520	0.600	25.230	0.000
23	25.380	0.000	25.590	0.789	25.340	0.000	25.490	0.000	25.500	0.467 *	25.170	0.000
24	25.380	0.000	25.590	0.764 *	25.470	0.000	25.460	0.000	25.480	0.000	25.150	0.000
25	25.400	0.000	25.600	0.955	25.460	0.000	25.440	0.000	25.470	0.000	25.100	0.000
26	25.390	0.000	25.610	0.966	25.450	0.000	25.420	0.000	25.460	0.000		0.000
27	25.390	0.000	25.590	0.808	25.450	0.000	25.430	0.000	25.450	0.000		0.000
28	25.400	0.000	25.570	0.676	25.430	0.000	25.420	0.000	25.440	0.000		0.000
29	25.410	0.000	25.540	0.457	25.420	0.000	25.490	0.000	25.430	0.000		0.000
30	25.410	0.000	25.520	0.303	25.410	0.000	25.670	1.805	25.430	0.000		0.000
31			25.510	0.285 *	25.565	0.617			25.440	0.000		
<u>Ten-Daily Mean</u>												
I Ten-Daily	25.386	0.000	25.416	0.000	25.482	0.041	25.678	1.490	25.746	3.646	25.406	0.000
II Ten-Daily	25.395	0.000	25.410	0.000	25.418	0.000	25.519	0.302	25.548	0.734	25.326	0.000
III Ten-Daily	25.392	0.000	25.567	0.653	25.424	0.056	25.485	0.242	25.469	0.156	25.180	0.000
<u>Monthly</u>												
Min.	25.380	0.000	25.400	0.000	25.330	0.000	25.420	0.000	25.430	0.000	25.100	0.000
Max.	25.410	0.000	25.610	0.966	25.565	0.617	25.730	2.067	25.900	9.545	25.430	0.000
Mean	25.391	0	25.468	0.232	25.441	0.033	25.561	0.678	25.584	1.468	25.329	0

Annual Runoff in MCM = 81 Annual Runoff in mm = 5

Peak Observed Discharge = 235.1 cumecs on 14/12/2016 Corres. Water Level :26.69 m

Lowest Observed Discharge = 0.000 cumecs on 01/06/2016 Corres. Water Level :25.4 m

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2016 - 2017

Station Name : Chengalpet (CQ000C1)

Division : Hydrology Division, Chennai

Local River : Palar

Sub-Division : PPSD, Chennai

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1		0.000	25.660	0.931	25.420	0.000	25.260	0.000		0.000		0.000
2		0.000	25.640	1.429	25.420	0.000	25.230	0.000		0.000		0.000
3	25.460	0.189	25.620	1.259	25.420	0.000	25.190	0.000		0.000		0.000
4	25.530	0.548 *	25.600	1.112	25.420	0.000	25.150	0.000		0.000		0.000
5	25.650	1.477	25.590	1.113	25.400	0.000	25.130	0.000		0.000		0.000
6	25.640	1.491 *	25.580	1.007	25.380	0.000	25.130	0.000		0.000		0.000
7	25.630	1.337	25.570	0.930	25.370	0.000	25.180	0.000		0.000		0.000
8	25.600	1.210	25.560	0.923 *	25.360	0.000	25.170	0.000		0.000		0.000
9	25.580	0.986	25.540	0.771	25.360	0.000	25.150	0.000		0.000		0.000
10	25.540	0.619 #	25.530	0.798	25.360	0.000	25.110	0.000		0.000		0.000
11	25.520	0.480 *	25.520	0.724	25.350	0.000		0.000		0.000		0.000
12	25.510	0.415 #	25.500	0.647	25.350	0.000		0.000		0.000		0.000
13	27.000	398.8 *	25.490	0.609	25.340	0.000		0.000		0.000		0.000
14	26.690	235.1	25.480	0.537 *	25.340	0.000		0.000		0.000		0.000
15	26.300	88.42 #	25.480	0.537 *	25.330	0.000		0.000		0.000		0.000
16	26.060	31.30	25.460	0.000	25.320	0.000		0.000		0.000		0.000
17	26.000	22.98	25.450	0.000	25.320	0.000		0.000		0.000		0.000
18	25.930	15.59 *	25.440	0.000	25.310	0.000		0.000		0.000		0.000
19	25.880	10.88	25.440	0.000	25.310	0.000	25.110	0.000		0.000		0.000
20	25.840	8.865	25.440	0.000	25.310	0.000	25.220	0.000		0.000		0.000
21	25.820	4.846	25.440	0.000	25.320	0.000	25.220	0.000		0.000		0.000
22	25.800	4.010	25.430	0.000	25.320	0.000	25.170	0.000		0.000		0.000
23	25.790	3.660	25.420	0.000	25.310	0.000	25.100	0.000		0.000		0.000
24	25.770	2.849	25.410	0.000	25.290	0.000		0.000		0.000		0.000
25	25.750	2.300 *	25.400	0.000	25.280	0.000		0.000		0.000		0.000
26	25.730	2.171	25.390	0.000	25.280	0.000		0.000		0.000		0.000
27	25.710	2.004	25.390	0.000	25.270	0.000		0.000		0.000		0.000
28	25.700	1.847	25.400	0.000	25.260	0.000		0.000		0.000		0.000
29	25.690	1.847	25.400	0.000				0.000		0.000		0.000
30	25.680	1.739	25.410	0.000				0.000		0.000		0.000
31	25.700	1.662	25.420	0.000				0.000				0.000
Ten-Daily Mean												
I Ten-Daily	25.579	0.786	25.589	1.027	25.391	0.000	25.170	0.000		0.000		0.000
II Ten-Daily	26.073	81.28	25.470	0.305	25.328	0.000	25.165	0.000		0.000		0.000
III Ten-Daily	25.740	2.630	25.410	0.000	25.291	0.000	25.163	0.000		0.000		0.000
Monthly												
Min.	25.460	0.000	25.390	0.000	25.260	0.000	25.100	0.000		0.000		0.000
Max.	27.000	398.8	25.660	1.429	25.420	0.000	25.260	0.000		0.000		0.000
Mean	25.810	27.41	25.487	0.43	25.340	0	25.168	0		0		0

Peak Computed Discharge = 398.8 cumecs on 13/12/2016

Corres. Water Level :27 m

Lowest Computed Discharge = 0.161 cumecs on 19/09/2016

Corres. Water Level :25.48 m

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

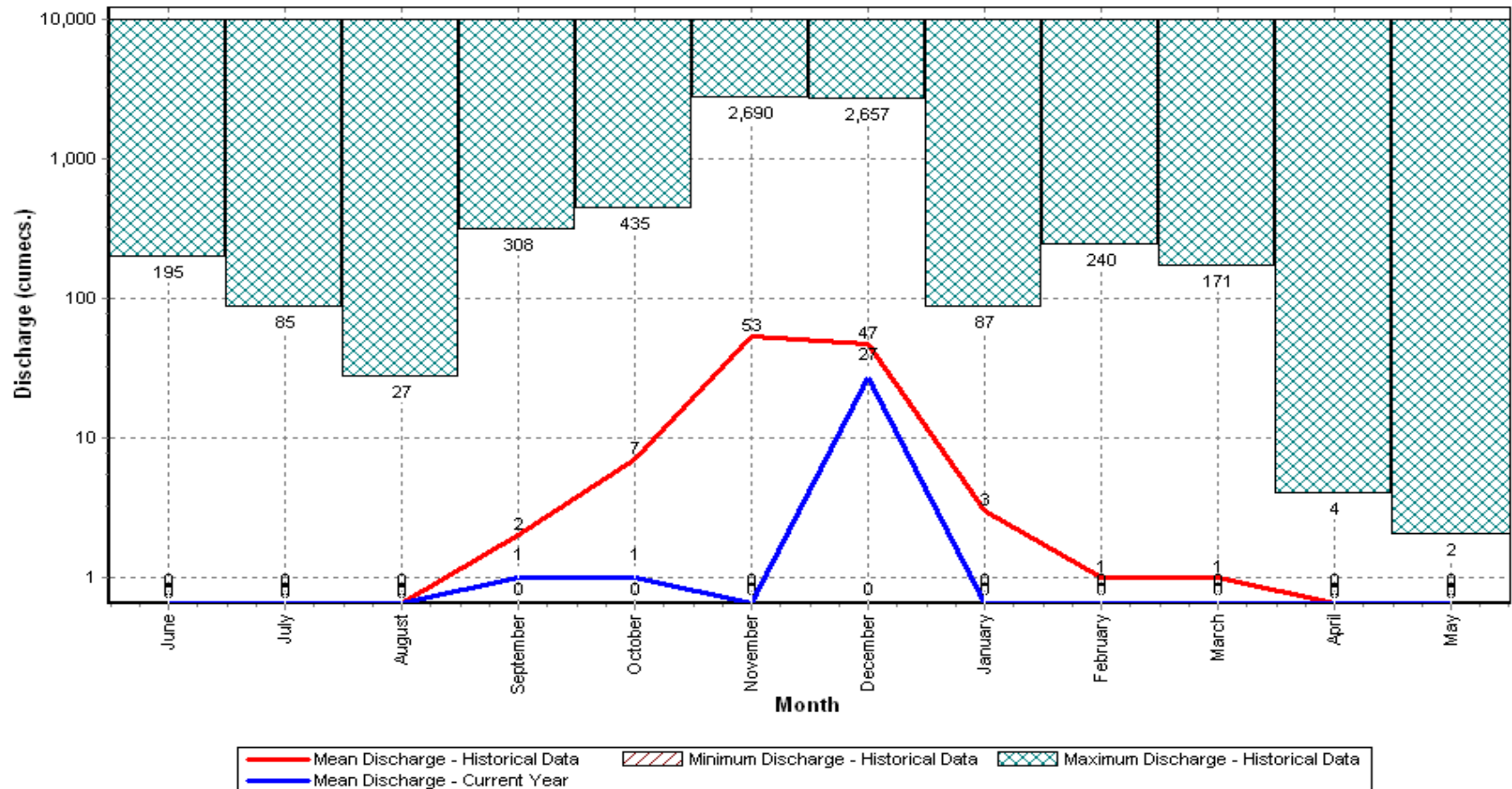
#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Station Name : Chengalpet (CQ000C1)
Local River : Palar

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017 Data considered : 1979-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSP, Chennai



Annual Runoff Values for the period: 1979 - 2017

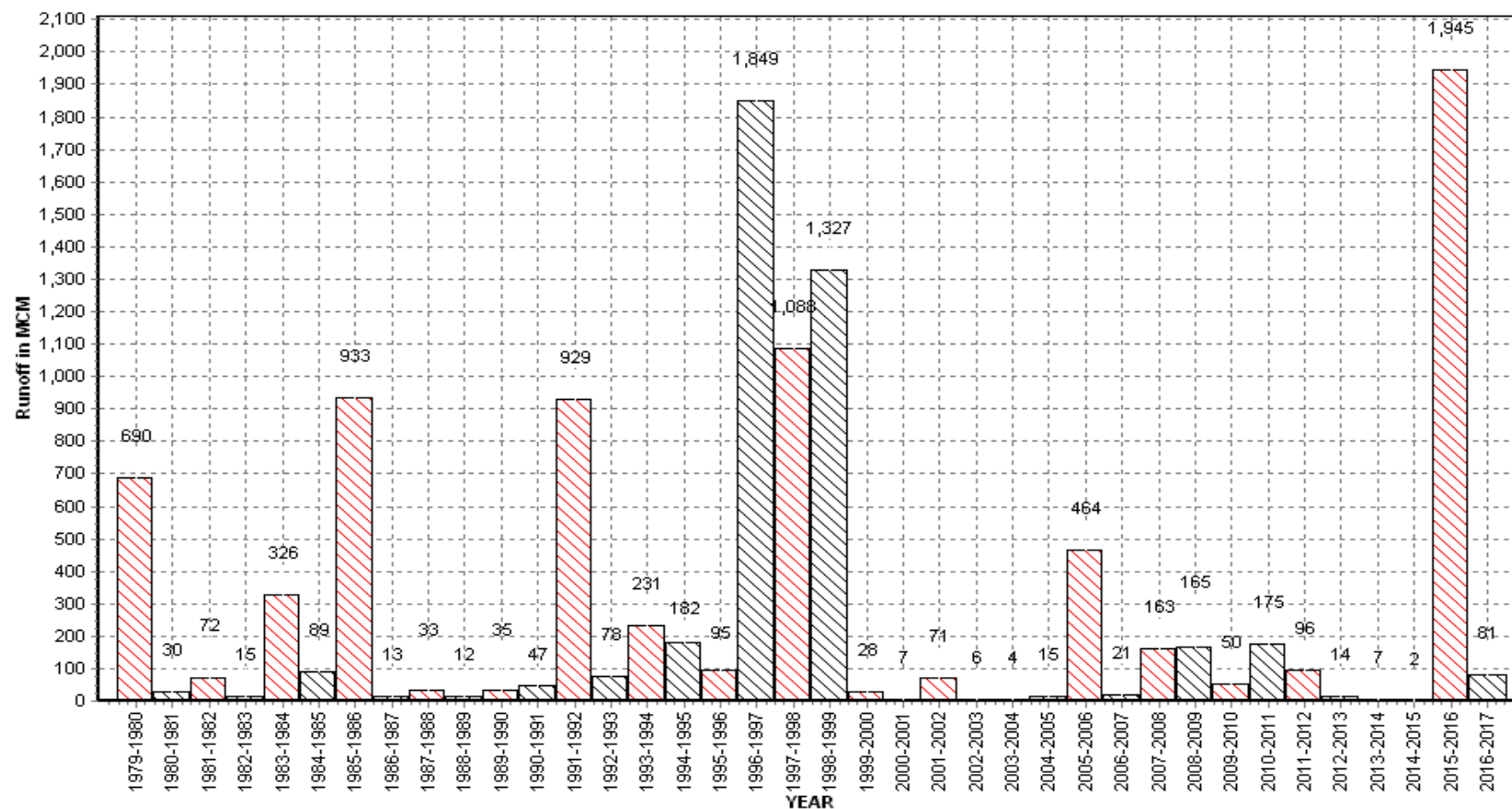
Station Name : Chengalpet (CQ000C1)

Local River : Palar

Division : Hydrology Division, Chennai

Sub-Division : PPSPD, Chennai

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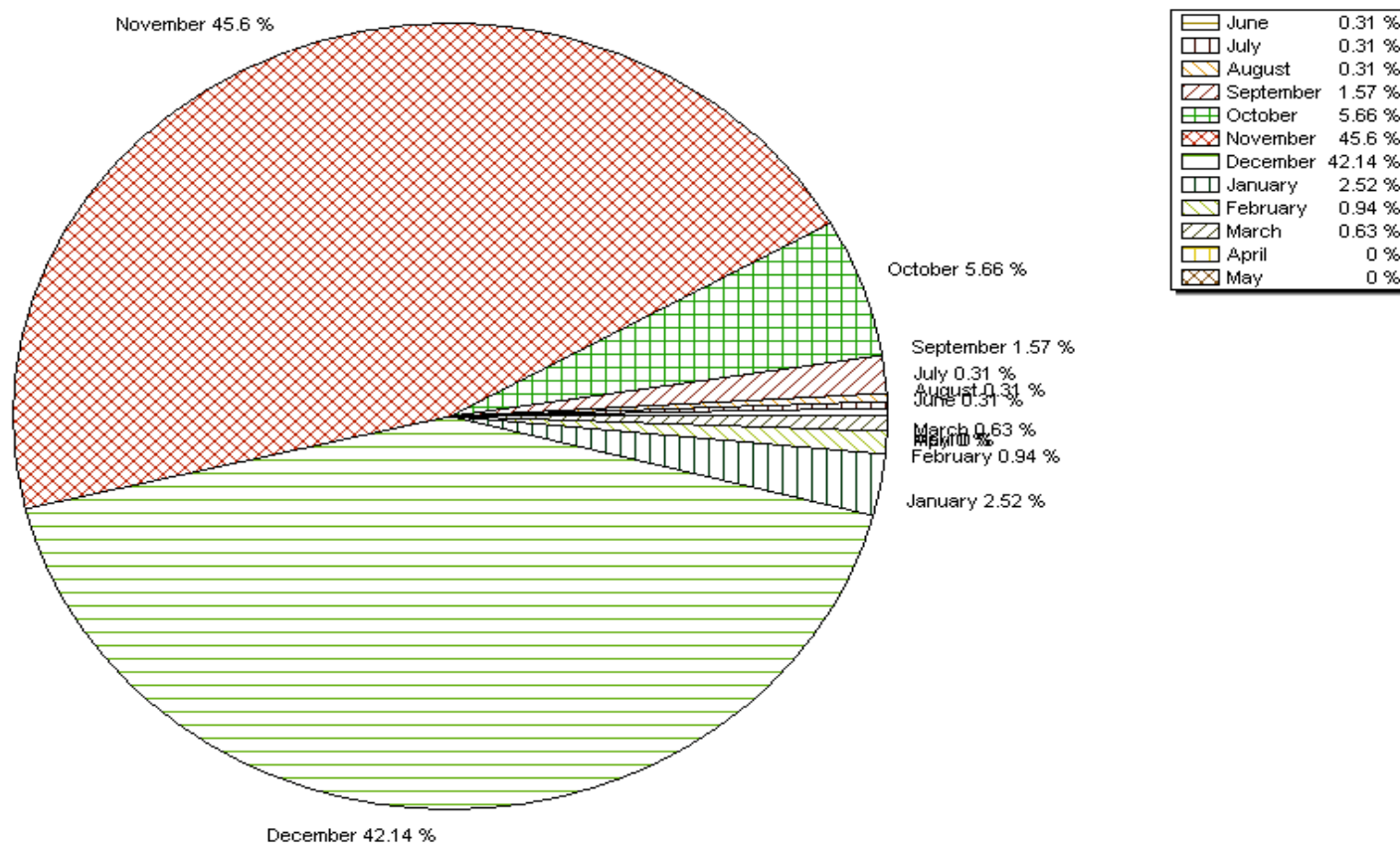


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Chengalpet (CQ000C1)
Local River : Palar

Monthly Average Runoff based on period : 1979-2016

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai

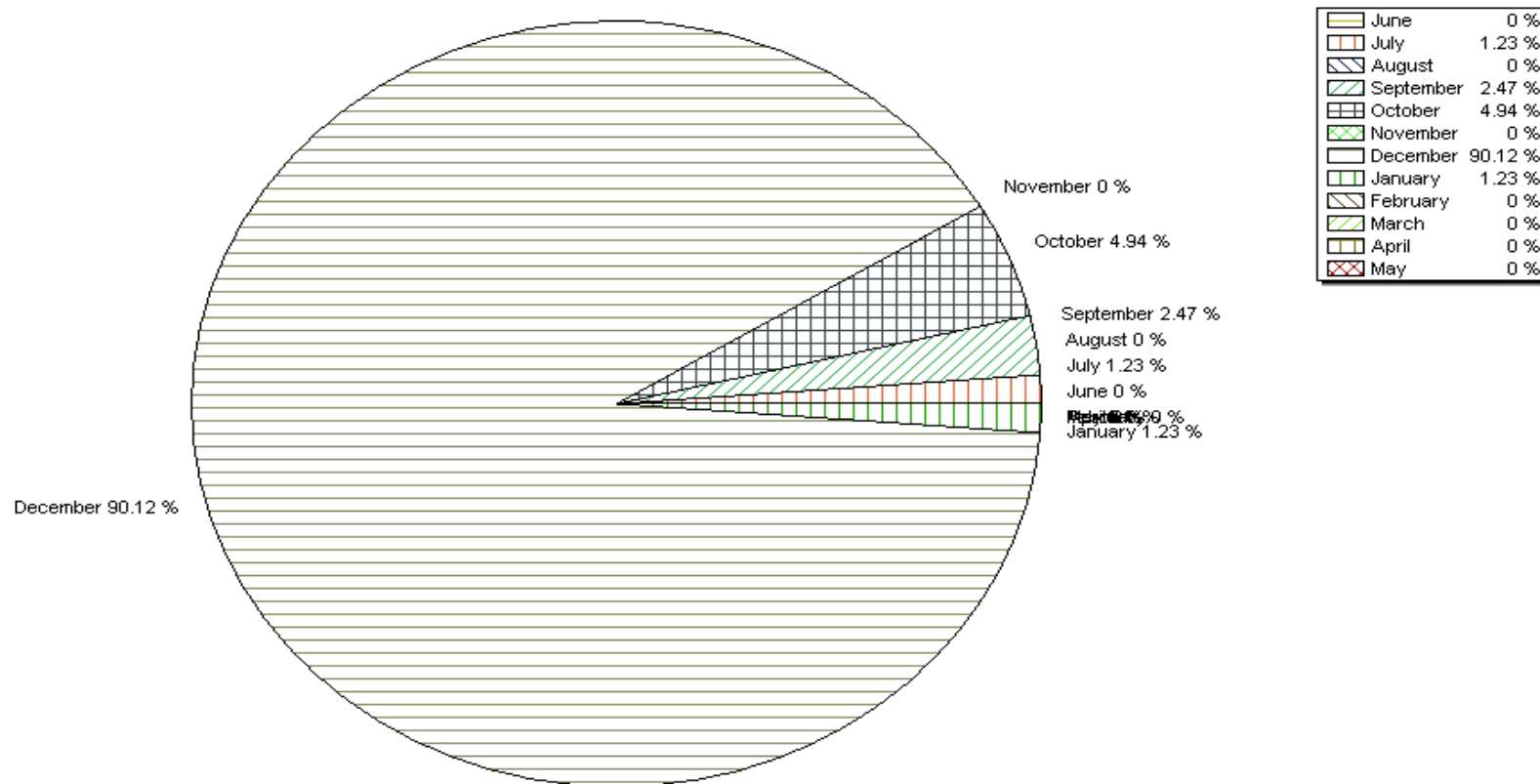


Station Name : Chengalpet (CQ000C1)
Local River : Palar

Monthly Runoff for the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSP, Chennai

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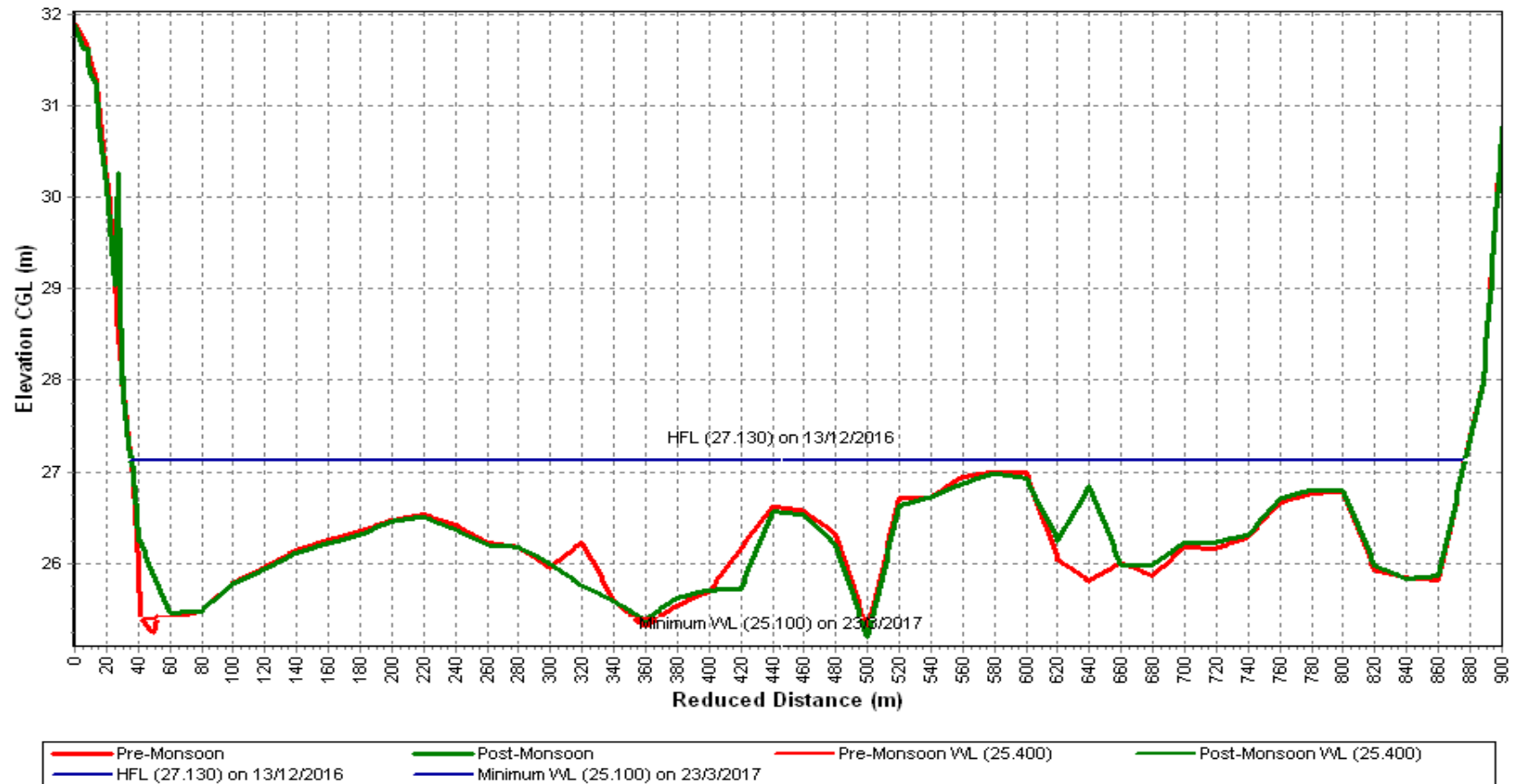


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : Chengalpet (CQ000C1)
Local River : Palar

Division : Hydrology Division, Chennai
Sub-Division : Palar Ponnaiyar SD, Chennai

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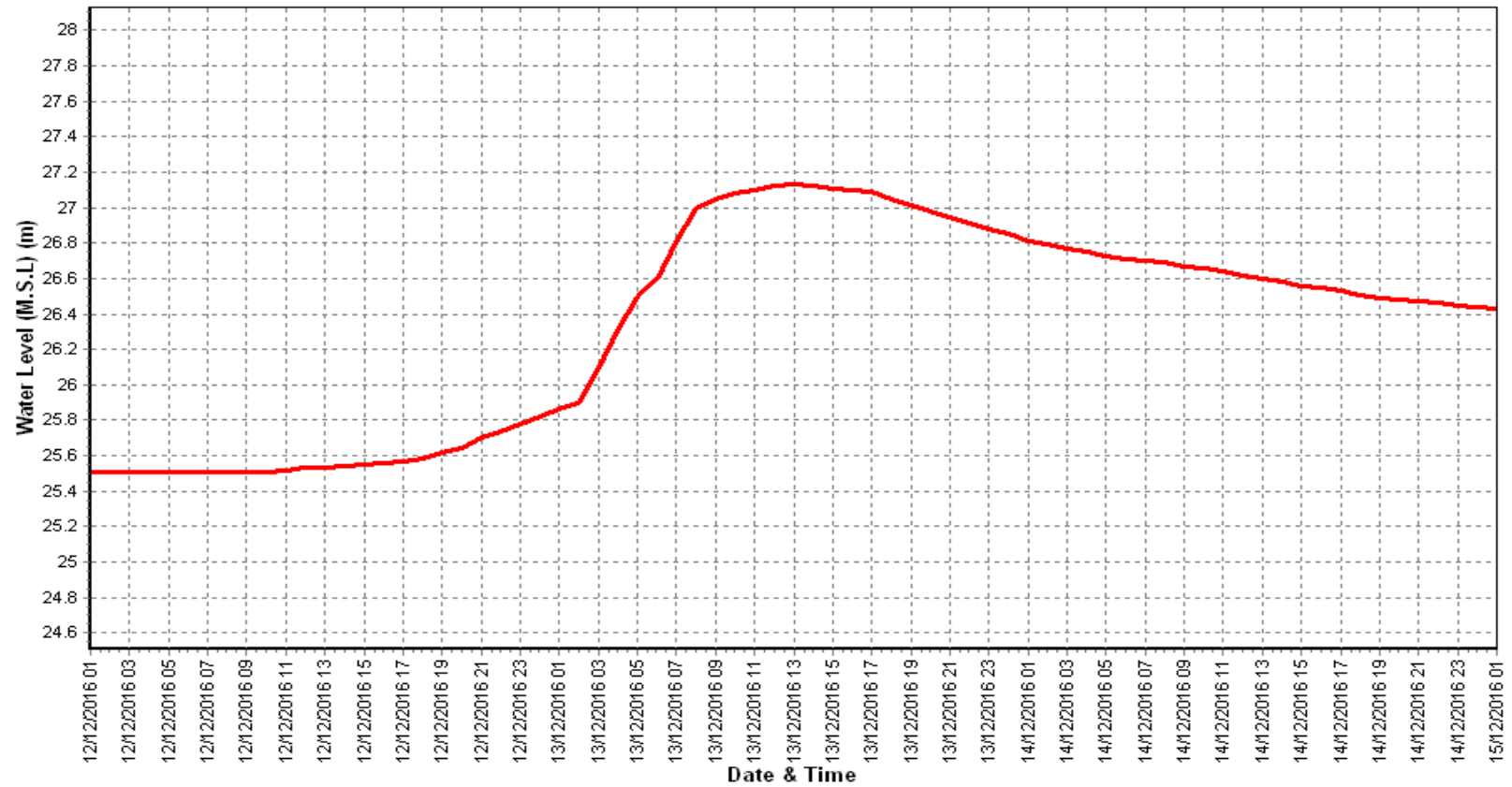
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2016-2017

Station Name : Chengalpet (CQ000C1)

Local River : Palar

Division : Hydrology Division, Chennai

Sub-Division : PPSD, Chennai



Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2016-2017

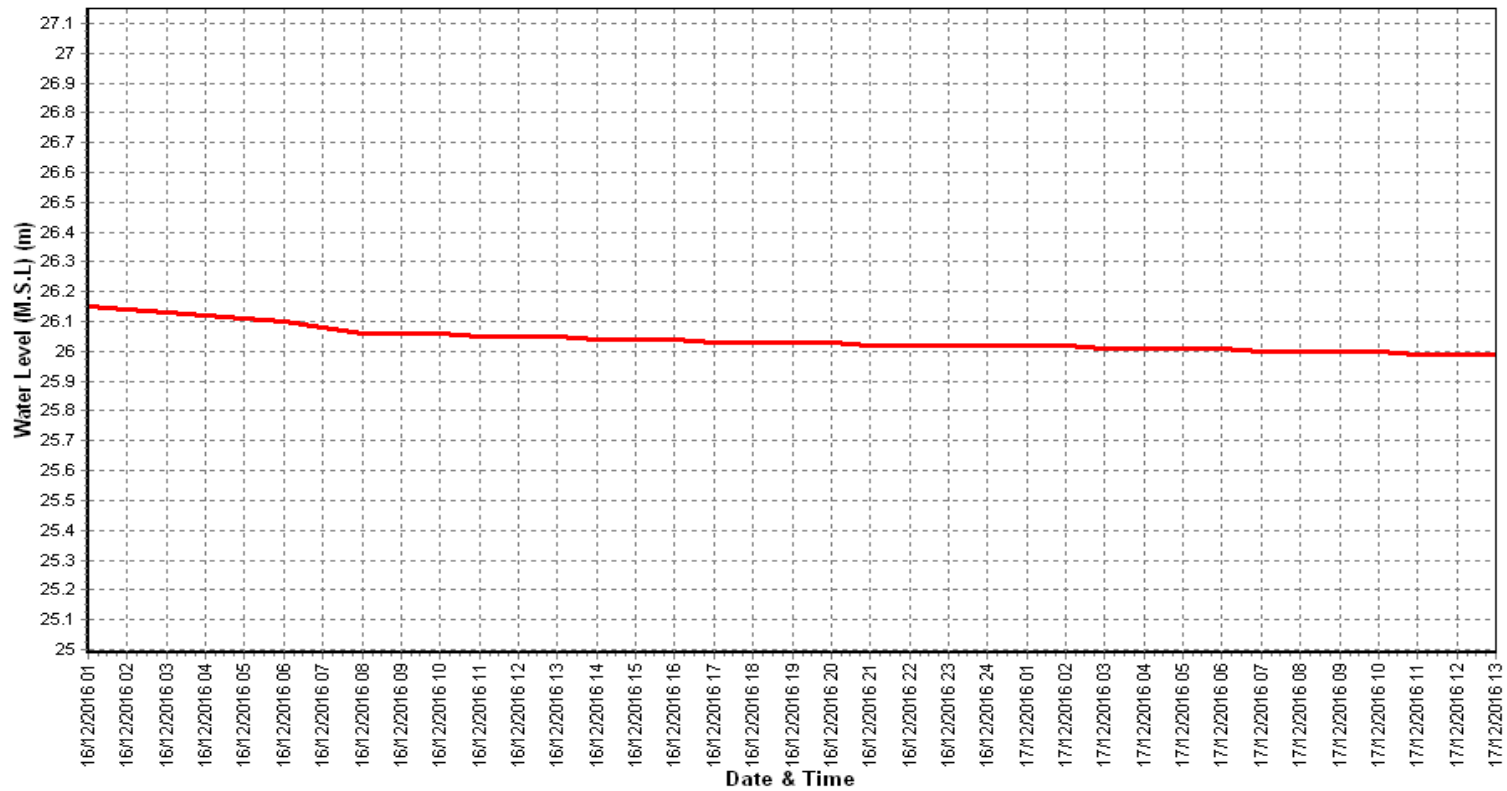
Station Name : Chengalpet (CQ000C1)

Local River : Palar

Division : Hydrology Division, Chennai

Sub-Division : PPSP, Chennai

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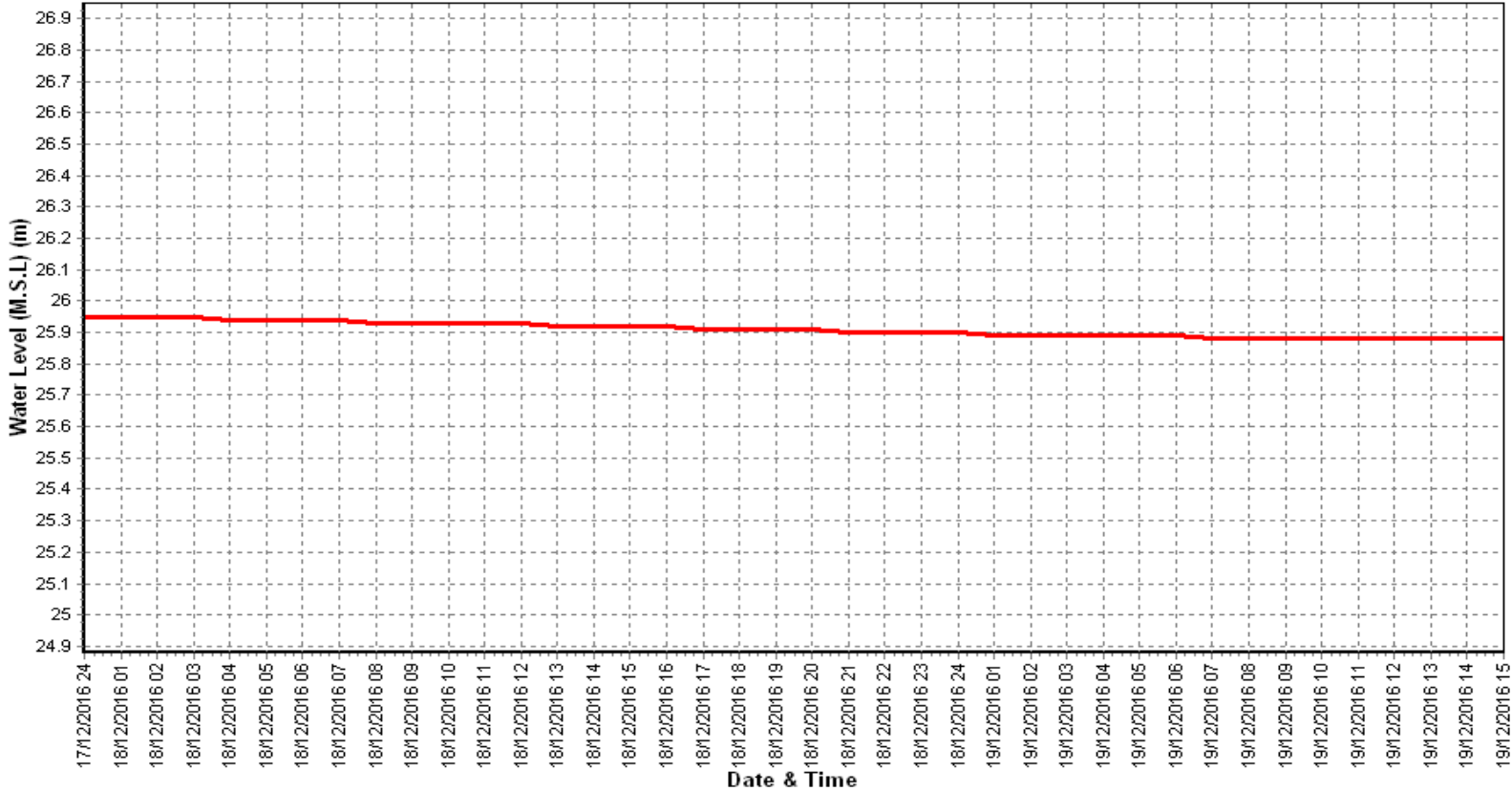
Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2016-2017

Station Name : Chengalpet (CQ000C1)
Local River : Palar

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai

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Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2016-2017

Site : MAGARAL

Code : CQB00B4

State : Tamil Nadu

District : Kancheepuram

Basin : EFR B Pennar-Cauvery

Independent River : Palar

Tributary : Cheyyar

Sub Tributary :

Sub-Sub Tributary :

Local River : Cheyyar

Division : HD, CWC, Chennai

Sub-Division : PPSD, CWC, Chennai

Drainage Area : 1803 Sq. Km.

Bank : Left

Latitude : 12°42'34"

Longitude : 79°44'57"

Zero of Gauge (m) : 58.000 (m.s.l)

25/11/1971

Opening Date

Closing Date

Gauge : 25/11/1971

Discharge : 25/11/1971

Sediment :

Water Quality : 01/11/1983

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1972-1973	1201	62.165	09/12/1972	0.000	Dry Bed	01/06/1972
1973-1974	14.30	59.715	17/12/1973	0.000	Dry Bed	01/06/1973
1974-1975	0.000	Dry Bed	04/10/1974	0.000	Dry Bed	01/06/1974
1975-1976	51.40	59.944	27/11/1975	0.000	Dry Bed	01/06/1975
1976-1977	428.1	60.840	26/11/1976	0.000	Dry Bed	01/06/1976
1977-1978	680.0	61.800	14/11/1977	0.000	Dry Bed	01/06/1977
1978-1979	71.20	60.070	29/12/1978	0.000	Dry Bed	01/06/1978
1979-1980	217.0	60.868	19/11/1979	0.000	Dry Bed	01/06/1979
1980-1981	0.000	Dry Bed	04/10/1980	0.000	Dry Bed	01/06/1980
1981-1982	12.50	59.930	31/10/1981	0.000	Dry Bed	01/06/1981
1982-1983	0.000	Dry Bed	04/10/1982	0.000	Dry Bed	01/06/1982
1983-1984	319.8	60.760	26/12/1983	0.000	Dry Bed	01/06/1983
1984-1985	98.60	60.250	21/07/1984	0.000	Dry Bed	01/06/1984
1985-1986	1596	62.210	13/11/1985	0.000	Dry Bed	01/06/1985
1986-1987	1.800	59.643	03/11/1986	0.000	Dry Bed	01/06/1986
1987-1988	4.983	59.665	26/12/1987	0.000	Dry Bed	01/06/1987
1988-1989	0.000	Dry Bed	04/10/1988	0.000	Dry Bed	01/06/1988
1989-1990	0.000	Dry Bed	04/10/1989	0.000	Dry Bed	01/06/1989
1990-1991	0.000	Dry Bed	24/09/1990	0.000	Dry Bed	01/06/1990

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1991-1992	799.9	61.722	18/11/1991	0.000	Dry Bed	01/06/1991
1992-1993	187.8	60.477	18/11/1992	0.000	Dry Bed	01/06/1992
1993-1994	109.5	60.290	06/12/1993	0.000	Dry Bed	01/06/1993
1994-1995	304.5	60.891	06/11/1994	0.000	Dry Bed	01/06/1994
1995-1996	11.21	59.905	25/08/1995	0.000	Dry Bed	01/06/1995
1996-1997	947.0	62.280	16/12/1996	0.000	Dry Bed	01/06/1996
1997-1998	402.0	60.985	08/12/1997	0.000	Dry Bed	01/06/1997
1998-1999	454.0	60.900	12/12/1998	0.000	Dry Bed	01/06/1998
1999-2000	4.019	59.610	29/11/1999	0.000	Dry Bed	01/06/1999
2000-2001	0.000	Dry Bed	04/10/2000	0.000	Dry Bed	01/06/2000
2001-2002	1.235	59.750	12/10/2001	0.000	Dry Bed	01/06/2001
2002-2003	0.000	Dry Bed	04/10/2002	0.000	Dry Bed	01/06/2002
2003-2004	0.000	Dry Bed	05/10/2003	0.000	Dry Bed	01/06/2003
2004-2005	0.000	Dry Bed	04/10/2004	0.000	Dry Bed	01/06/2004
2005-2006	606.6	60.980	05/12/2005	0.000	Dry Bed	01/06/2005
2006-2007	0.000	Dry Bed	01/06/2006	0.000	Dry Bed	01/06/2006
2007-2008	218.4	60.775	20/12/2007	0.000	Dry Bed	01/06/2007
2008-2009	225.7	60.520	29/11/2008	0.000	Dry Bed	01/06/2008
2009-2010	0.000	Dry Bed	01/06/2009	0.000	Dry Bed	01/06/2009
2010-2011	55.22	59.825	14/12/2010	0.000	Dry Bed	01/06/2010
2011-2012	27.40	59.600	28/11/2011	0.000	Dry Bed	01/06/2011
2012-2013	13.80	59.590	03/11/2012	0.000	Dry Bed	01/06/2012
2013-2014	0.000	Dry Bed	01/06/2013	0.000	Dry Bed	01/06/2013
2014-2015	0.000	Dry Bed	01/06/2014	0.000	Dry Bed	01/06/2014
2015-2016	1037	58.870	03/12/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : MAGARAL (CQB00B4)

Local River : Cheyyar

Division : HD, CWC, Chennai

Sub-Division : PPSD, CWC, Chennai

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000		0.000		0.000		0.000		0.000		0.000
12		0.000		0.000		0.000		0.000		0.000		0.000
13		0.000		0.000		0.000		0.000		0.000		0.000
14		0.000		0.000		0.000		0.000		0.000		0.000
15		0.000		0.000	DRY BED							0.000
16		0.000		0.000								0.000
17		0.000		0.000								0.000
18		0.000		0.000								0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000		0.000		0.000		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000		0.000		0.000		0.000		0.000
30		0.000		0.000		0.000		0.000		0.000		0.000
31				0.000		0.000				0.000		
Ten-Daily Mean												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
Monthly												
Min.		0.000		0.000		0.000		0.000		0.000		0.000
Max.		0.000		0.000		0.000		0.000		0.000		0.000
Mean		0		0		0		0		0		0

Annual Runoff in MCM = 0 Annual Runoff in mm = 0

Peak Observed Discharge = 0.000 cumecs on 01/06/2016

Lowest Observed Discharge = 0.000 cumecs on 01/06/2016

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

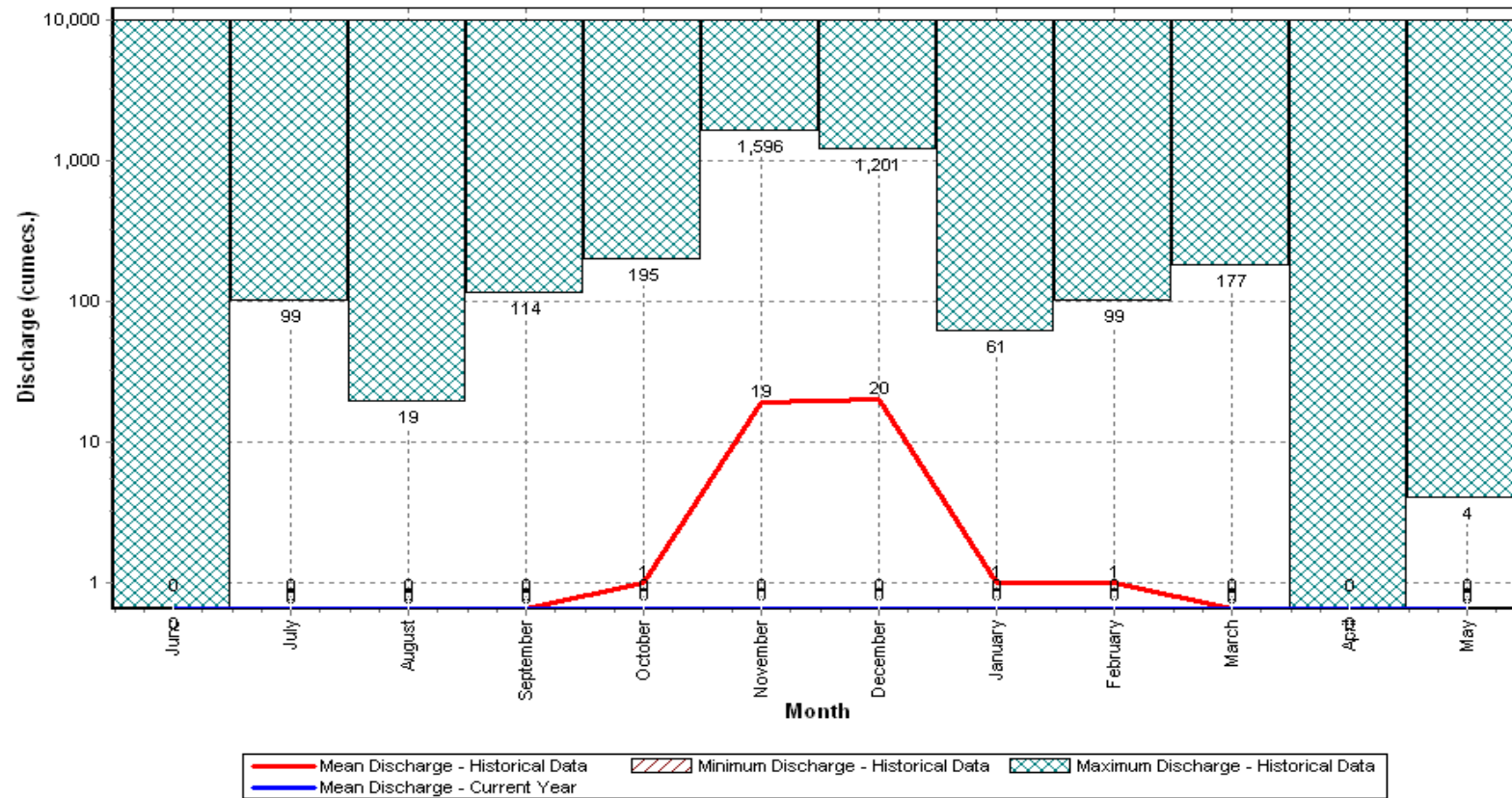
Note:Missing values ignored while arriving at Annual Runoff

Station Name : MAGARAL (CQB00B4)
Local River : Cheyyar

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017 Data considered : 1972-2017

Division : HD, CWC, Chennai
Sub-Division : PPSD, CWC, Chennai

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Annual Runoff Values for the period: 1972 - 2017

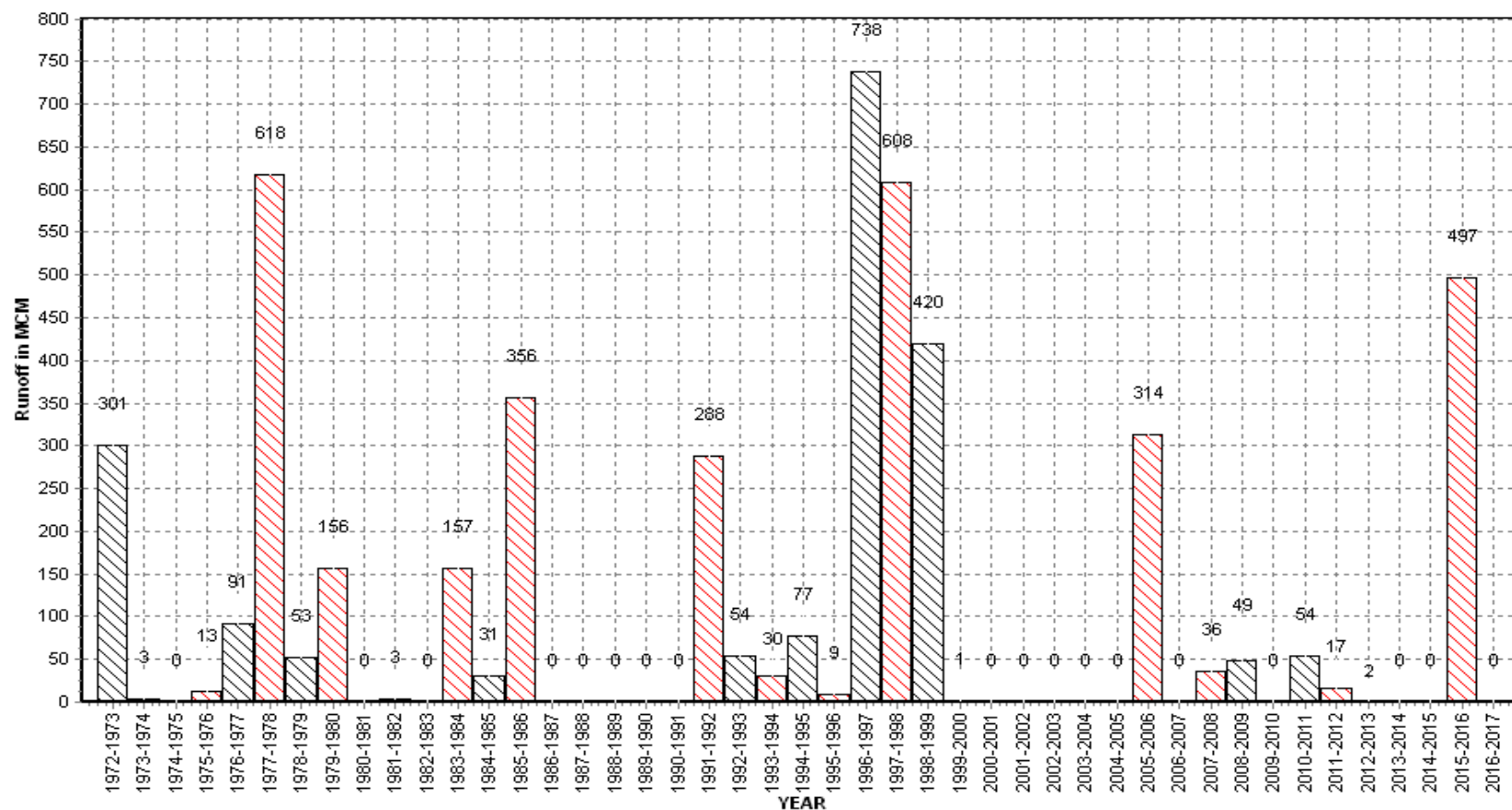
Station Name : MAGARAL (CQB00B4)

Local River : Cheyyar

Division : HD, CWC, Chennai

Sub-Division : PPSD, CWC, Chennai

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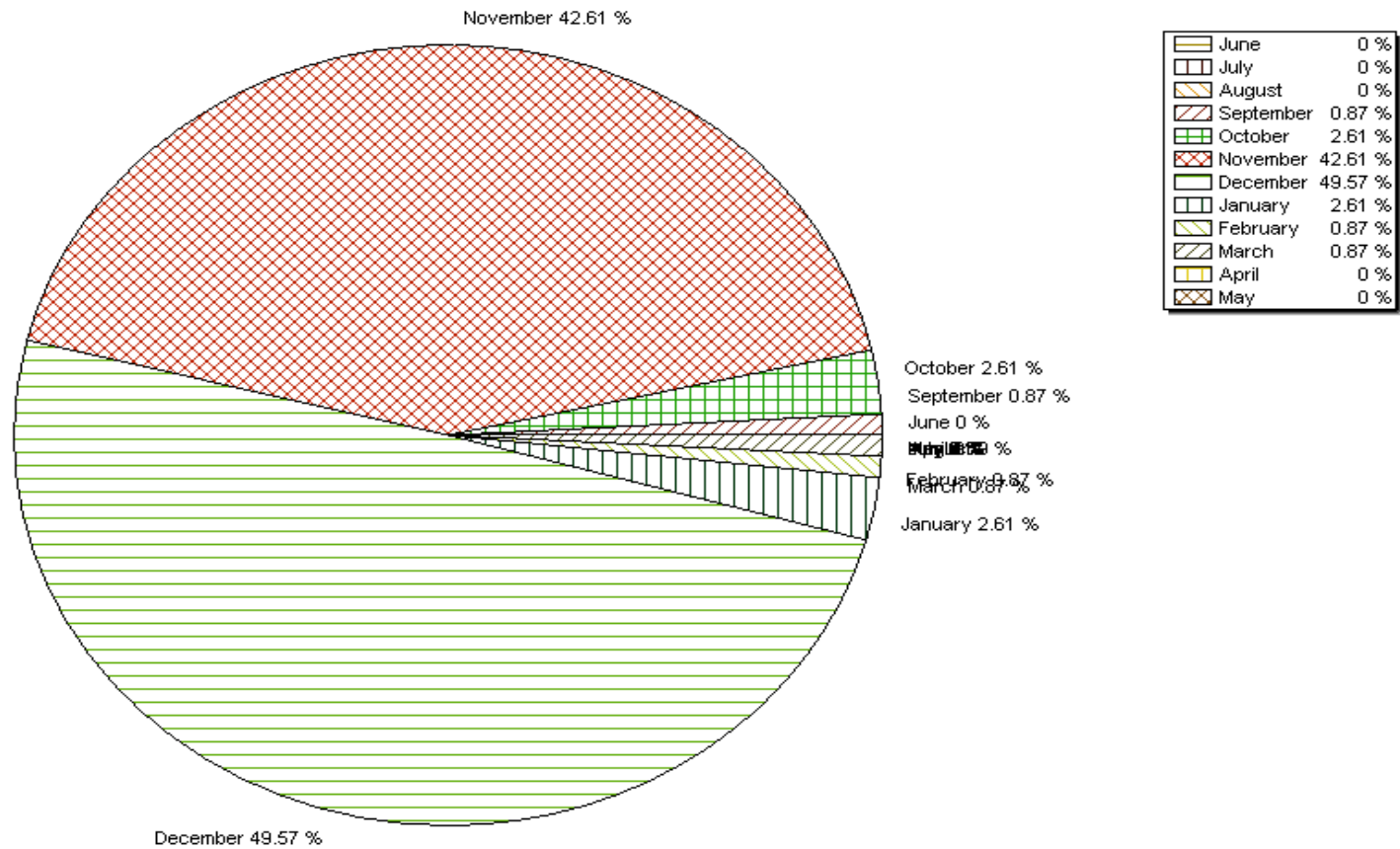


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : MAGARAL (CQB00B4)
Local River : Cheyyar

Monthly Average Runoff based on period : 1972-2016

Division : HD, CWC, Chennai
Sub-Division : PPSD, CWC, Chennai

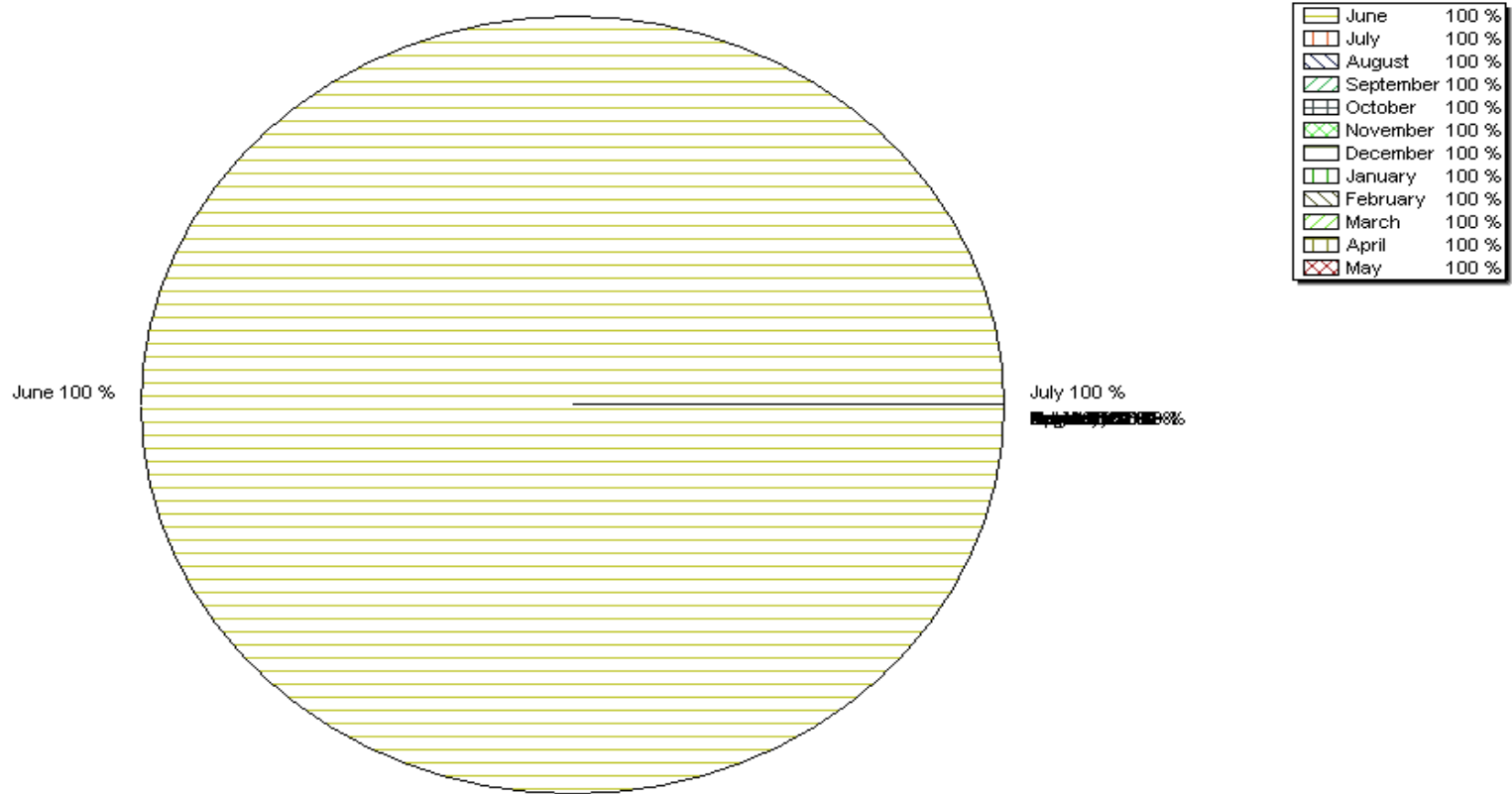


Monthly Runoff for the Year : 2016-2017

Station Name : MAGARAL (CQB00B4)
Local River : Cheyyar

Division : HD, CWC, Chennai
Sub-Division : PPSD, CWC, Chennai

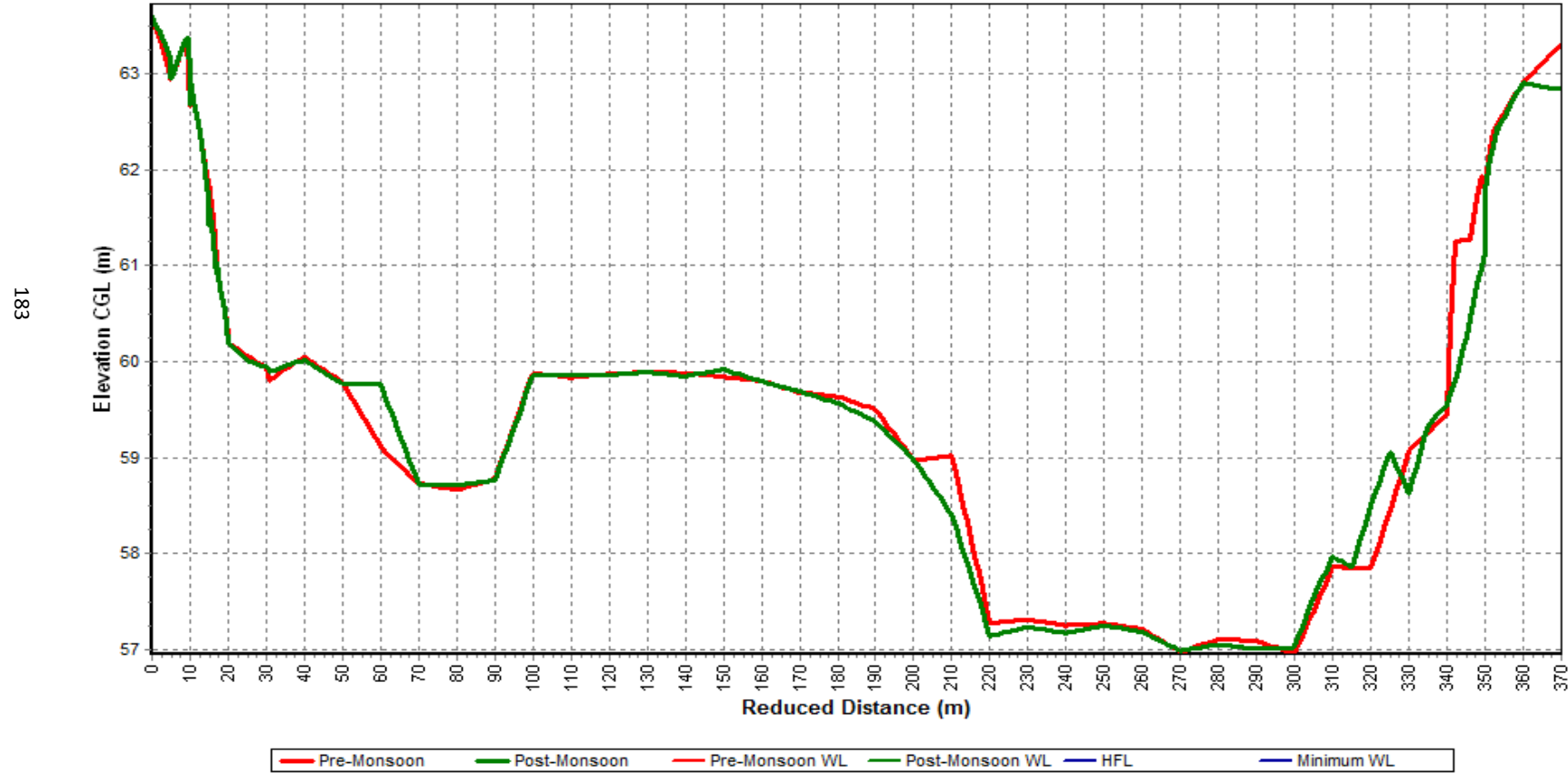
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Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : MAGARAL (CQB00B4)
Local River : Cheyyar

Division : HD, CWC, Chennai
Sub-Division : PPSD, CWC, Chennai



HISTORY SHEET

Water Year : 2016-2017

Site : Arcot

Code : CQ00017

State : Tamil Nadu

District : Vellore

Basin : EFR B Pennar-Cauvery

Independent River : Palar

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Palar

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

Drainage Area : 10174 Sq. Km.

Bank : Right

Latitude : 12°54'50"

Longitude : 79°20'00"

Zero of Gauge (m) : 159.000 (m.s.l)
156.810 (m.s.l)20/09/1979 - 31/05/2008
01/06/2008

Opening Date

Closing Date

Gauge : 20/09/1979

Discharge : 20/09/1979

Sediment :

Water Quality : 01/06/1988

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1980-1981	0.000	Dry Bed	01/06/1980	0.000	Dry Bed	01/06/1980
1981-1982	528.2	160.665	13/09/1981	0.000	Dry Bed	01/06/1981
1982-1983	0.000	Dry Bed	01/06/1982	0.000	Dry Bed	01/06/1982
1983-1984	183.3	160.590	12/09/1983	0.000	Dry Bed	01/06/1983
1984-1985	31.80	160.300	10/10/1984	0.000	Dry Bed	01/06/1984
1985-1986	105.0	160.515	14/11/1985	0.000	Dry Bed	01/06/1985
1986-1987	0.000	Dry Bed	01/06/1986	0.000	Dry Bed	01/06/1986
1987-1988	0.000	Dry Bed	01/06/1987	0.000	Dry Bed	01/06/1987
1988-1989	103.8	160.450	27/09/1988	0.000	Dry Bed	01/06/1988
1989-1990	0.000	Dry Bed	01/06/1989	0.000	Dry Bed	01/06/1989
1990-1991	0.000	Dry Bed	01/06/1990	0.000	Dry Bed	01/06/1990
1991-1992	1229	161.047	18/11/1991	0.000	Dry Bed	01/06/1991
1992-1993	0.715	159.755	24/11/1992	0.000	Dry Bed	01/06/1992
1993-1994	150.9	160.250	07/12/1993	0.000	Dry Bed	01/06/1993
1994-1995	10.54	159.760	07/11/1994	0.000	Dry Bed	01/06/1994
1995-1996	22.39	159.830	22/08/1995	0.000	Dry Bed	01/06/1995
1996-1997	374.0	160.540	16/12/1996	0.000	Dry Bed	01/06/1996
1997-1998	37.40	159.890	07/12/1997	0.000	Dry Bed	01/06/1997

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1998-1999	51.20	160.340	08/11/1998	0.000	Dry Bed	01/06/1998
1999-2000	0.000	Dry Bed	01/06/1999	0.000	Dry Bed	01/06/1999
2000-2001	0.000	Dry Bed	01/06/2000	0.000	Dry Bed	01/06/2000
2001-2002	32.81	159.950	14/10/2001	0.000	Dry Bed	01/06/2001
2002-2003	0.000	Dry Bed	01/06/2002	0.000	Dry Bed	01/06/2002
2003-2004	0.000	Dry Bed	01/06/2003	0.000	Dry Bed	01/06/2003
2004-2005	0.000	Dry Bed	01/06/2004	0.000	Dry Bed	01/06/2004
2005-2006	139.9	160.120	26/10/2005	0.000	Dry Bed	01/06/2005
2006-2007	0.000	Dry Bed	01/06/2006	0.000	Dry Bed	01/06/2006
2007-2008	9.913	159.360	21/12/2007	0.000	Dry Bed	01/06/2007
2008-2009	1.650	159.190	30/11/2008	0.000	Dry Bed	01/06/2008
2009-2010	0.000	Dry Bed	01/06/2009	0.000	Dry Bed	01/06/2009
2010-2011	6.460	159.240	02/12/2010	0.000	Dry Bed	01/06/2010
2011-2012	0.000	Dry Bed	01/06/2011	0.000	Dry Bed	01/06/2011
2012-2013	0.000	Dry Bed	01/06/2012	0.000	Dry Bed	01/06/2012
2013-2014	0.000	Dry Bed	01/06/2013	0.000	Dry Bed	01/06/2013
2014-2015	0.000	Dry Bed	01/06/2014	0.000	Dry Bed	01/06/2014
2015-2016	219.1	159.755	25/11/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : Arcot (CQ00017)

Division : Hydrology Division, Chennai

Local River : Palar

Sub-Division : PPSD, Chennai

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000	157.910	5.210 *	157.620	0.000	157.530	0.000		0.000
2		0.000		0.000	157.860	3.035 #	157.620	0.000	157.530	0.000		0.000
3		0.000		0.000	157.860	2.735	157.610	0.000	157.530	0.000		0.000
4		0.000		0.000	157.840	2.309	157.600	0.000	157.530	0.000		0.000
5		0.000		0.000	157.840	2.313	157.600	0.000	157.530	0.000		0.000
6		0.000		0.000	157.810	0.000	157.590	0.000	157.520	0.000		0.000
7		0.000		0.000	157.810	0.000	157.580	0.000	157.520	0.000		0.000
8		0.000		0.000	157.800	0.000	157.580	0.000	157.520	0.000		0.000
9		0.000		0.000	157.800	0.000	157.580	0.000	157.520	0.000		0.000
10		0.000		0.000	157.790	0.000	157.580	0.000	157.520	0.000		0.000
11		0.000		0.000	157.770	0.000	157.580	0.000	157.520	0.000		0.000
12		0.000		0.000	157.710	0.000	157.580	0.000	157.520	0.000		0.000
13		0.000		0.000	157.740	0.000	157.570	0.000	157.530	0.000		0.000
14		0.000		0.000	157.740	0.000	157.570	0.000	157.530	0.000		0.000
15		0.000		0.000	157.740	0.000	157.570	0.000	157.530	0.000		0.000
16		0.000		0.000	157.740	0.000	157.570	0.000	157.530	0.000		0.000
17		0.000		0.000	157.730	0.000	157.580	0.000	157.520	0.000		0.000
18		0.000		0.000	157.730	0.000	157.580	0.000	157.500	0.000		0.000
19		0.000		0.000	157.730	0.000	157.580	0.000	157.480	0.000		0.000
20		0.000		0.000	157.700	0.000	157.570	0.000	157.450	0.000		0.000
21		0.000		0.000	157.700	0.000	157.570	0.000	157.420	0.000		0.000
22		0.000		0.000	157.690	0.000	157.560	0.000	157.410	0.000		0.000
23		0.000		0.000	157.680	0.000	157.560	0.000	157.390	0.000		0.000
24		0.000		0.000	157.680	0.000	157.560	0.000		0.000		0.000
25		0.000		0.000	157.680	0.000	157.560	0.000		0.000		0.000
26		0.000	158.380	40.70	157.680	0.000	157.560	0.000		0.000		0.000
27		0.000	158.100	16.08	157.680	0.000	157.550	0.000		0.000		0.000
28		0.000	157.940	6.441	157.680	0.000	157.540	0.000		0.000		0.000
29		0.000	157.940	7.028	157.670	0.000	157.540	0.000		0.000		0.000
30		0.000	157.930	7.123	157.660	0.000	157.530	0.000		0.000		0.000
31			157.920	5.692 *	157.630	0.000				0.000		
Ten-Daily Mean												
I Ten-Daily		0.000		0.000	157.832	1.560	157.596	0.000	157.525	0.000		0.000
II Ten-Daily		0.000		0.000	157.733	0.000	157.575	0.000	157.511	0.000		0.000
III Ten-Daily		0.000	158.035	7.552	157.675	0.000	157.553	0.000	157.407	0.000		0.000
Monthly												
Min.		0.000	157.920	0.000	157.630	0.000	157.530	0.000	157.390	0.000		0.000
Max.		0.000	158.380	40.70	157.910	5.210	157.620	0.000	157.530	0.000		0.000
Mean		0	158.035	2.68	157.745	0.503	157.575	0	157.503	0		0

Annual Runoff in MCM = 9 Annual Runoff in mm = 1

Peak Observed Discharge = 40.70 cumecs on 26/07/2016 Corres. Water Level :158.38 m

Lowest Observed Discharge = 0.000 cumecs on 01/06/2016

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2016 - 2017

Station Name : Arcot (CQ00017)

Division : Hydrology Division, Chennai

Local River : Palar

Sub-Division : PPSD, Chennai

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000		0.000		0.000		0.000		0.000		0.000
12		0.000		0.000		0.000		0.000		0.000		0.000
13		0.000		0.000		0.000		0.000		0.000		0.000
14		0.000		0.000		0.000		0.000		0.000		0.000
15	157.710	0.000		0.000		0.000		0.000		0.000		0.000
16	157.690	0.000		0.000		0.000		0.000		0.000		0.000
17	157.670	0.000		0.000		0.000		0.000		0.000		0.000
18	157.620	0.000		0.000		0.000		0.000		0.000		0.000
19	157.590	0.000		0.000		0.000		0.000		0.000		0.000
20	157.540	0.000		0.000		0.000		0.000		0.000		0.000
21	157.520	0.000		0.000		0.000		0.000		0.000		0.000
22	157.520	0.000		0.000		0.000		0.000		0.000		0.000
23	157.510	0.000		0.000		0.000		0.000		0.000		0.000
24	157.500	0.000		0.000		0.000		0.000		0.000		0.000
25	157.500	0.000		0.000		0.000		0.000		0.000		0.000
26	157.490	0.000		0.000		0.000		0.000		0.000		0.000
27	157.480	0.000		0.000		0.000		0.000		0.000		0.000
28	157.470	0.000		0.000		0.000		0.000		0.000		0.000
29	157.470	0.000		0.000				0.000		0.000		0.000
30	157.470	0.000		0.000				0.000		0.000		0.000
31		0.000		0.000				0.000				0.000
<u>Ten-Daily Mean</u>												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily	157.637	0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily	157.493	0.000		0.000		0.000		0.000		0.000		0.000
<u>Monthly</u>												
Min.	157.470	0.000		0.000		0.000		0.000		0.000		0.000
Max.	157.710	0.000		0.000		0.000		0.000		0.000		0.000
Mean	157.547	0		0		0		0		0		0

Peak Computed Discharge = 5.692 cumecs on 31/07/2016

Corres. Water Level :157.92 m

Lowest Computed Discharge = 3.035 cumecs on 02/08/2016

Corres. Water Level :157.86 m

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

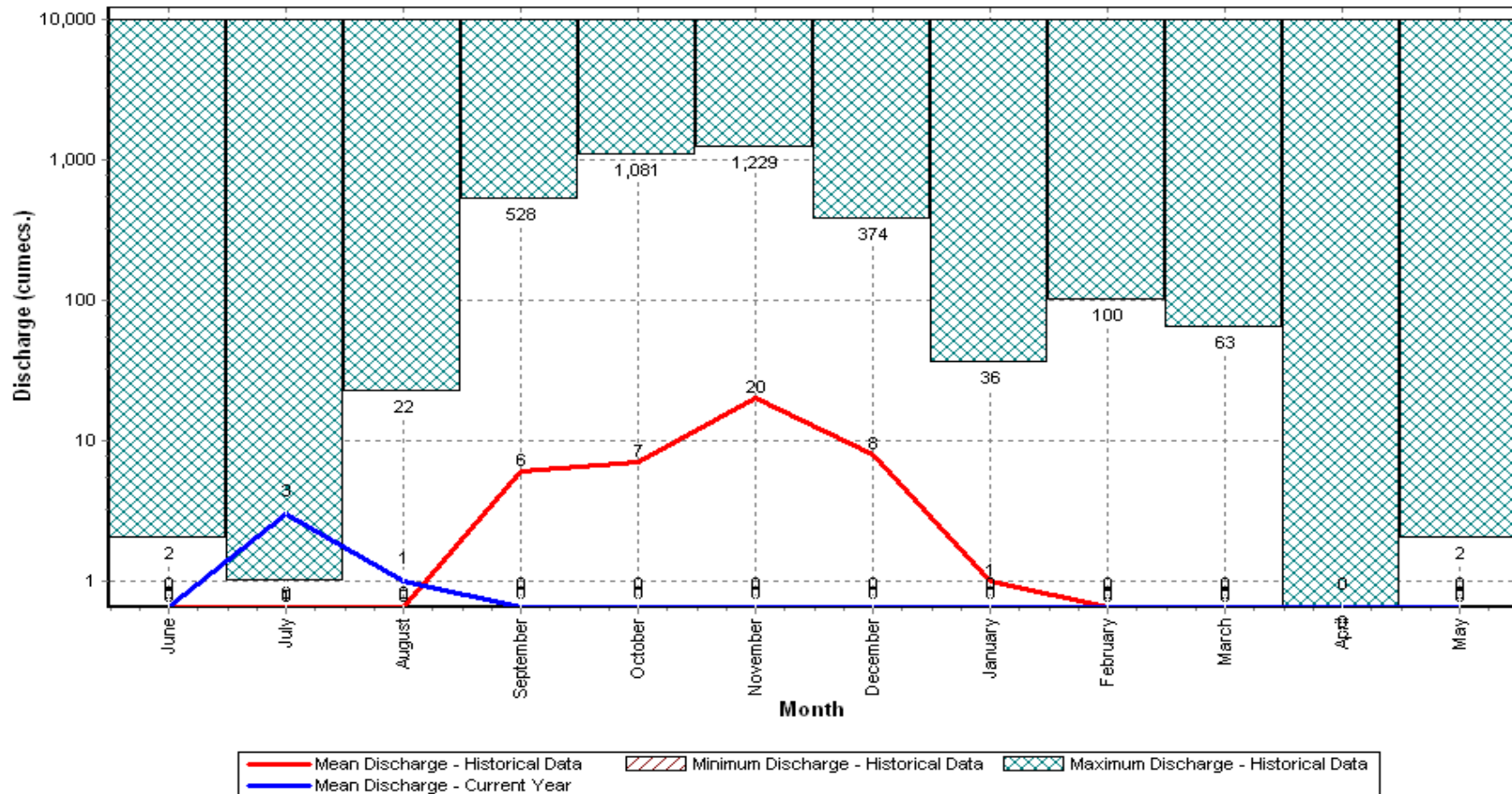
#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Station Name : Arcot (CQ00017)
Local River : Palar

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017 Data considered : 1980-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSP, Chennai



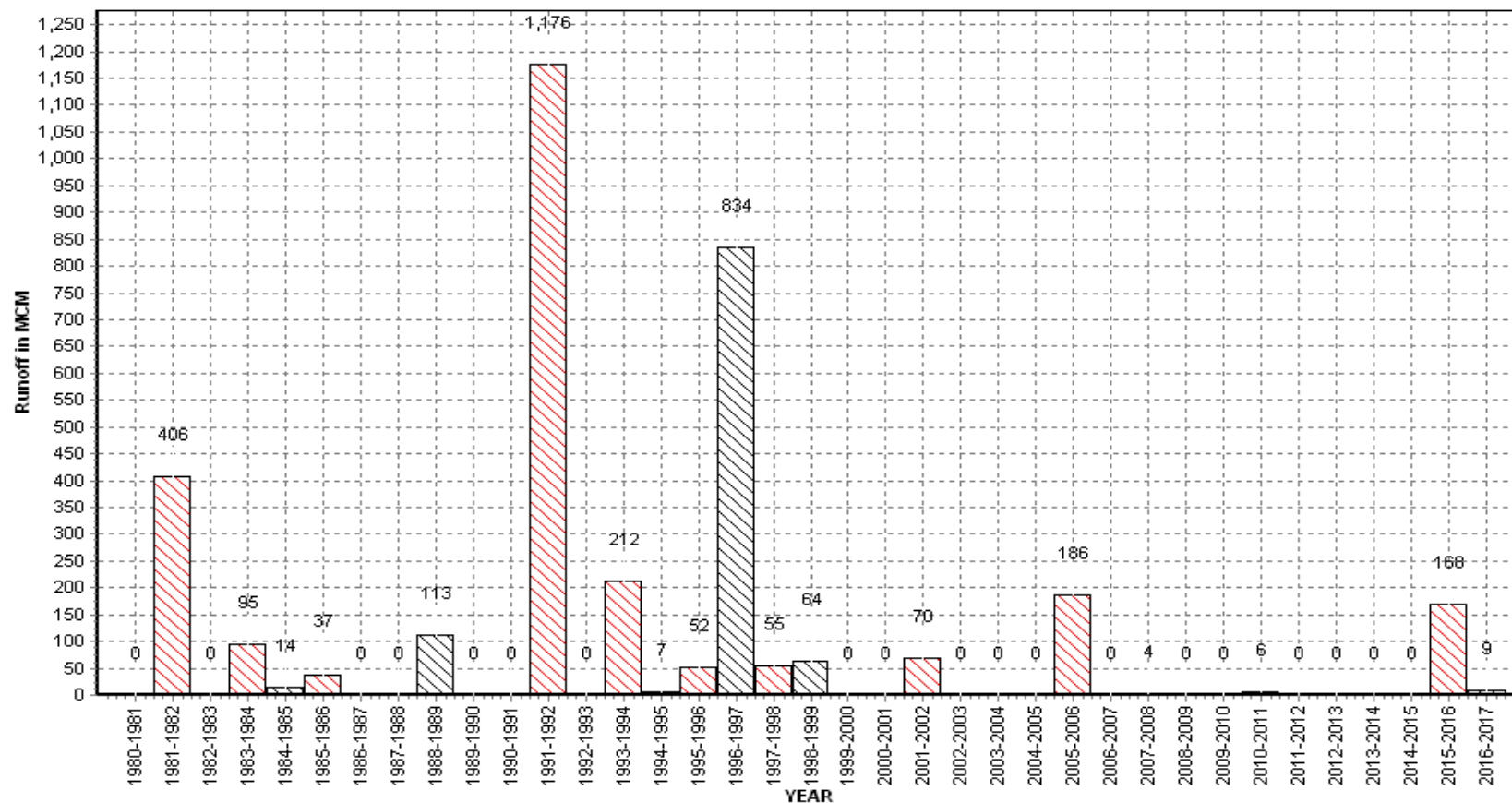
Annual Runoff Values for the period: 1980 - 2017

Station Name : Arcot (CQ00017)

Local River : Palar

Division : Hydrology Division, Chennai

Sub-Division : PPSD, Chennai

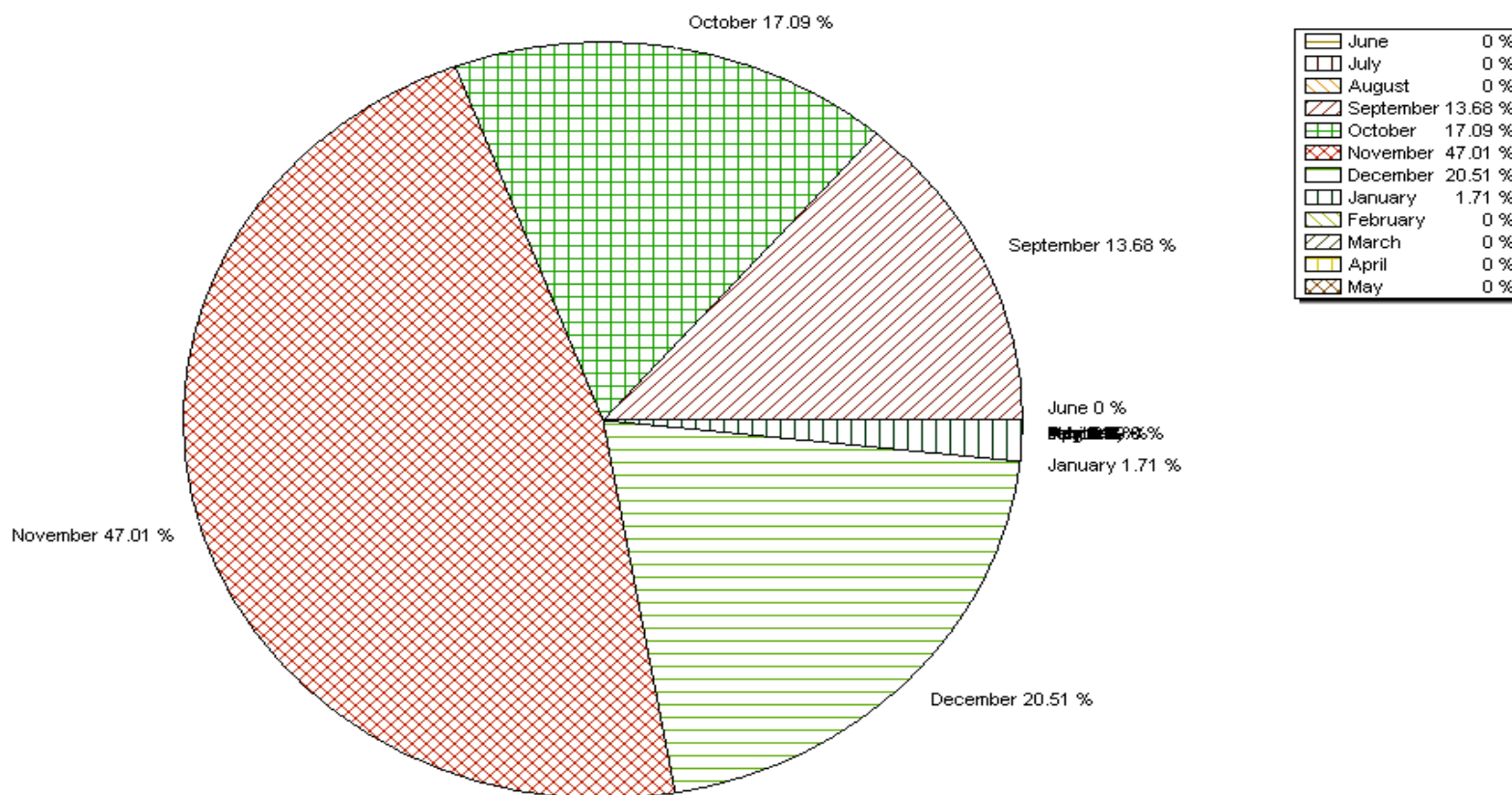


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Arcot (CQ00017)
Local River : Palar

Monthly Average Runoff based on period : 1980-2016

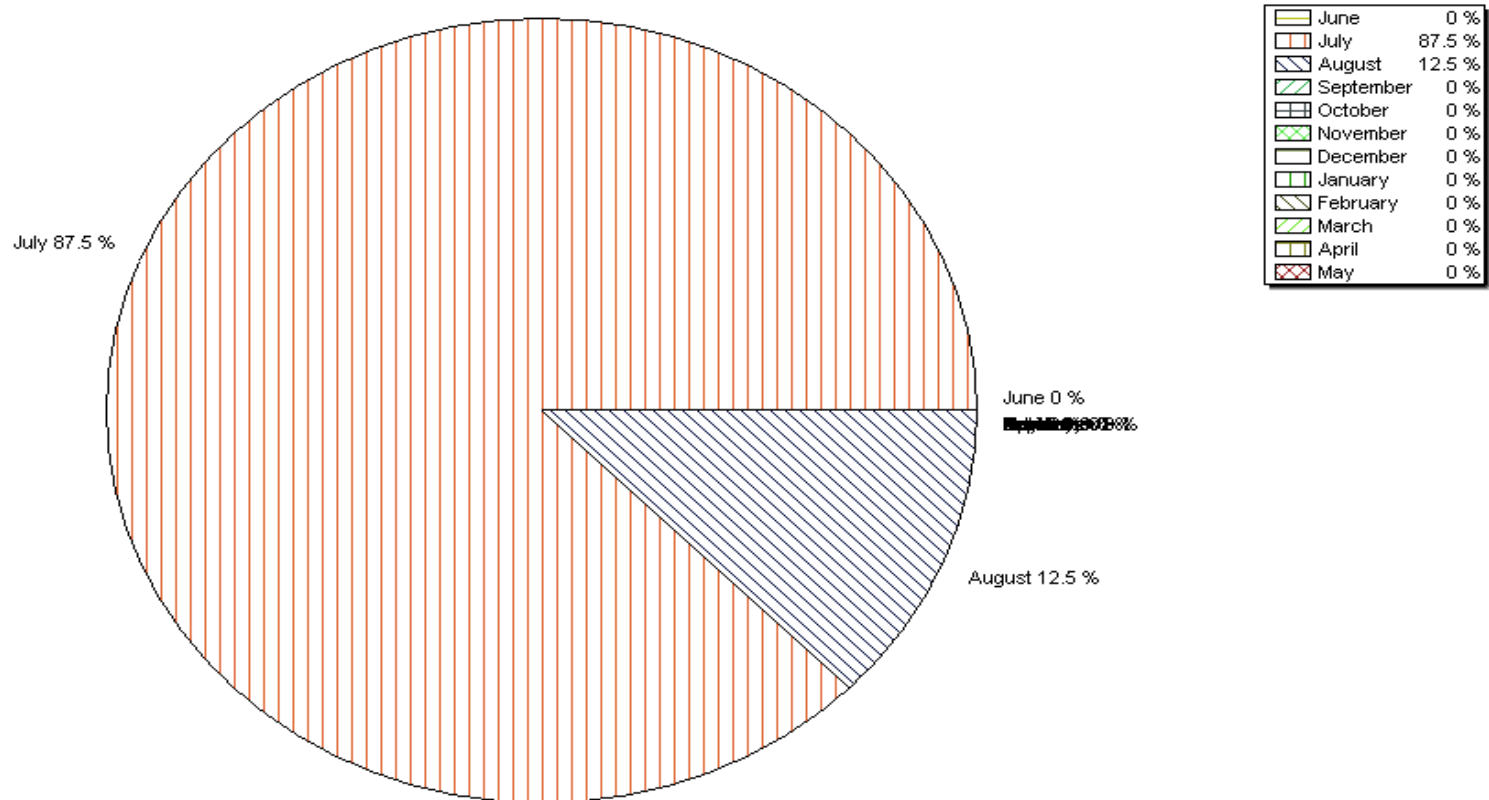
Division : Hydrology Division, Chennai
Sub-Division : PPSPD, Chennai



Station Name : Arcot (CQ00017)
Local River : Palar

Monthly Runoff for the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSP, Chennai



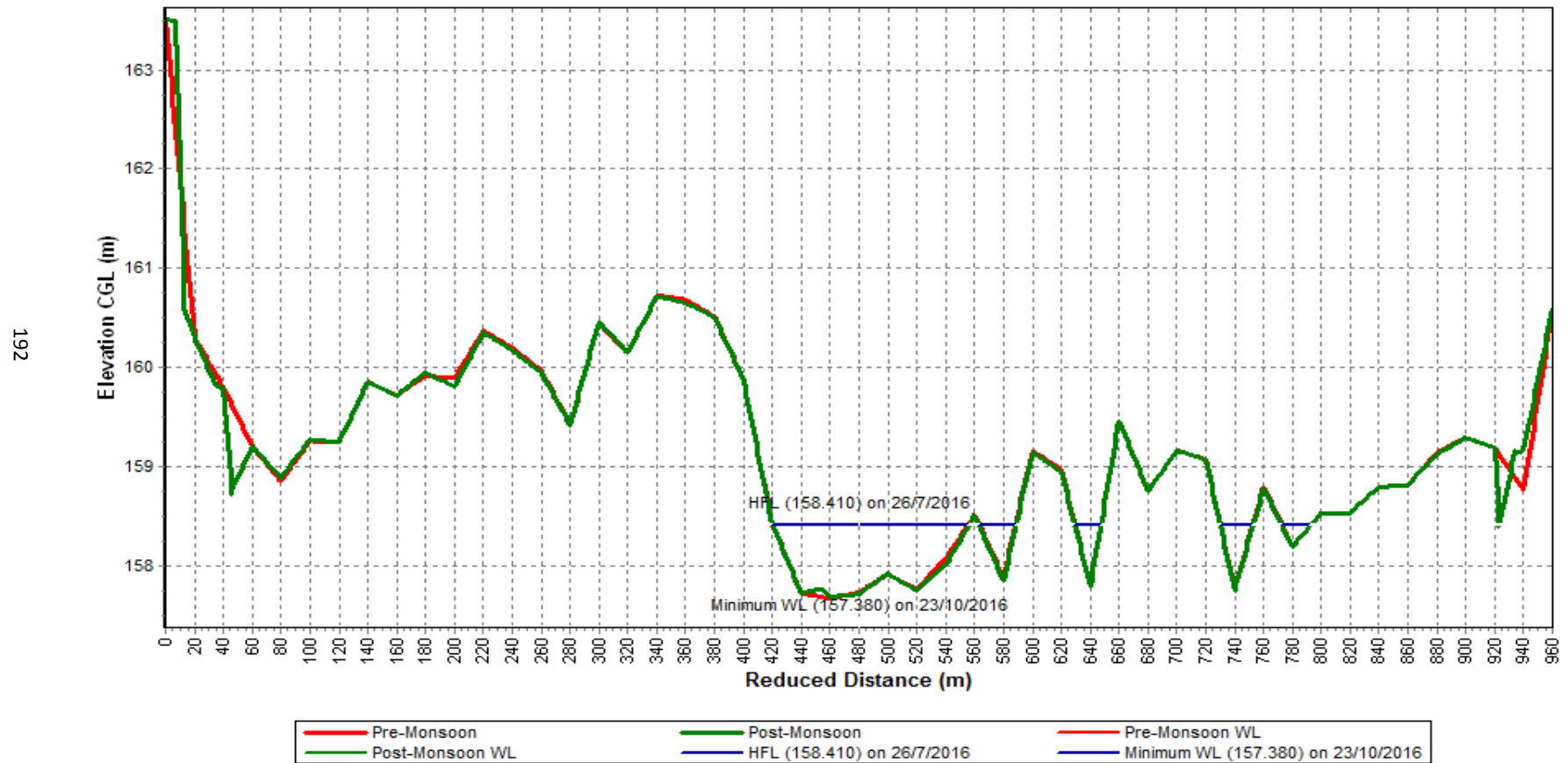
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : Arcot (CQ00017)

Local River : Palar

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai



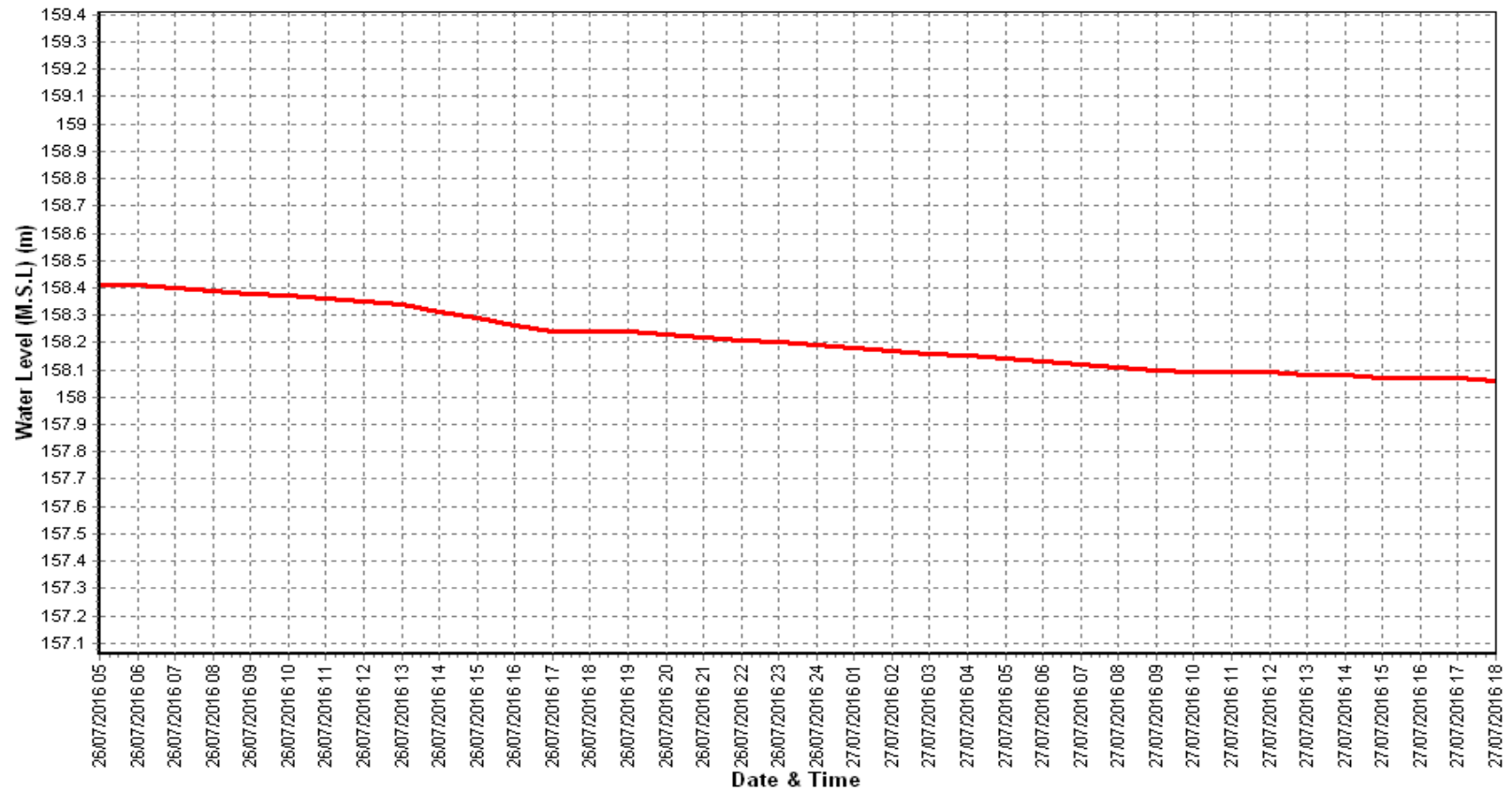
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2016-2017

Station Name : Arcot (CQ00017)

Local River : Palar

Division : Hydrology Division, Chennai

Sub-Division : PPSD, Chennai



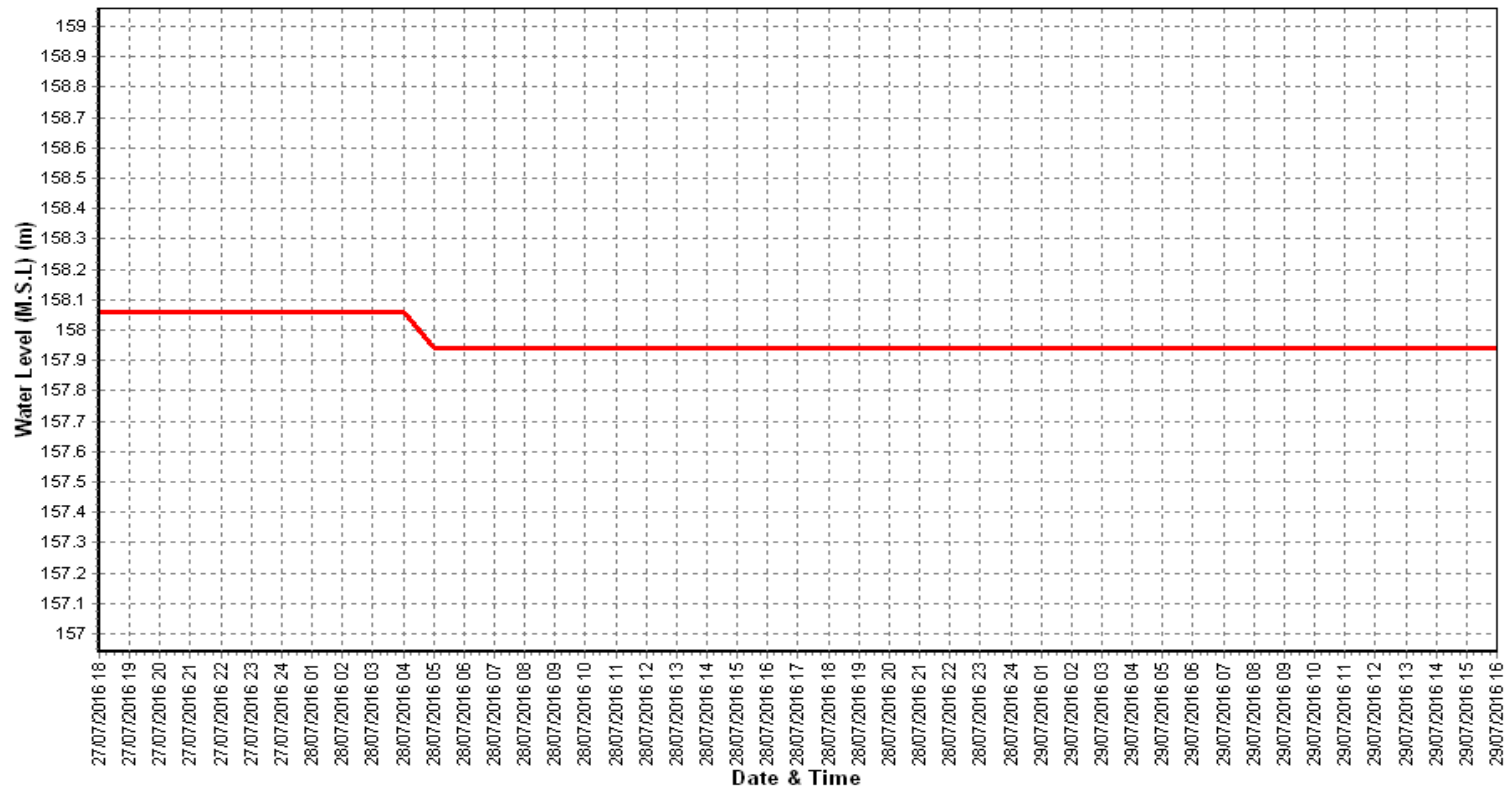
Time Span: 72 Hrs

Station Name : Arcot (CQ00017)
Local River : Palar

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai

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Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2016-2017

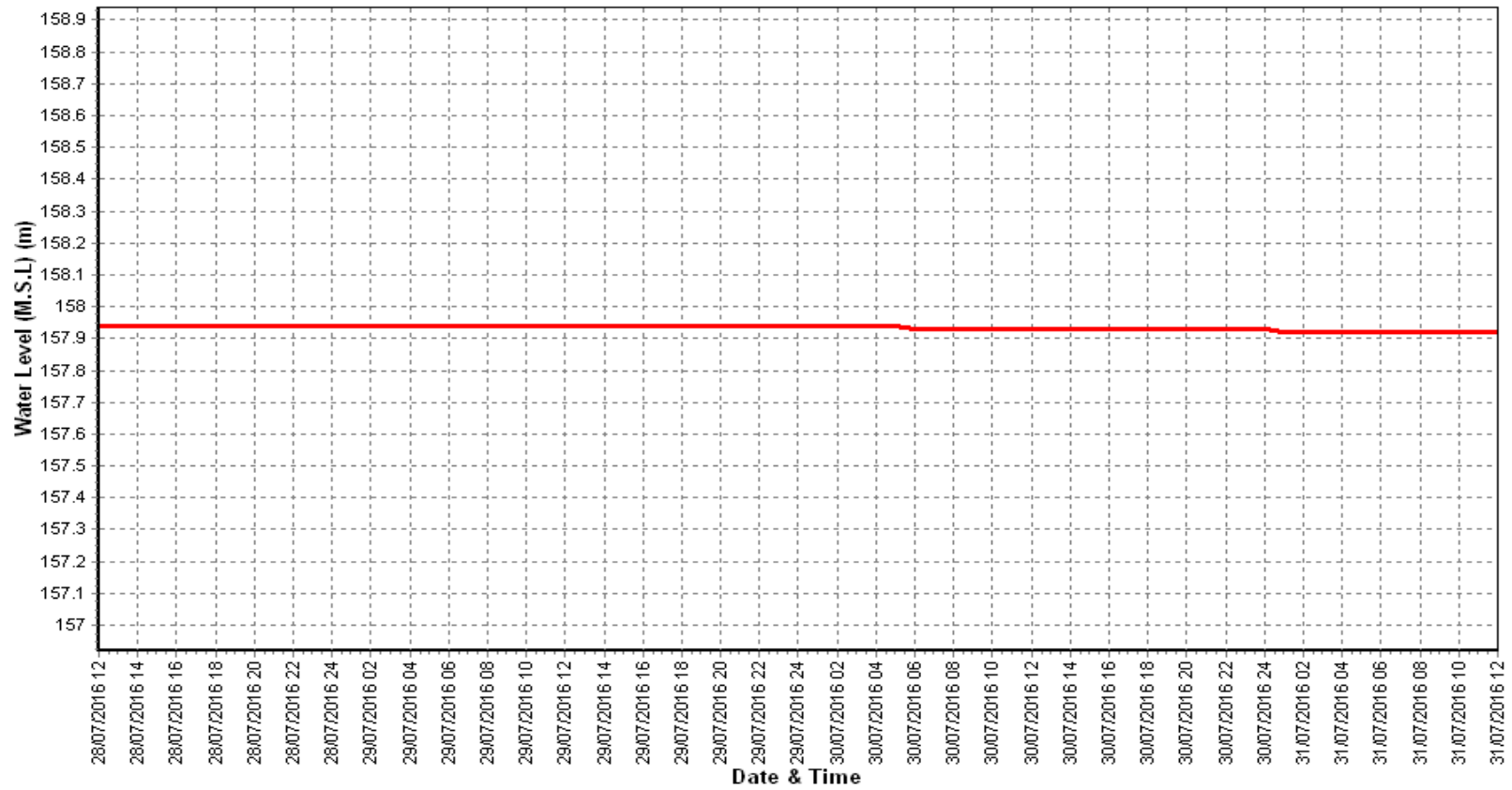
Station Name : Arcot (CQ00017)

Local River : Palar

Division : Hydrology Division, Chennai

Sub-Division : PPSD, Chennai

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Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2016-2017

Site : Avarankuppam

Code : CQ000S4

State : Tamil Nadu

District : Vellore

Basin : EFR B Pennar-Cauvery

Independent River : Palar

Tributary :

Sub Tributary :

Sub-Sub Tributary :

Local River : Palar

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

Drainage Area : 3300 Sq. Km.

Bank : Right

Latitude : 12°41'03"

Longitude : 78°32'22"

Zero of Gauge (m) : 365.275 (m.s.l)

07/06/1978

Opening Date

Closing Date

Gauge : 07/06/1978

Discharge : 07/06/1978

Sediment :

Water Quality : 01/08/1979

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1979-1980	290.9	368.363	19/11/1979	0.000	366.165	08/07/1979
1980-1981	1.900	366.400	25/10/1980	0.000	366.115	26/06/1980
1981-1982	290.0	368.450	11/09/1981	0.000	Dry Bed	01/06/1981
1982-1983	9.100	366.665	03/06/1982	0.000	366.335	30/06/1982
1983-1984	82.50	367.405	11/09/1983	0.000	366.620	01/06/1983
1984-1985	20.10	366.887	02/10/1984	0.000	366.300	01/06/1984
1985-1986	27.20	366.975	19/09/1985	0.000	366.300	12/06/1985
1986-1987	48.00	367.285	07/10/1986	0.000	Dry Bed	01/06/1986
1987-1988	51.65	367.515	14/10/1987	0.000	Dry Bed	01/06/1987
1988-1989	139.6	367.750	26/09/1988	0.000	366.125	05/06/1988
1989-1990	45.26	367.115	01/10/1989	0.000	Dry Bed	01/06/1989
1990-1991	9.271	366.670	14/10/1990	0.000	Dry Bed	09/09/1990
1991-1992	182.9	367.854	18/11/1991	0.000	Dry Bed	01/06/1991
1992-1993	12.23	366.645	17/10/1992	0.000	Dry Bed	04/07/1992
1993-1994	58.20	367.278	05/12/1993	0.000	Dry Bed	01/06/1993
1994-1995	9.868	366.600	06/11/1994	0.000	Dry Bed	01/06/1994
1995-1996	146.6	367.615	02/11/1995	0.000	366.130	09/06/1995
1996-1997	212.0	368.035	19/10/1996	0.000	Dry Bed	01/06/1996
1997-1998	18.10	366.785	19/11/1997	0.000	Dry Bed	01/06/1997

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1998-1999	109.6	367.495	12/10/1998	0.000	Dry Bed	01/06/1998
1999-2000	19.34	366.790	22/10/1999	0.000	Dry Bed	01/06/1999
2000-2001	2.188	366.160	25/10/2000	0.000	Dry Bed	01/06/2000
2001-2002	225.2	367.855	06/10/2001	0.000	Dry Bed	01/06/2001
2002-2003	0.810	366.095	10/06/2002	0.000	Dry Bed	01/06/2002
2003-2004	2.097	366.155	22/10/2003	0.000	Dry Bed	01/06/2003
2004-2005	2.996	366.245	13/07/2004	0.000	Dry Bed	14/06/2004
2005-2006	405.9	368.405	24/10/2005	0.000	Dry Bed	01/06/2005
2006-2007	40.52	366.735	09/10/2006	0.000	Dry Bed	13/06/2006
2007-2008	4.801	366.275	20/12/2007	0.000	Dry Bed	01/06/2007
2008-2009	43.37	366.915	26/10/2008	0.000	Dry Bed	01/06/2008
2009-2010	32.81	366.620	18/09/2009	0.000	Dry Bed	01/06/2009
2010-2011	17.15	366.510	08/11/2010	0.000	Dry Bed	01/06/2010
2011-2012	43.09	366.845	18/08/2011	0.000	365.855	18/06/2011
2012-2013	4.451	366.175	01/11/2012	0.000	Dry Bed	01/06/2012
2013-2014	0.000	Dry Bed	01/06/2013	0.000	Dry Bed	01/06/2013
2014-2015	0.000	Dry Bed	01/06/2014	0.000	Dry Bed	01/06/2014
2015-2016	12.04	366.225	16/11/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : Avarankuppam (CQ000S4)

Division : SR Division, Coimbatore

Local River : Palar

Sub-Division : LCSD, Trichi

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000		0		0		0		0		0.000
12		0.000		0		0		0		0		0.000
13		0.000		0		0		0		0		0.000
14		0.000		0.000		0.000		0.000		0.000		0.000
15		0.000		0.000		0.000		0.000		0.000		0.000
16		0.000		0.000		0.000		0.000		0.000		0.000
17		0.000		0.000		0.000		0.000		0.000		0.000
18		0.000		0.000		0.000		0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000		0.000		0.000		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000				0.000		0.000		0.000
30		0.000		0.000				0.000		0.000		0.000
31		0.000		0.000				0.000				0.000
DRY BED												
Ten-Daily Mean												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
Monthly												
Min.		0.000		0.000		0.000		0.000		0.000		0.000
Max.		0.000		0.000		0.000		0.000		0.000		0.000
Mean		0		0		0		0		0		0

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017

Station Name : Avarankuppam (CQ000S4)

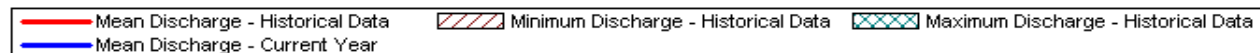
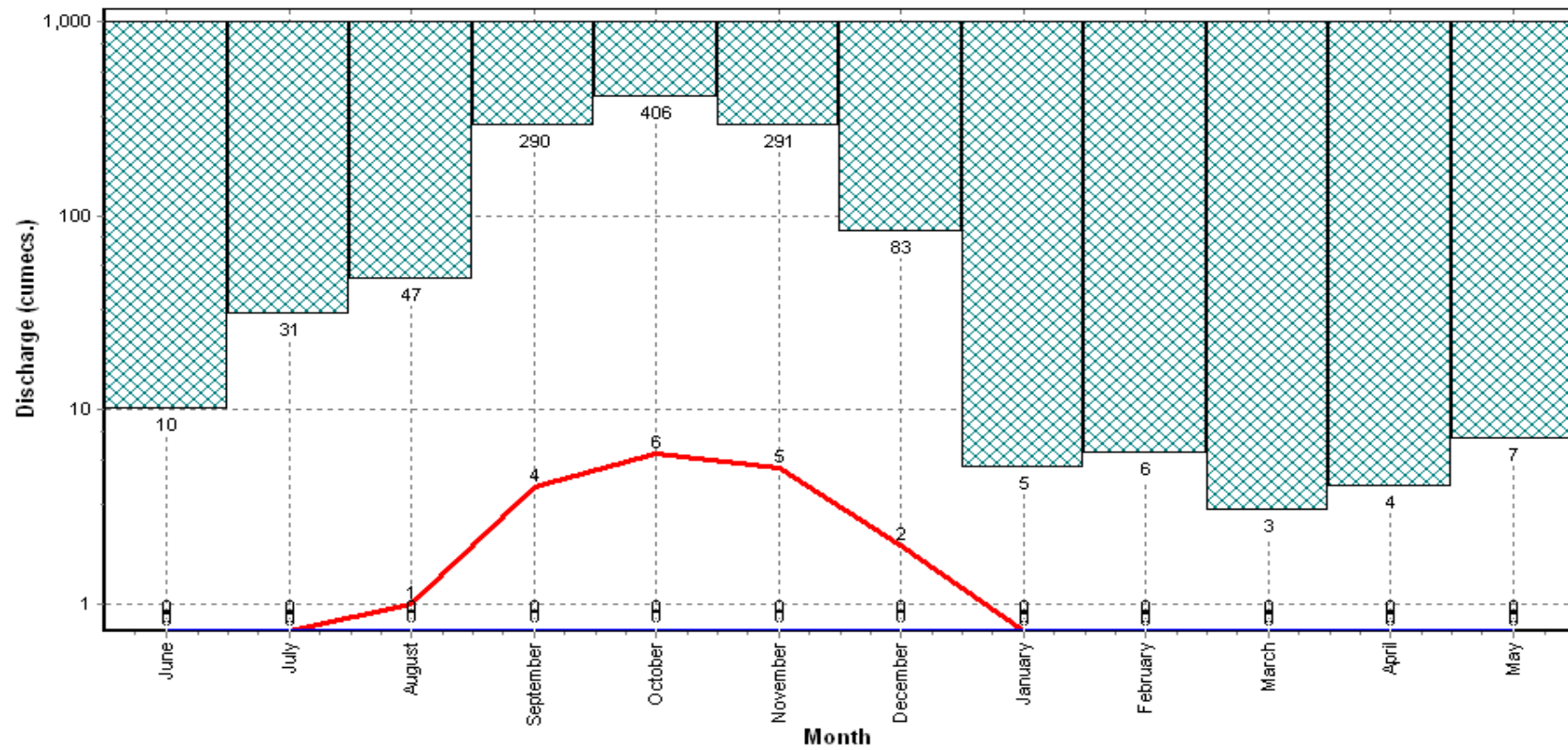
Data considered : 1979-2017

Division : SR Division, Coimbatore

Local River : Palar

Sub-Division : LCSD, Trichi

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Annual Runoff Values for the period: 1979 - 2017

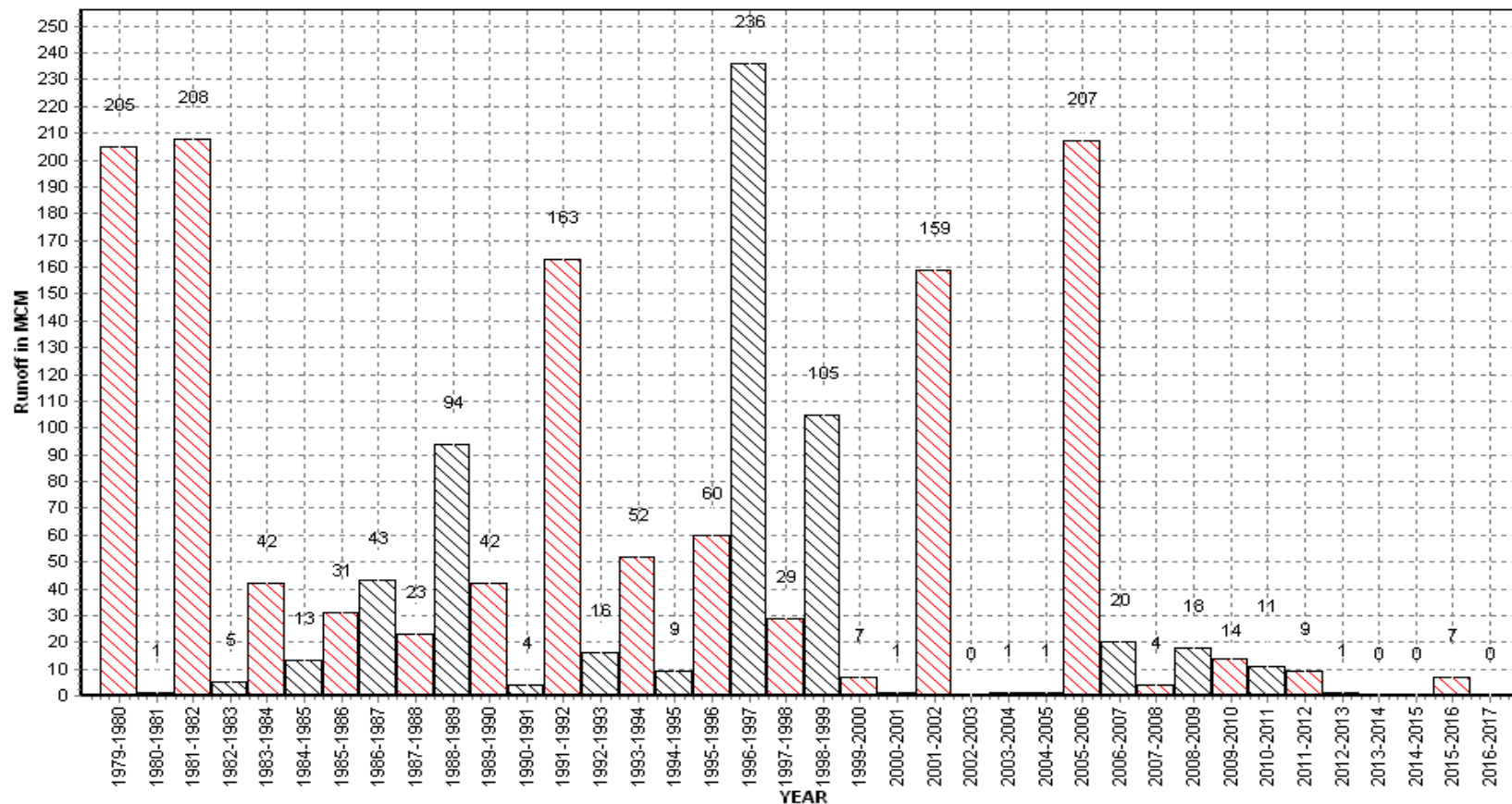
Station Name : Avarankuppam (CQ000S4)

Local River : Palar

Division : SR Division, Coimbatore

Sub-Division : LCSD, Trichi

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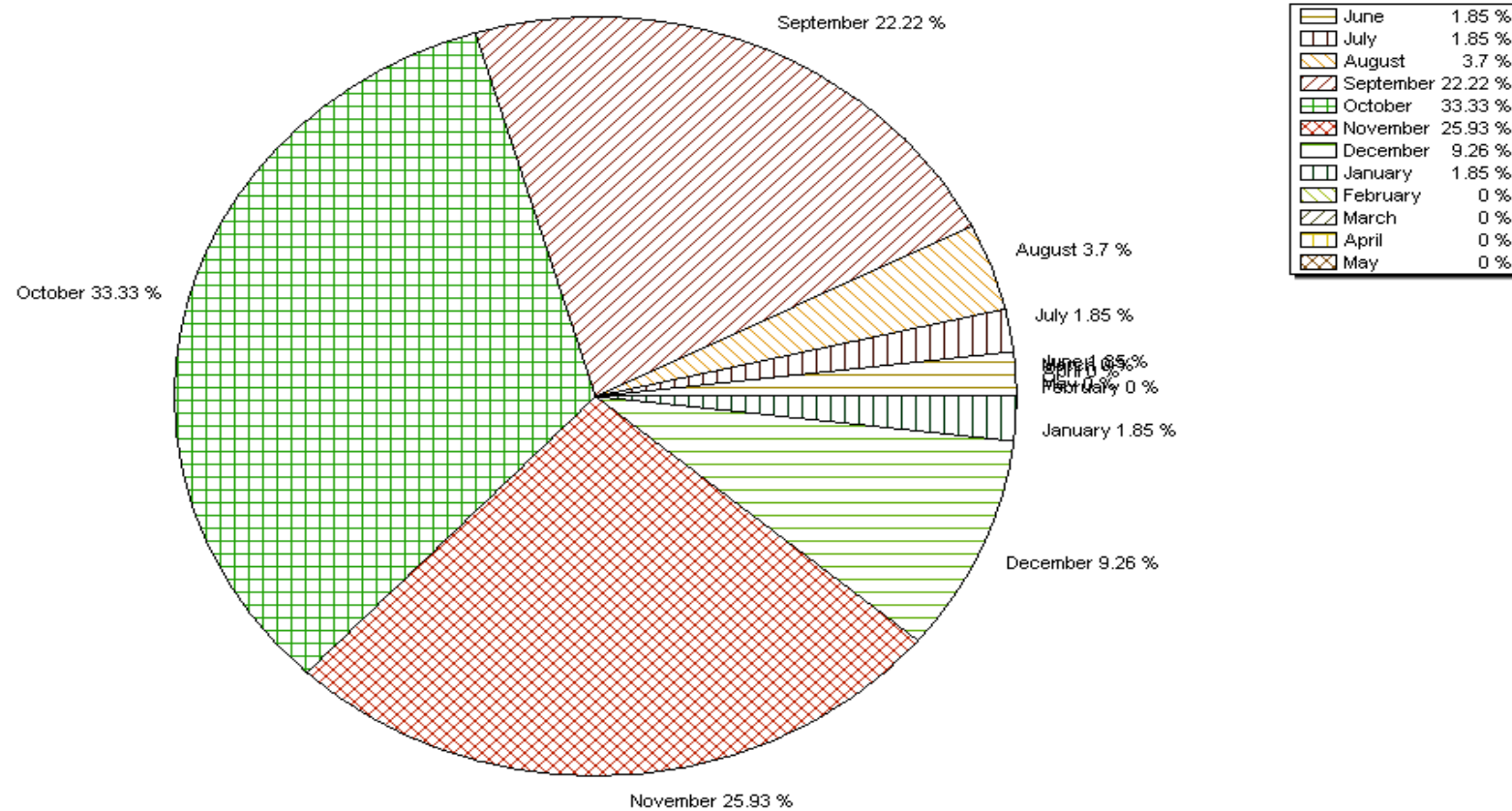


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Avarankuppam (CQ000S4)
Local River : Palar

Monthly Average Runoff based on period : 1979-2016

Division : SR Division, Coimbatore
Sub-Division : LCSD, Trichi

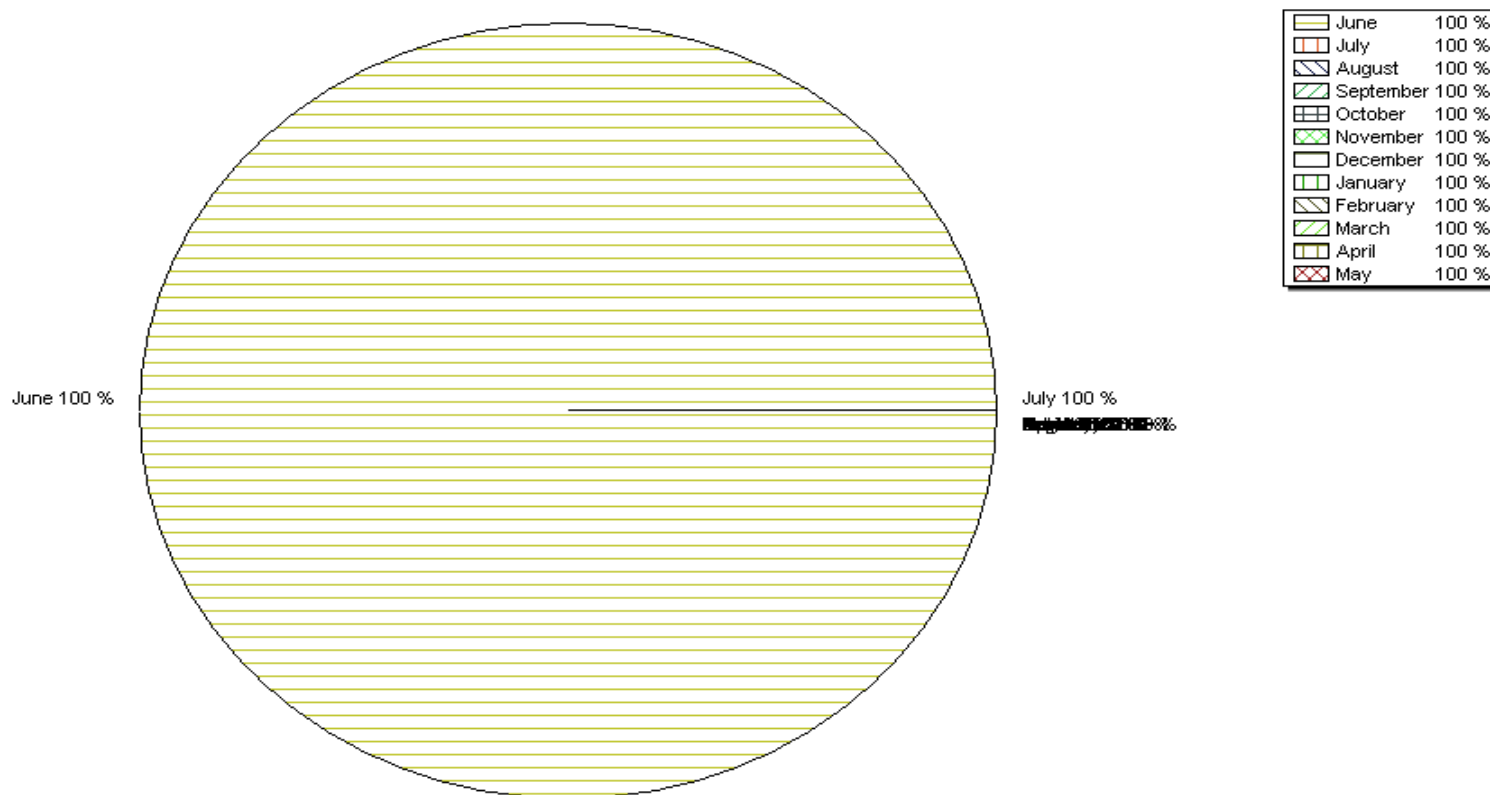


Station Name : Avarankuppam (CQ000S4)
Local River : Palar

Monthly Runoff for the Year : 2016-2017

Division : SR Division, Coimbatore
Sub-Division : LCSD, Trichi

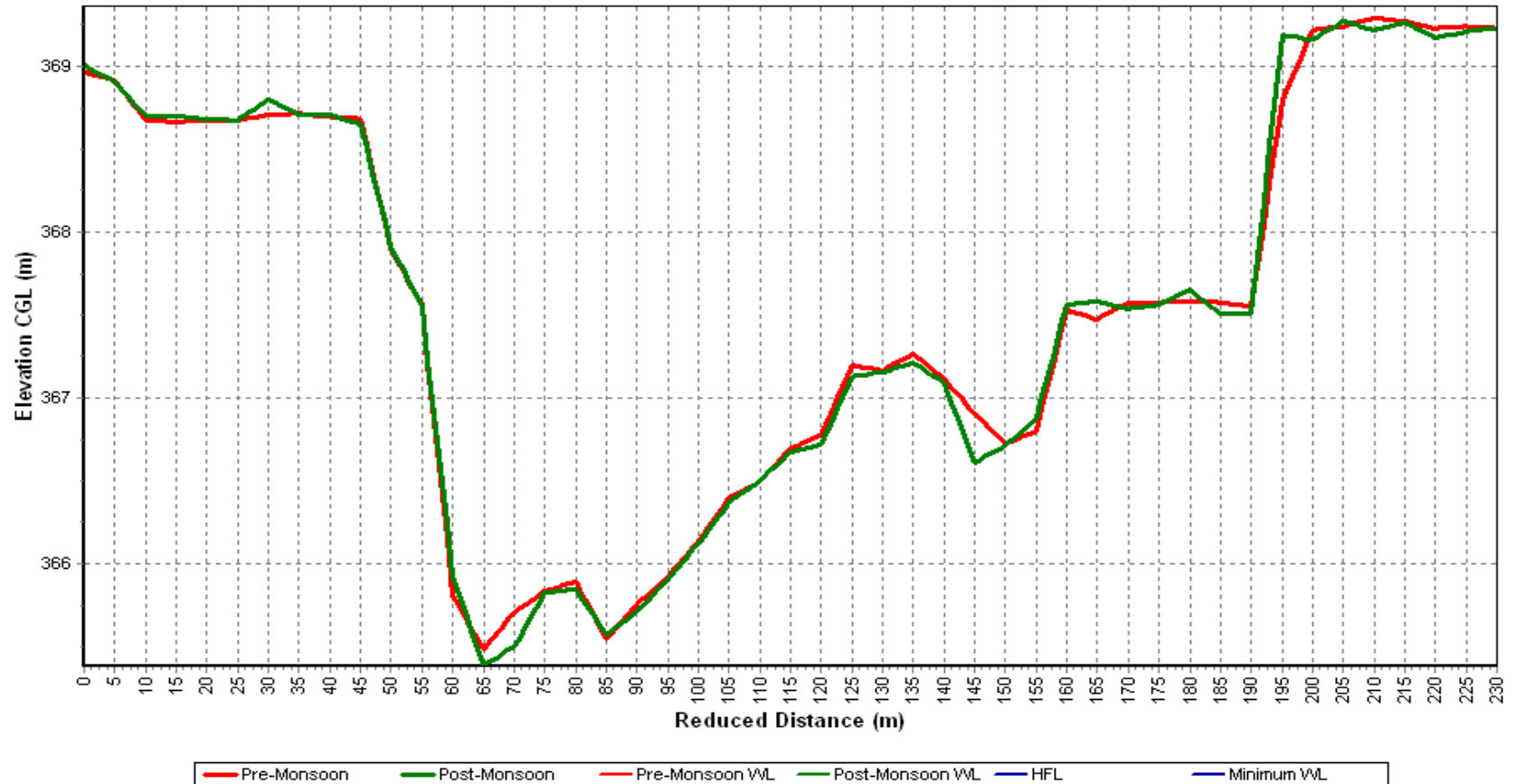
203



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : Avarankuppam (CQ000S4)
Local River : Palar

Division : SR Division, Coimbatore
Sub-Division : LCSD, Trichi



HISTORY SHEET

Water Year : 2016-2017

Site : Kumarapalayam

Code : CCR00F3

State : Pondicherry

District : Pondicherry

Basin : EFR B Pennar-Cauvery

Independent River : Varahanadi

Tributary :

Sub Tributary :

Sub-Sub Tributary :

Local River : Varahanadi

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

Drainage Area : 2208 Sq. Km.

Bank : Left

Latitude : 11°59'00"

Longitude : 79°40'50"

Zero of Gauge (m) : 8.500 (m.s.l)
8.825 (m.s.l)01/02/1998 - 31/05/2009
01/06/2009

Opening Date

Closing Date

Gauge : 01/02/1998

Discharge : 02/11/2004

Sediment :

Water Quality : 12/12/2005

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2005-2006	83.61	12.200	14/12/2005	0.000	Dry Bed	01/06/2005
2006-2007	0.000	Dry bed	01/06/2006	0.000	Dry Bed	01/06/2006
2007-2008	24.89	11.050	20/12/2007	0.000	Dry Bed	01/06/2007
2008-2009	200.3	12.300	28/11/2008	0.000	Dry Bed	01/06/2008
2009-2010	43.88	11.113	15/11/2009	0.000	Dry Bed	01/06/2009
2010-2011	336.2	12.465	03/12/2010	0.000	Dry Bed	01/06/2010
2011-2012	502.2	13.120	31/12/2011	0.000	Dry Bed	01/06/2011
2012-2013	97.80	11.765	01/11/2012	0.000	9.555	01/06/2012
2013-2014	0.000	Dry bed	01/06/2013	0.000	Dry Bed	01/06/2013
2014-2015	0.000	Dry bed	01/06/2014	0.000	Dry Bed	01/06/2014
2015-2016	785.5	13.860	02/12/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : Kumarapalayam (CCR00F3)

Division : Hydrology Division, Chennai

Local River : Varahanadi

Sub-Division : PPSD, Chennai

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000								0.000		0.000
12		0.000								0.000		0.000
13		0.000								0.000		0.000
14		0.000		0.000		0.000		0.000		0.000		0.000
15		0.000		0.000		0.000		0.000		0.000		0.000
16		0.000		0.000		0.000		0.000		0.000		0.000
17		0.000		0.000		0.000		0.000		0.000		0.000
18		0.000		0.000		0.000		0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000		0.000		0.000		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000				0.000		0.000		0.000
30		0.000		0.000				0.000		0.000		0.000
31		0.000		0.000				0.000				0.000
DRY BED												
Ten-Daily Mean												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
Monthly												
Min.		0.000		0.000		0.000		0.000		0.000		0.000
Max.		0.000		0.000		0.000		0.000		0.000		0.000
Mean		0		0		0		0		0		0

Q:Observed/Computed Discharge in cumecs

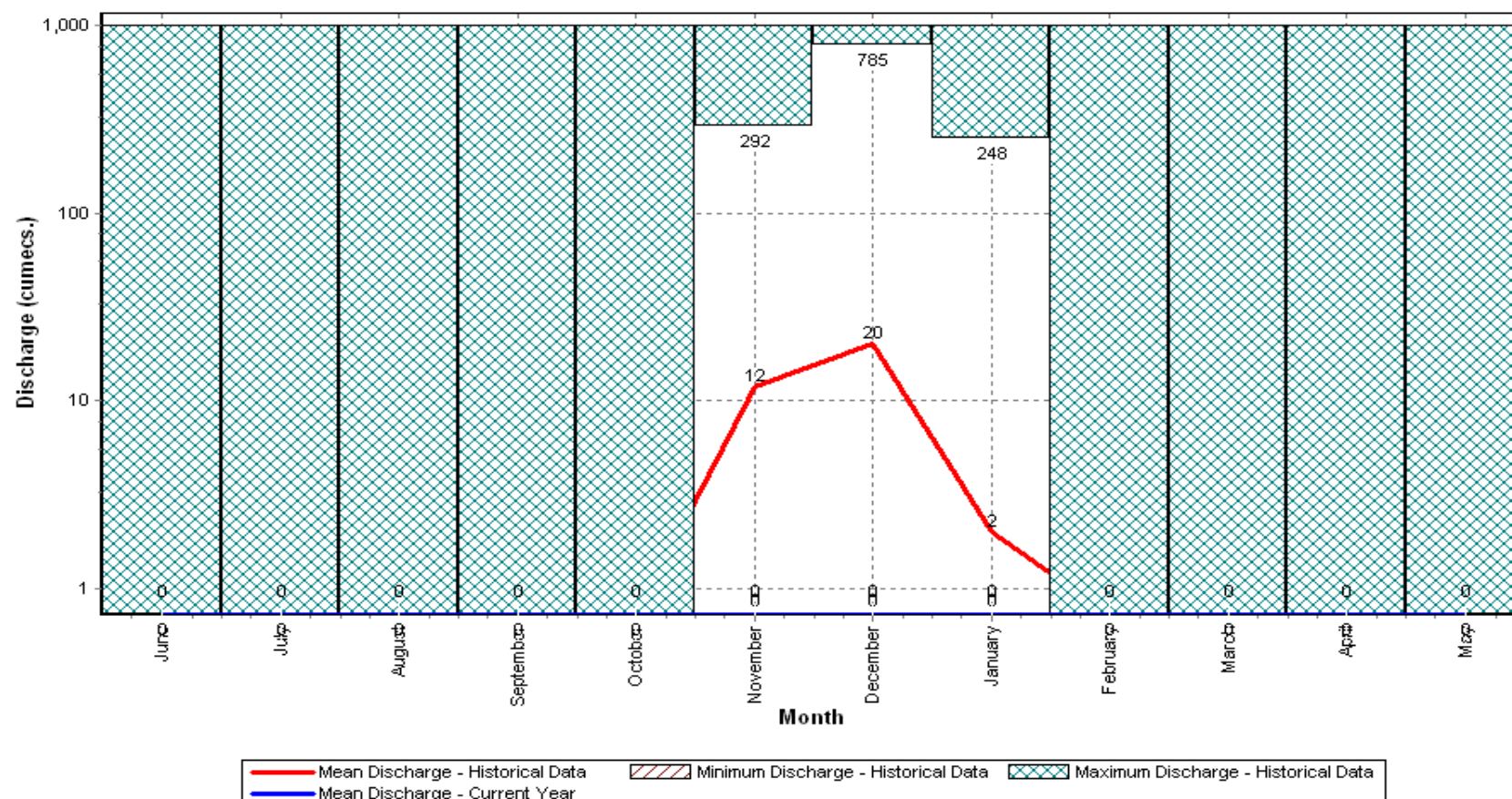
WL:Corresponding Mean Water Level(m.s.l) in m

Note:Missing values ignored while arriving at Annual Runoff

Station Name : Kumarapalayam (CCR00F3)
Local River : Varahanadi

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017 Data considered : 2005-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSP, Chennai



Annual Runoff Values for the period: 2005 - 2017

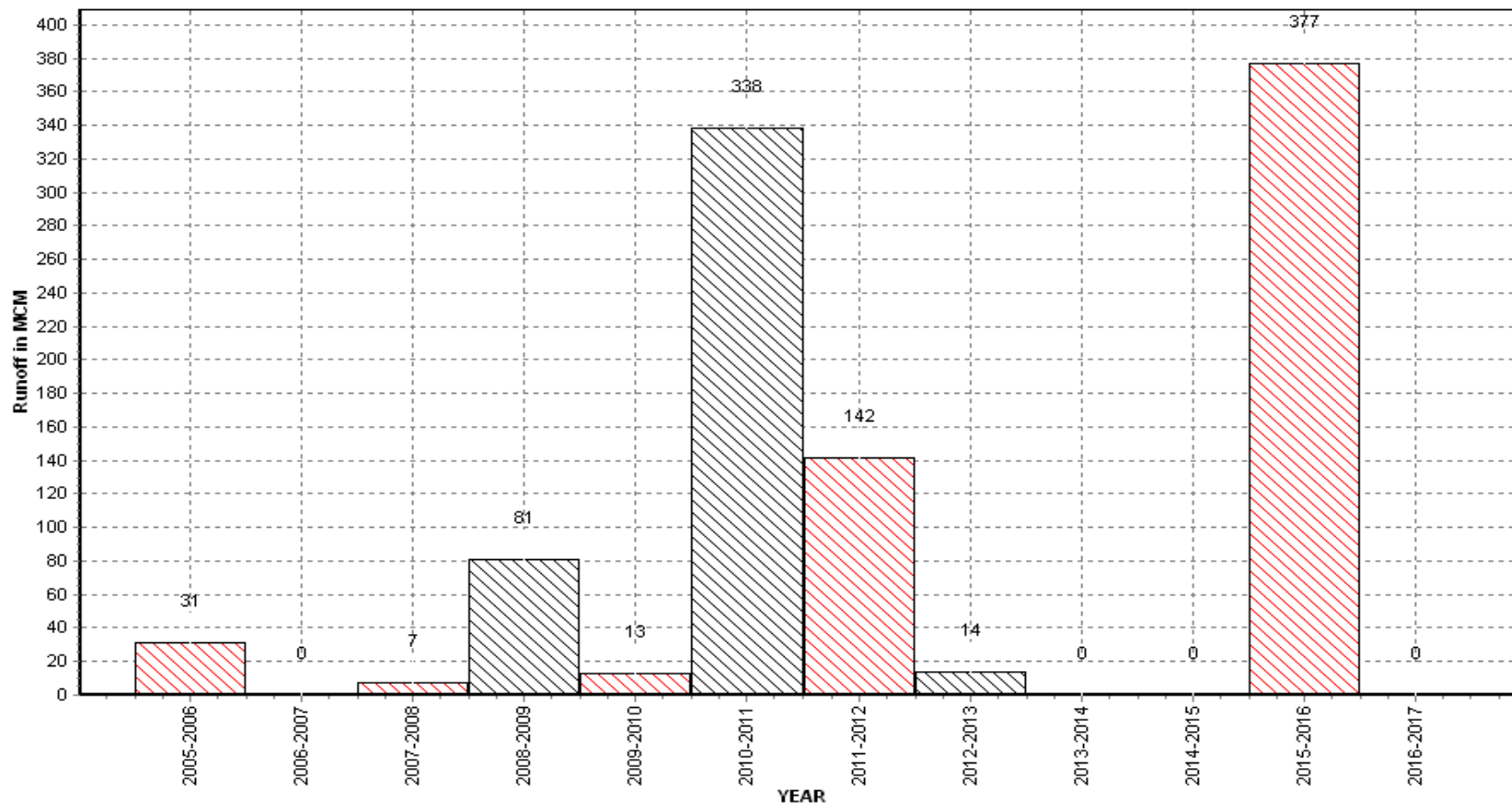
Station Name : Kumarapalayam (CCR00F3)

Local River : Varahanadi

Division : Hydrology Division, Chennai

Sub-Division : PPSP, Chennai

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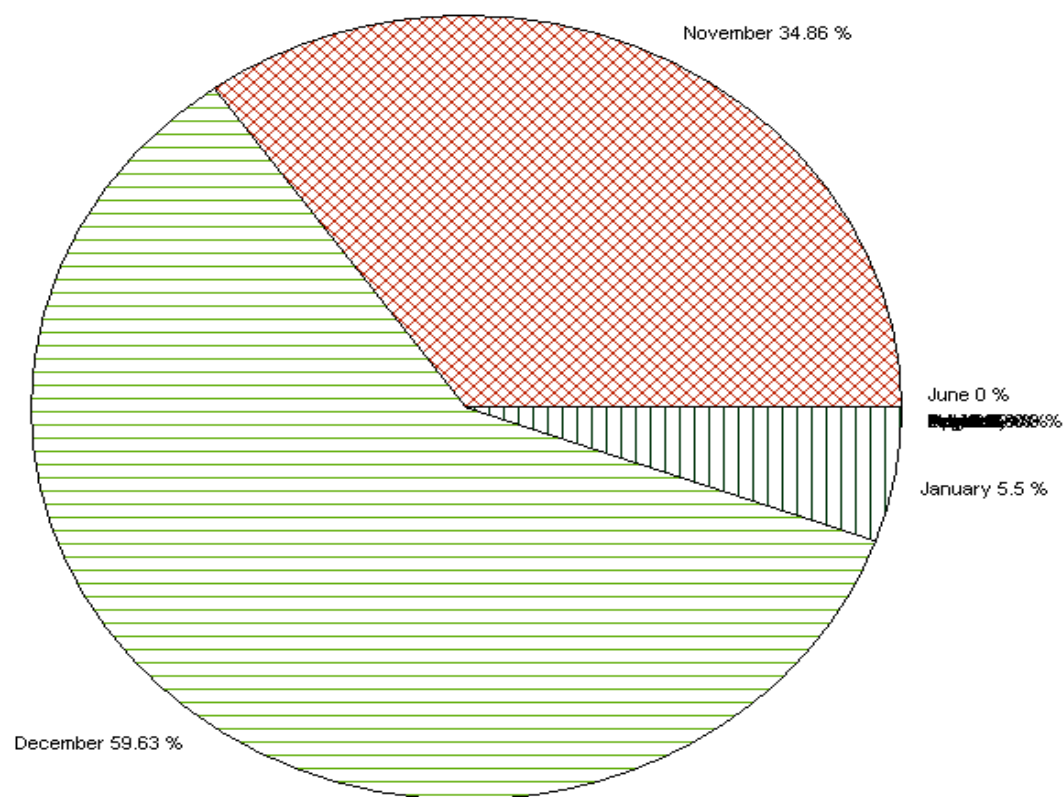


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Kumarapalayam (CCR00F3)
Local River : Varahanadi

Monthly Average Runoff based on period : 2005-2016

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai



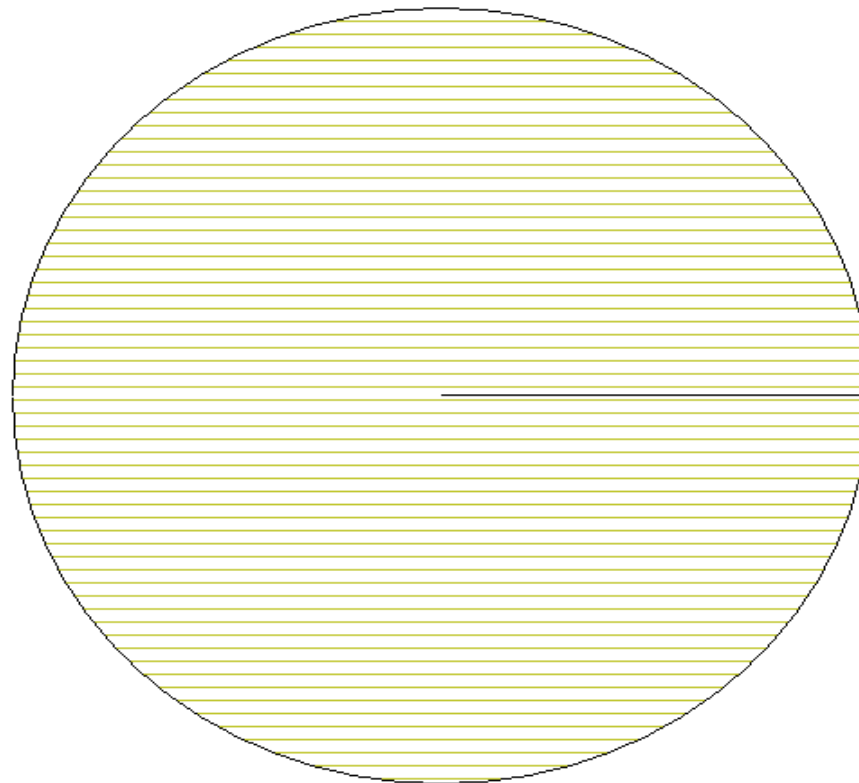
June	0 %
July	0 %
August	0 %
September	0 %
October	0 %
November	34.86 %
December	59.63 %
January	5.5 %
February	0 %
March	0 %
April	0 %
May	0 %

Monthly Runoff for the Year : 2016-2017

Station Name : Kumarapalayam (CCR00F3)
Local River : Varahanadi

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai

June	100 %
July	100 %
August	100 %
September	100 %
October	100 %
November	100 %
December	100 %
January	100 %
February	100 %
March	100 %
April	100 %
May	100 %

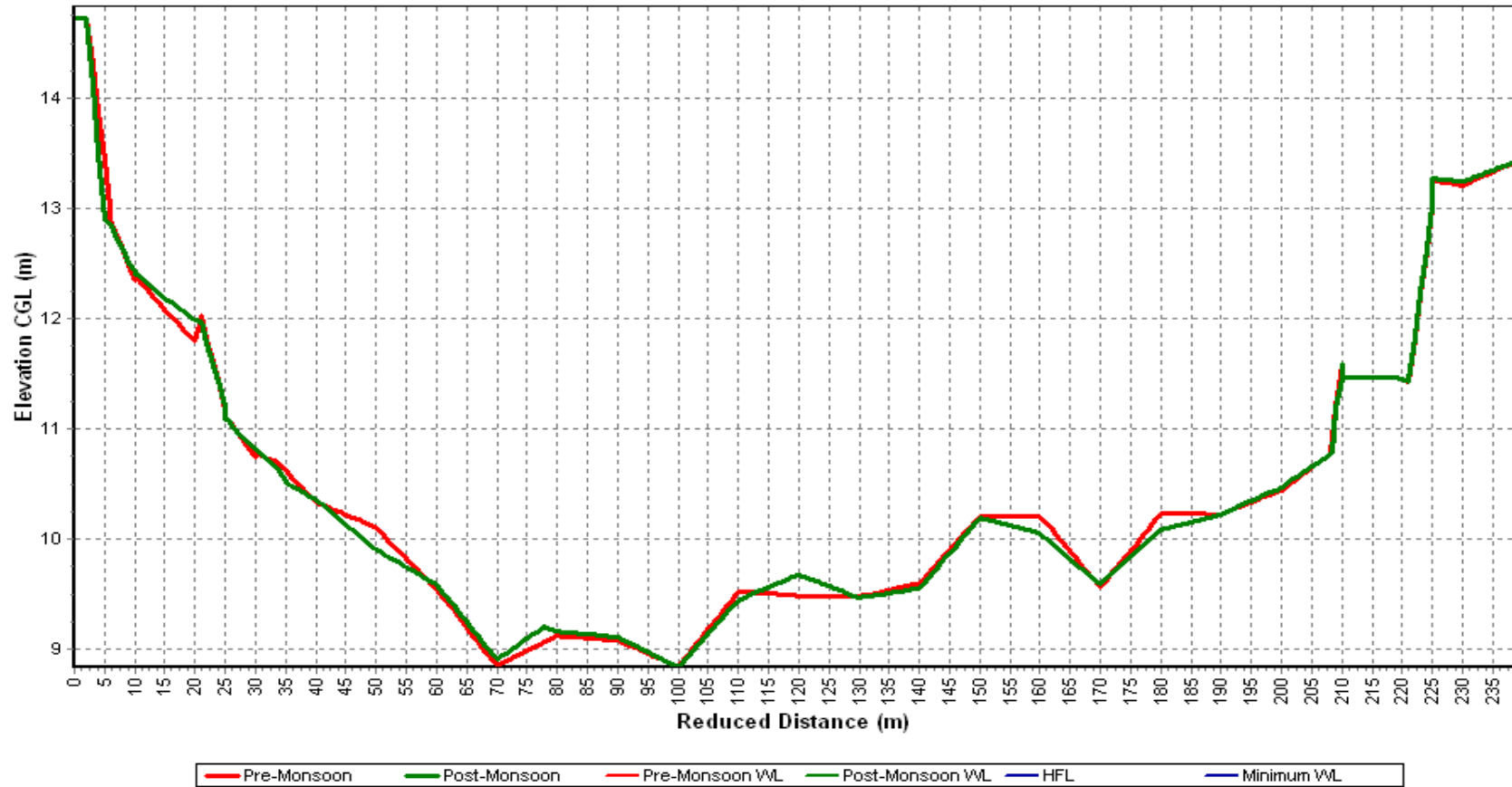


July 100 %
August 100 %
September 100 %
October 100 %
November 100 %
December 100 %
January 100 %
February 100 %
March 100 %
April 100 %
May 100 %

Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : Kumarapalayam (CCR00F3)
Local River : Varahanadi

Division : Hydrology Division, Chennai
Sub-Division : Palar Ponnaiyar SD, Chennai



HISTORY SHEET

Water Year : 2016-2017

Site : VILLUPURAM

Code : CP000C6

State : Tamil Nadu

District : Villupuram

Basin : EFR B Pennar-Cauvery

Independent River : Ponnaiyar

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Ponnaiyar

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

Drainage Area : 12900 Sq. Km.

Bank : Right

Latitude : 11°52'14"

Longitude : 79°27'34"

Zero of Gauge (m) : 43.000 (m.s.l)
42.000 (m.s.l)14/03/1971 - 31/05/1975
01/06/1975

Opening Date

Closing Date

Gauge : 14/03/1971

Discharge : 09/10/1972

Sediment :

Water Quality : 01/01/1987

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1973-1974	0.000	Dry Bed	01/06/1973	0.000	Dry Bed	01/06/1973
1974-1975	65.90	43.675	30/10/1974	0.000	Dry Bed	01/06/1974
1975-1976	485.0	44.400	06/11/1975	0.000	Dry Bed	01/06/1975
1976-1977	90.00	43.635	13/11/1976	0.000	Dry Bed	01/06/1976
1977-1978	1530	45.700	13/11/1977	0.000	Dry Bed	01/06/1977
1978-1979	365.0	44.200	04/11/1978	0.000	Dry Bed	01/06/1978
1979-1980	1619	45.353	19/11/1979	0.000	Dry Bed	01/06/1979
1980-1981	0.000	Dry Bed	01/06/1980	0.000	Dry Bed	01/06/1980
1981-1982	459.2	44.260	07/10/1981	0.000	Dry Bed	01/06/1981
1982-1983	0.000	Dry Bed	01/06/1982	0.000	Dry Bed	01/06/1982
1983-1984	373.2	44.123	26/12/1983	0.000	Dry Bed	01/06/1983
1984-1985	123.9	43.840	17/11/1984	0.000	Dry Bed	01/06/1984
1985-1986	121.3	43.856	12/11/1985	0.000	Dry Bed	01/06/1985
1986-1987	31.80	43.665	13/10/1986	0.000	Dry Bed	01/06/1986
1987-1988	83.64	43.843	27/10/1987	0.000	Dry Bed	01/06/1987
1988-1989	71.40	43.770	12/10/1988	0.000	Dry Bed	01/06/1988
1989-1990	44.07	43.725	26/10/1989	0.000	Dry Bed	01/06/1989
1990-1991	0.000	Dry Bed	01/06/1990	0.000	Dry Bed	01/06/1990

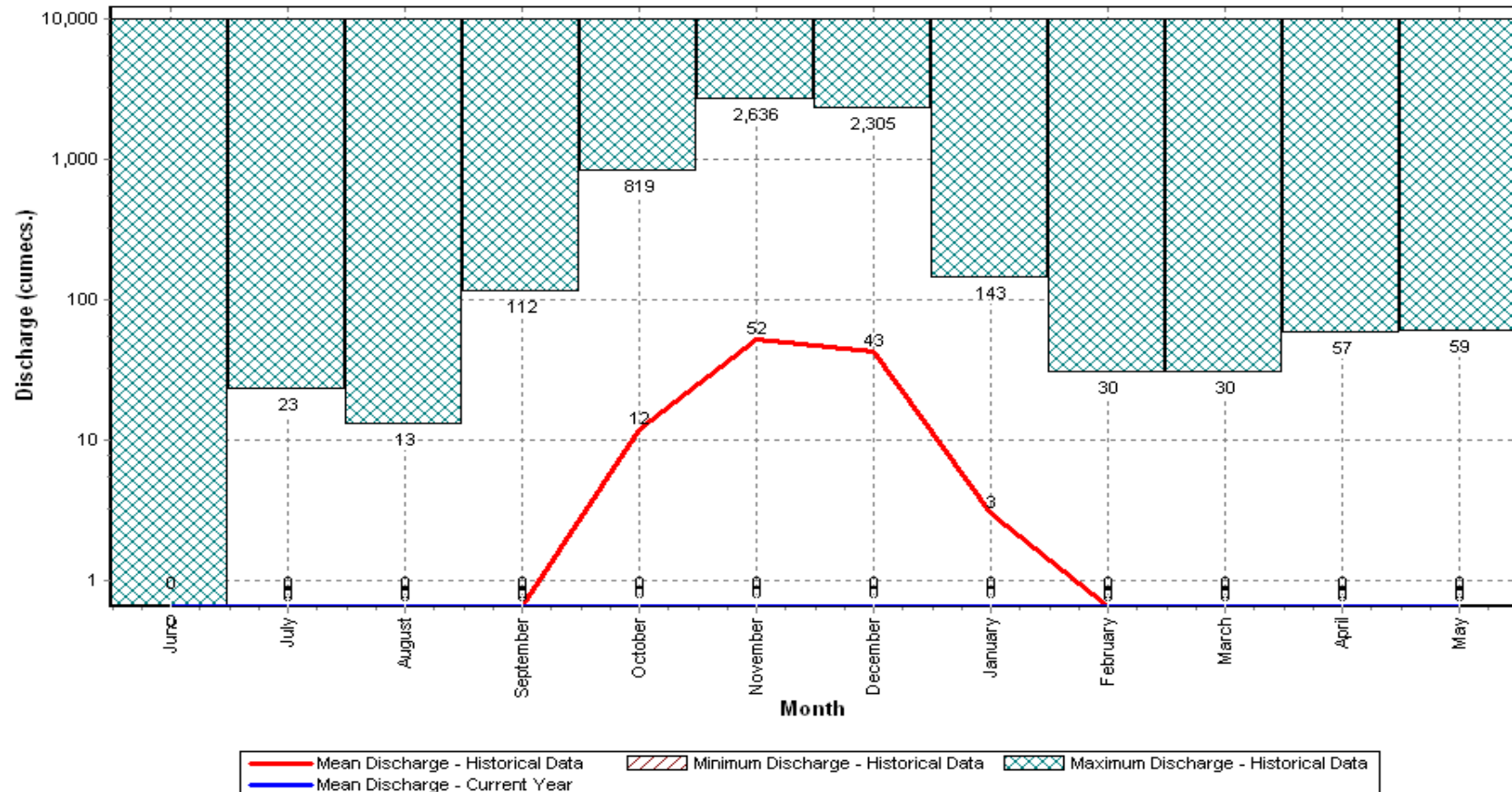
Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1991-1992	2039	45.434	17/11/1991	0.000	Dry Bed	01/06/1991
1992-1993	519.3	44.300	17/11/1992	0.000	Dry Bed	01/06/1992
1993-1994	1214	44.947	05/12/1993	0.000	Dry Bed	01/06/1993
1994-1995	386.6	44.288	06/11/1994	0.000	Dry Bed	01/06/1994
1995-1996	6.530	43.370	30/09/1995	0.000	Dry Bed	01/06/1995
1996-1997	2305	45.570	11/12/1996	0.000	Dry Bed	01/06/1996
1997-1998	572.0	44.350	08/12/1997	0.000	Dry Bed	01/06/1997
1998-1999	597.9	44.500	11/12/1998	0.000	Dry Bed	01/06/1998
1999-2000	166.5	43.820	31/10/1999	0.000	Dry Bed	01/10/1999
2000-2001	275.0	43.960	25/10/2000	0.000	Dry Bed	01/06/2000
2001-2002	173.2	43.820	15/10/2001	0.000	Dry Bed	01/06/2001
2002-2003	0.000	Dry Bed	01/06/2002	0.000	Dry Bed	01/06/2002
2003-2004	0.000	Dry Bed	01/06/2003	0.000	Dry Bed	01/06/2003
2004-2005	333.4	44.153	09/11/2004	0.000	Dry Bed	01/06/2004
2005-2006	2636	45.660	25/11/2005	0.000	Dry Bed	01/06/2005
2006-2007	54.00	43.510	19/11/2006	0.000	Dry Bed	01/06/2006
2007-2008	848.4	44.250	20/12/2007	0.000	Dry Bed	01/06/2007
2008-2009	330.7	44.280	29/11/2008	0.000	Dry Bed	01/06/2008
2009-2010	25.91	43.155	16/11/2009	0.000	Dry Bed	01/06/2009
2010-2011	299.4	43.700	28/11/2010	0.000	Dry Bed	01/06/2010
2011-2012	143.0	43.300	01/01/2012	0.000	Dry Bed	01/06/2011
2012-2013	61.53	43.110	01/11/2012	0.000	Dry Bed	01/06/2012
2013-2014	0.000	Dry Bed	01/06/2013	0.000	Dry Bed	01/06/2013
2014-2015	0.000	Dry Bed	01/06/2014	0.000	Dry Bed	01/06/2014
2015-2016	527.1	42.080	08/12/2015	0.000	Dry Bed	01/06/2015

Station Name : VILLUPURAM (CP000C6)
Local River : Ponnaiyar

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017 Data considered : 1973-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai



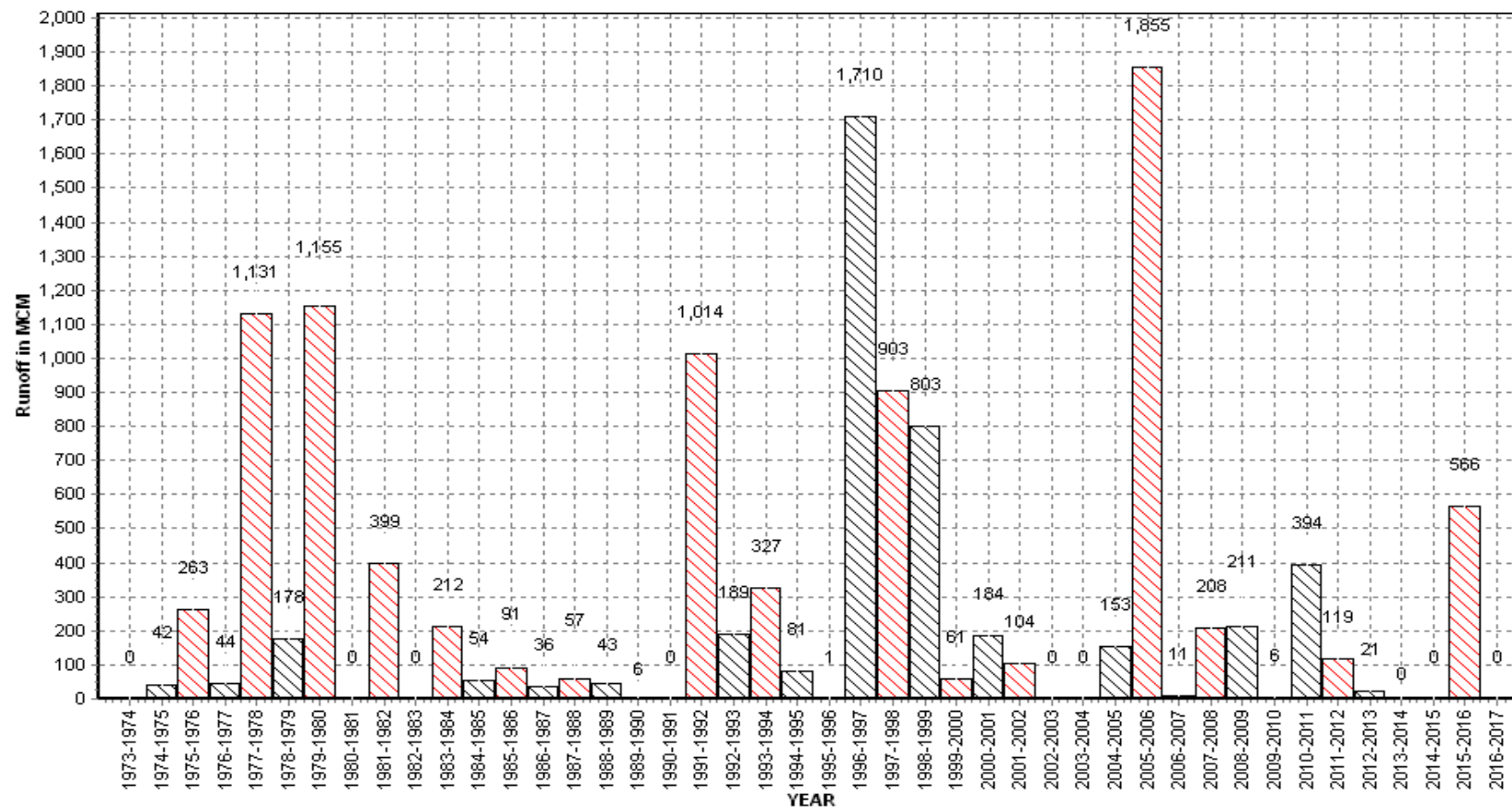
Annual Runoff Values for the period: 1973 - 2017

Station Name : VILLUPURAM (CP000C6)

Local River : Ponnaiyar

Division : Hydrology Division, Chennai

Sub-Division : PPSP, Chennai

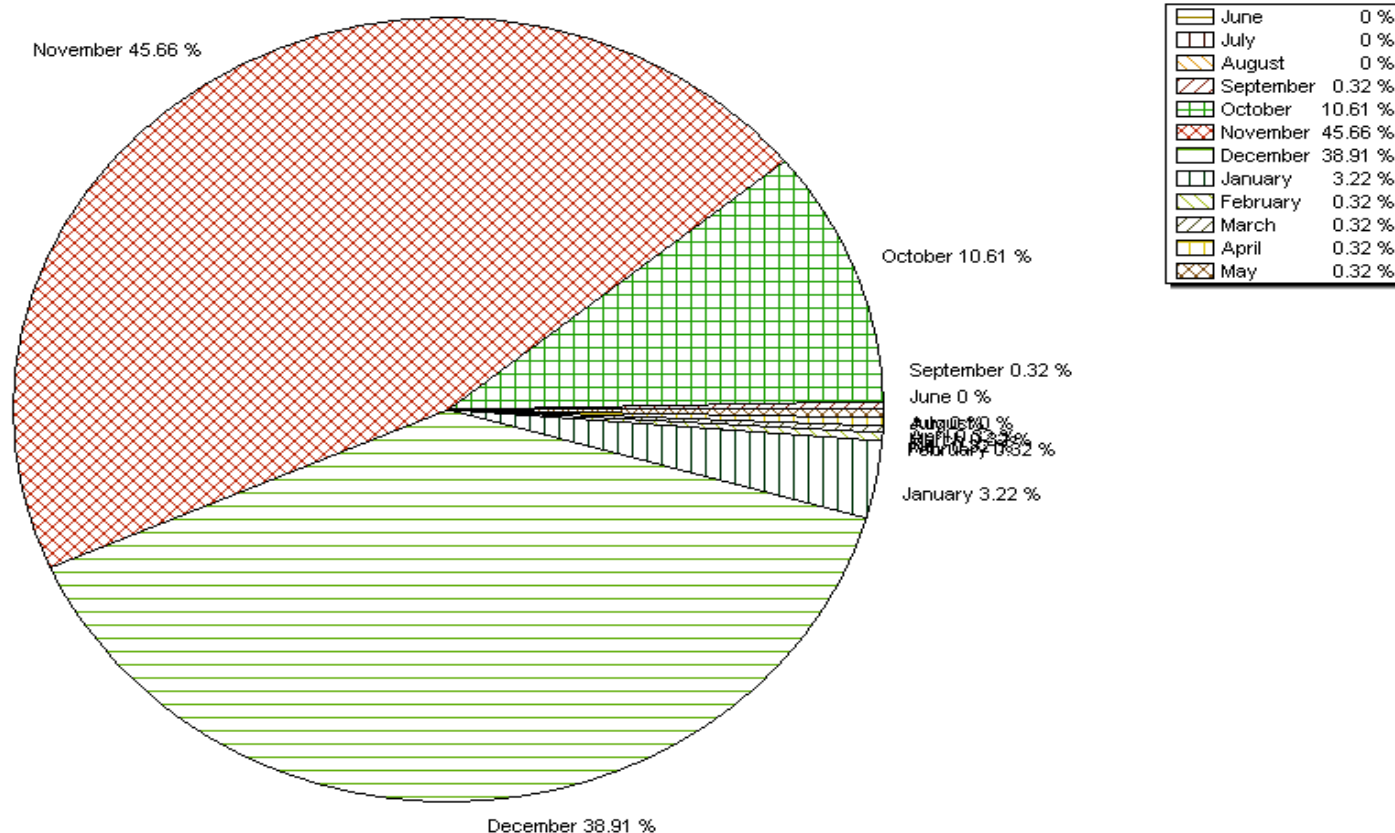


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : VILLUPURAM (CP000C6)
Local River : Ponnaiyar

Monthly Average Runoff based on period : 1973-2016

Division : Hydrology Division, Chennai
Sub-Division : PPSP, Chennai

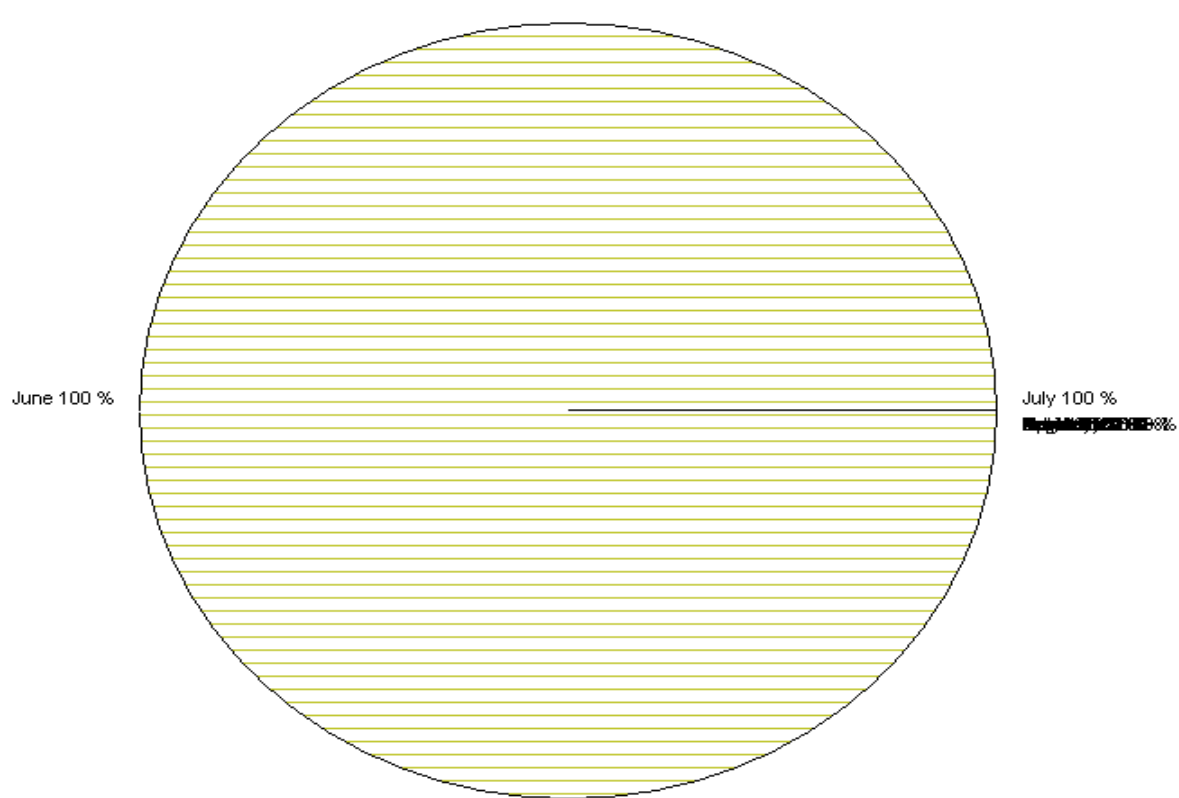


Station Name : VILLUPURAM (CP000C6)
Local River : Ponnaiyar

Monthly Runoff for the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai

220



June	100 %
July	100 %
August	100 %
September	100 %
October	100 %
November	100 %
December	100 %
January	100 %
February	100 %
March	100 %
April	100 %
May	100 %

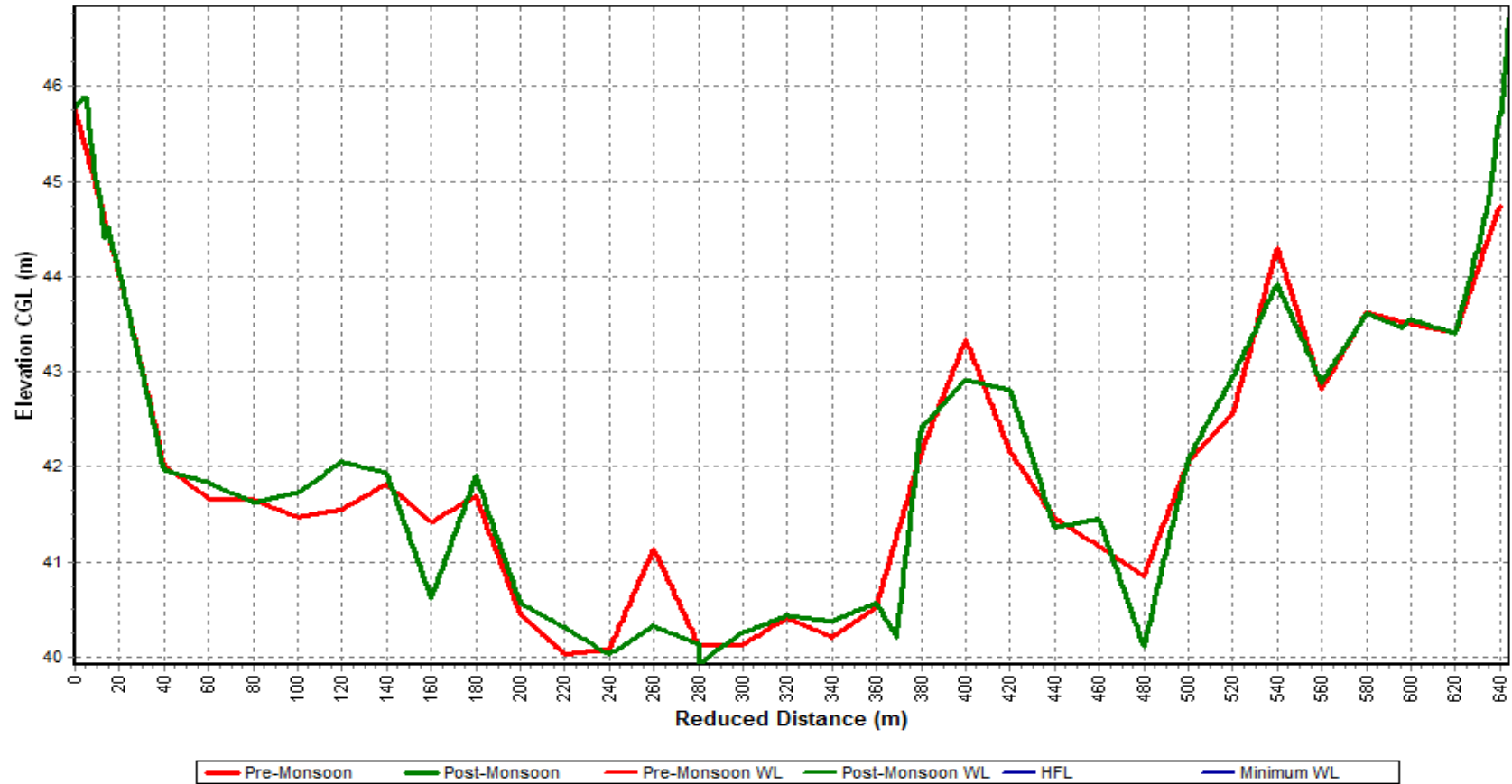
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : VILLUPURAM (CP000C6)

Local River : Ponnaiyar

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai



HISTORY SHEET

Water Year : 2016-2017

Site : VAZHAVACHANUR

Code : CP000H2

State : Tamil Nadu

District : Thiruvannamalai

Basin : EFR B Pennar-Cauvery

Independent River : Ponnaiyar

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Ponnaiyar

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

Drainage Area : 10780 Sq. Km.

Bank : Left

Latitude : 12°03'57"

Longitude : 78°58'41"

Zero of Gauge (m) : 131.000 (m.s.l)
133.000 (m.s.l)01/06/1978 - 31/05/1985
01/06/1985

Opening Date

Closing Date

Gauge : 01/06/1978

Discharge : 21/07/1978

Sediment : 19/10/2001

Water Quality : 01/08/1978

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1978-1979	140.9	133.400	08/11/1978	0.000	131.960	24/07/1978
1979-1980	1184	135.495	19/11/1979	0.100	132.095	03/07/1979
1980-1981	20.10	132.630	18/01/1981	0.000	132.000	20/09/1980
1981-1982	1935	136.050	29/10/1981	0.000	131.990	09/07/1981
1982-1983	13.80	132.570	11/05/1983	0.000	132.060	03/01/1983
1983-1984	194.1	133.585	23/12/1983	0.000	Dry Bed	09/07/1983
1984-1985	85.10	133.276	16/11/1984	0.000	132.145	11/05/1985
1985-1986	63.90	135.020	03/11/1985	0.000	133.955	01/06/1985
1986-1987	66.70	134.970	13/10/1986	0.000	133.820	01/06/1986
1987-1988	92.71	135.170	27/10/1987	0.000	133.740	09/06/1987
1988-1989	86.46	135.120	11/10/1988	0.030	133.780	02/07/1988/
1989-1990	62.50	135.050	26/10/1989	0.000	133.760	13/06/1989
1990-1991	86.83	135.030	01/01/1991	0.000	Dry Bed	01/06/1990
1991-1992	1632	138.782	17/11/1991	0.000	Dry Bed	01/06/1991
1992-1993	583.0	136.474	17/11/1992	0.000	Dry Bed	30/08/1992
1993-1994	810.4	137.137	05/12/1993	0.000	Dry Bed	11/07/1993
1994-1995	196.0	135.550	06/11/1994	0.000	133.740	21/06/1994
1995-1996	52.39	134.720	04/12/1995	0.000	133.870	15/06/1995

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1996-1997	948.0	138.100	15/12/1996	0.000	133.850	01/06/1996
1997-1998	449.5	136.400	20/11/1997	0.000	133.840	01/06/1997
1998-1999	384.0	136.350	13/12/1998	0.000	133.800	09/07/1998
1999-2000	294.2	136.010	29/10/1999	0.060	133.000	24/05/2000
2000-2001	348.9	136.210	24/10/2000	0.000	133.840	11/06/2000
2001-2002	287.1	135.950	13/10/2001	0.000	133.680	16/06/2000
2002-2003	7.234	134.060	07/11/2002	0.000	133.670	01/06/2002
2003-2004	35.94	134.600	11/01/2004	0.000	Dry Bed	01/06/2003
2004-2005	117.2	135.055	31/10/2004	0.000	133.650	01/06/2004
2005-2006	800.9	137.375	25/11/2005	0.000	133.780	01/06/2005
2006-2007	46.00	134.460	25/01/2007	0.000	Dry Bed	11/07/2006
2007-2008	422.6	136.250	19/12/2007	0.000	Dry Bed	01/06/2007
2008-2009	141.9	135.950	01/12/2008	0.000	Dry Bed	01/06/2008
2009-2010	49.90	135.105	15/11/2009	0.000	133.780	15/06/2009
2010-2011	186.2	135.735	02/12/2010	0.000	133.750	01/06/2010
2011-2012	106.1	135.605	31/12/2011	0.000	133.830	22/06/2011
2012-2013	60.02	134.930	22/01/2013	0.000	133.910	01/06/2012
2013-2014	24.71	134.540	17/11/2013	0.000	Dry Bed	01/06/2013
2014-2015	29.01	134.510	14/02/2015	0.000	Dry Bed	01/06/2014
2015-2016	184.2	135.655	07/12/2015	0.000	133.700	01/07/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : VAZHAVACHANUR (CP000H2)

Division : Hydrology Division, Chennai

Local River : Ponnaiyar

Sub-Division : PPSP, Chennai

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	134.225	0.000	134.210	0.000	134.240	0.000	134.180	0.000	133.860	0.000	134.140	0.000
2	134.220	0.000	134.210	0.000	134.230	0.000	134.200	0.000	133.820	0.000	134.140	0.000
3	134.210	0.000	134.210	0.000	134.220	0.000	134.180	0.000	133.770	0.000	134.150	0.000
4	134.200	0.000	134.190	0.000	134.210	0.000	134.170	0.000	133.750	0.000	134.150	0.000
5	134.200	0.000	134.170	0.000	134.185	0.000	134.150	0.000	133.750	0.000	134.150	0.000
6	134.200	0.000	134.160	0.000	134.170	0.000	134.120	0.000	133.720	0.000	134.150	0.000
7	134.200	0.000	134.150	0.000	134.180	0.000	134.120	0.000	133.710	0.000	134.140	0.000
8	134.200	0.000	134.150	0.000	134.180	0.000	134.120	0.000	133.690	0.000	134.140	0.000
9	134.200	0.000	134.170	0.000	134.170	0.000	134.120	0.000	133.750	0.000	134.130	0.000
10	134.200	0.000	134.170	0.000	134.140	0.000	134.120	0.000	133.770	0.000	134.110	0.000
11	134.190	0.000	134.180	0.000	134.170	0.000	134.110	0.000	133.830	0.000	134.090	0.000
12	134.170	0.000	134.160	0.000	134.140	0.000	134.080	0.000	133.890	0.000	134.060	0.000
13	134.150	0.000	134.150	0.000	134.140	0.000	134.110	0.000	134.350	5.509	134.010	0.000
14	134.130	0.000	134.130	0.000	134.140	0.000	134.110	0.000	134.260	2.037	133.960	0.000
15	134.130	0.000	134.110	0.000	134.130	0.000	134.120	0.000	134.230	1.049	133.940	0.000
16	134.100	0.000	134.110	0.000	134.150	0.000	134.120	0.000	134.210	0.720 *	133.910	0.000
17	134.060	0.000	134.090	0.000	134.130	0.000	134.120	0.000	134.200	0.000	133.870	0.000
18	134.060	0.000	134.040	0.000	134.120	0.000	134.130	0.000	134.180	0.000	133.830	0.000
19	134.060	0.000	134.120	0.000	134.090	0.000	134.110	0.000	134.180	0.000	133.790	0.000
20	134.060	0.000	134.200	0.000	134.120	0.000	134.070	0.000	134.170	0.000	133.750	0.000
21	134.030	0.000	134.200	0.000	134.120	0.000	134.050	0.000	134.170	0.000	133.750	0.000
22	134.060	0.000	134.200	0.000	134.110	0.000	134.050	0.000	134.160	0.000	133.730	0.000
23	134.140	0.000	134.200	0.000	134.130	0.000	134.040	0.000	134.160	0.000	133.690	0.000
24	134.200	0.000	134.200	0.000	134.130	0.000	134.090	0.000	134.160	0.000	133.770	0.000
25	134.200	0.000	134.240	0.000	134.120	0.000	134.060	0.000	134.160	0.000	133.690	0.000
26	134.200	0.000	134.350	5.414	134.130	0.000	134.040	0.000	134.140	0.000	133.710	0.000
27	134.195	0.000	134.290	2.515	134.130	0.000	134.000	0.000	134.140	0.000	133.680	0.000
28	134.190	0.000	134.300	3.205	134.140	0.000	134.010	0.000	134.140	0.000	133.650	0.000
29	134.190	0.000	134.280	2.690	134.160	0.000	134.010	0.000	134.140	0.000	133.680	0.000
30	134.200	0.000	134.270	2.044	134.170	0.000	134.010	0.000	134.130	0.000	133.680	0.000
31			134.250	1.568 *	134.180	0.000			134.130	0.000		
<u>Ten-Daily Mean</u>												
I Ten-Daily	134.205	0.000	134.179	0.000	134.193	0.000	134.148	0.000	133.759	0.000	134.140	0.000
II Ten-Daily	134.111	0.000	134.129	0.000	134.133	0.000	134.108	0.000	134.150	0.932	133.921	0.000
III Ten-Daily	134.160	0.000	134.253	1.585	134.138	0.000	134.036	0.000	134.148	0.000	133.703	0.000
<u>Monthly</u>												
Min.	134.030	0.000	134.040	0.000	134.090	0.000	134.000	0.000	133.690	0.000	133.650	0.000
Max.	134.225	0.000	134.350	5.414	134.240	0.000	134.200	0.000	134.350	5.509	134.150	0.000
Mean	134.159	0	134.189	0.562	134.154	0	134.097	0	134.023	0.3	133.921	0

Annual Runoff in MCM = 12 Annual Runoff in mm = 1

Peak Observed Discharge = 23.24 cumecs on 24/03/2017 Corres. Water Level :134.54 m

Lowest Observed Discharge = 0.000 cumecs on 01/06/2016 Corres. Water Level :134.225 m

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2016 - 2017

Station Name : VAZHAVACHANUR (CP000H2)

Division : Hydrology Division, Chennai

Local River : Ponnaiyar

Sub-Division : PPSD, Chennai

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	133.670	0.000		0.000		0.000	134.120	0.000	134.160	0.000		0.000
2	133.710	0.000		0.000		0.000	134.080	0.000	134.130	0.000		0.000
3	133.720	0.000		0.000		0.000	134.050	0.000	134.110	0.000		0.000
4	133.720	0.000		0.000		0.000	133.990	0.000	134.070	0.000		0.000
5	133.720	0.000		0.000		0.000	133.930	0.000	134.020	0.000		0.000
6	133.720	0.000		0.000		0.000	133.860	0.000	133.930	0.000		0.000
7	133.680	0.000		0.000		0.000	133.810	0.000	133.860	0.000		0.000
8	133.680	0.000		0.000		0.000	133.760	0.000	133.780	0.000		0.000
9	133.620	0.000		0.000		0.000	133.730	0.000	133.700	0.000		0.000
10		0.000		0.000		0.000	133.680	0.000	133.640	0.000		0.000
11		0.000		0.000		0.000	133.600	0.000	133.580	0.000		0.000
12		0.000		0.000		0.000	133.570	0.000	133.540	0.000		0.000
13	133.670	0.000		0.000		0.000	133.600	0.000		0.000		0.000
14	133.710	0.000		0.000		0.000	133.590	0.000		0.000		0.000
15	133.690	0.000		0.000		0.000		0.000		0.000		0.000
16	133.670	0.000		0.000		0.000		0.000		0.000		0.000
17	133.710	0.000		0.000		0.000		0.000		0.000		0.000
18	133.710	0.000		0.000		0.000		0.000		0.000		0.000
19	133.720	0.000		0.000		0.000		0.000		0.000		0.000
20	133.720	0.000		0.000		0.000		0.000		0.000		0.000
21	133.730	0.000		0.000		0.000		0.000		0.000		0.000
22	133.710	0.000		0.000		0.000		0.000		0.000		0.000
23	133.710	0.000		0.000		0.000		0.000		0.000		0.000
24	133.710	0.000		0.000		0.000	134.540	23.24		0.000		0.000
25	133.650	0.000		0.000		0.000	134.550	18.98		0.000		0.000
26	133.650	0.000		0.000		0.000	134.550	20.92		0.000		0.000
27	133.640	0.000		0.000	134.195	0.000	134.550	20.88		0.000		0.000
28	133.630	0.000		0.000	134.150	0.000	134.550	21.86		0.000		0.000
29	133.630	0.000		0.000			134.280	2.460		0.000		0.000
30		0.000		0.000			134.220	0.000		0.000		0.000
31		0.000		0.000			134.180	0.000				0.000
Ten-Daily Mean												
I Ten-Daily	133.693	0.000		0.000		0.000	133.901	0.000	133.940	0.000		0.000
II Ten-Daily	133.700	0.000		0.000		0.000	133.590	0.000	133.560	0.000		0.000
III Ten-Daily	133.673	0.000		0.000	134.173	0.000	134.427	9.849		0.000		0.000
Monthly												
Min.	133.620	0.000		0.000	134.150	0.000	133.570	0.000	133.540	0.000		0.000
Max.	133.730	0.000		0.000	134.195	0.000	134.550	23.24	134.160	0.000		0.000
Mean	133.688	0		0	134.173	0	134.036	3.495	133.877	0		0

Peak Computed Discharge = 1.568 cumecs on 31/07/2016

Corres. Water Level :134.25 m

Lowest Computed Discharge = 0.720 cumecs on 16/10/2016

Corres. Water Level :134.21 m

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

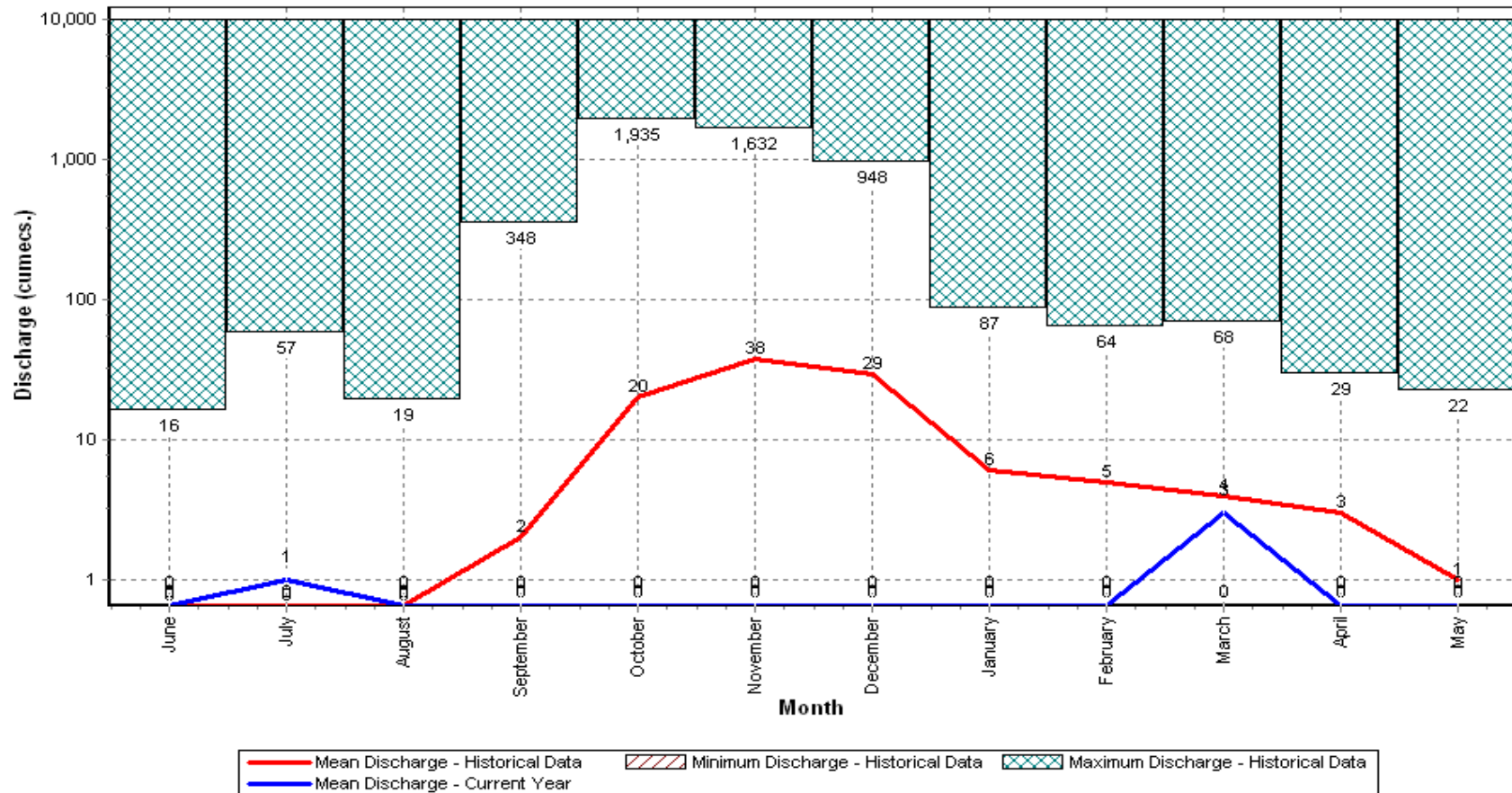
*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Station Name : VAZHAVACHANUR (CP000H2)
Local River : Ponnaiyar

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017 Data considered : 1978-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai



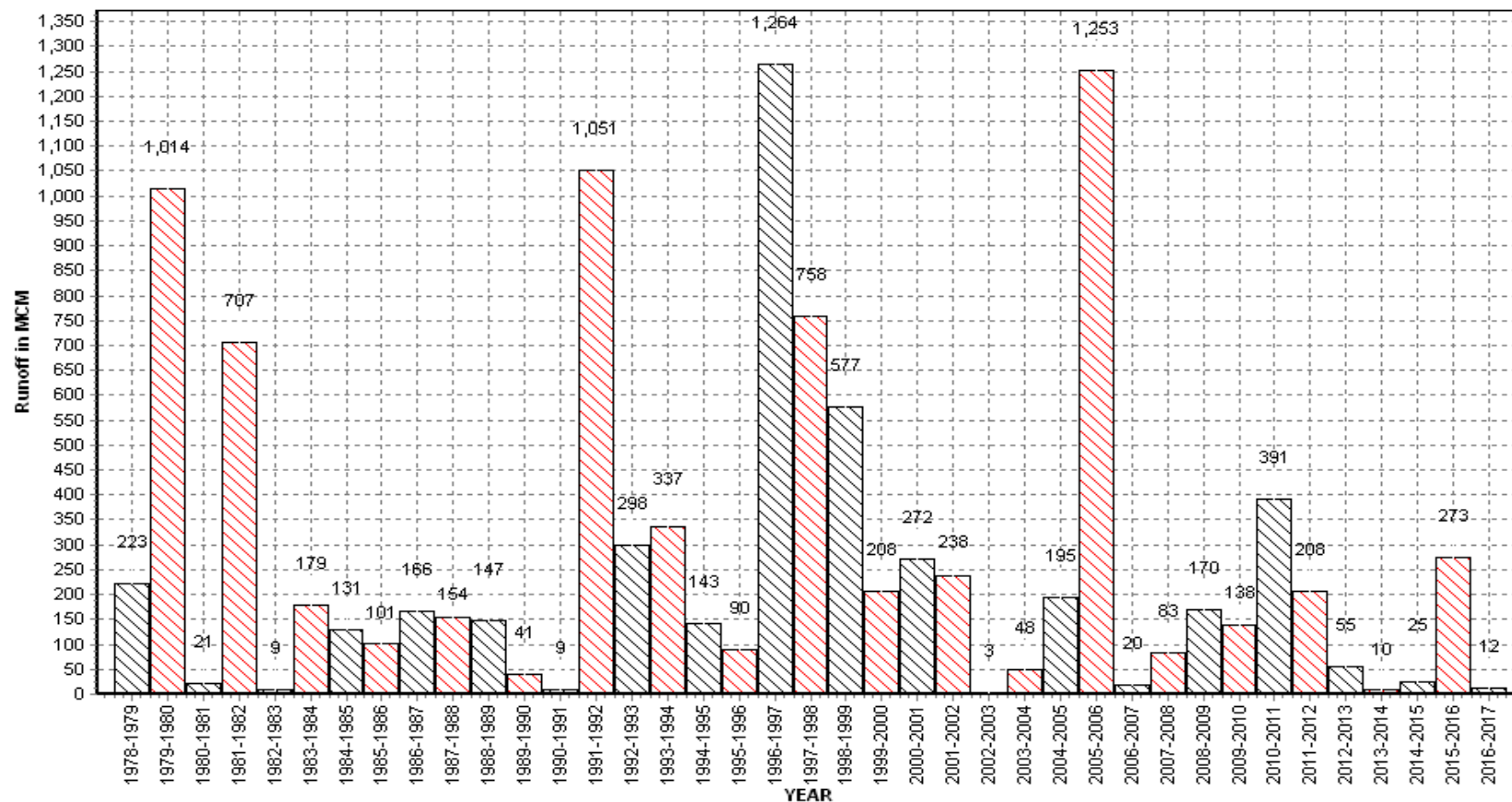
Annual Runoff Values for the period: 1978 - 2017

Station Name : VAZHAVACHANUR (CP000H2)

Local River : Ponnaiyar

Division : Hydrology Division, Chennai

Sub-Division : PPSPD, Chennai

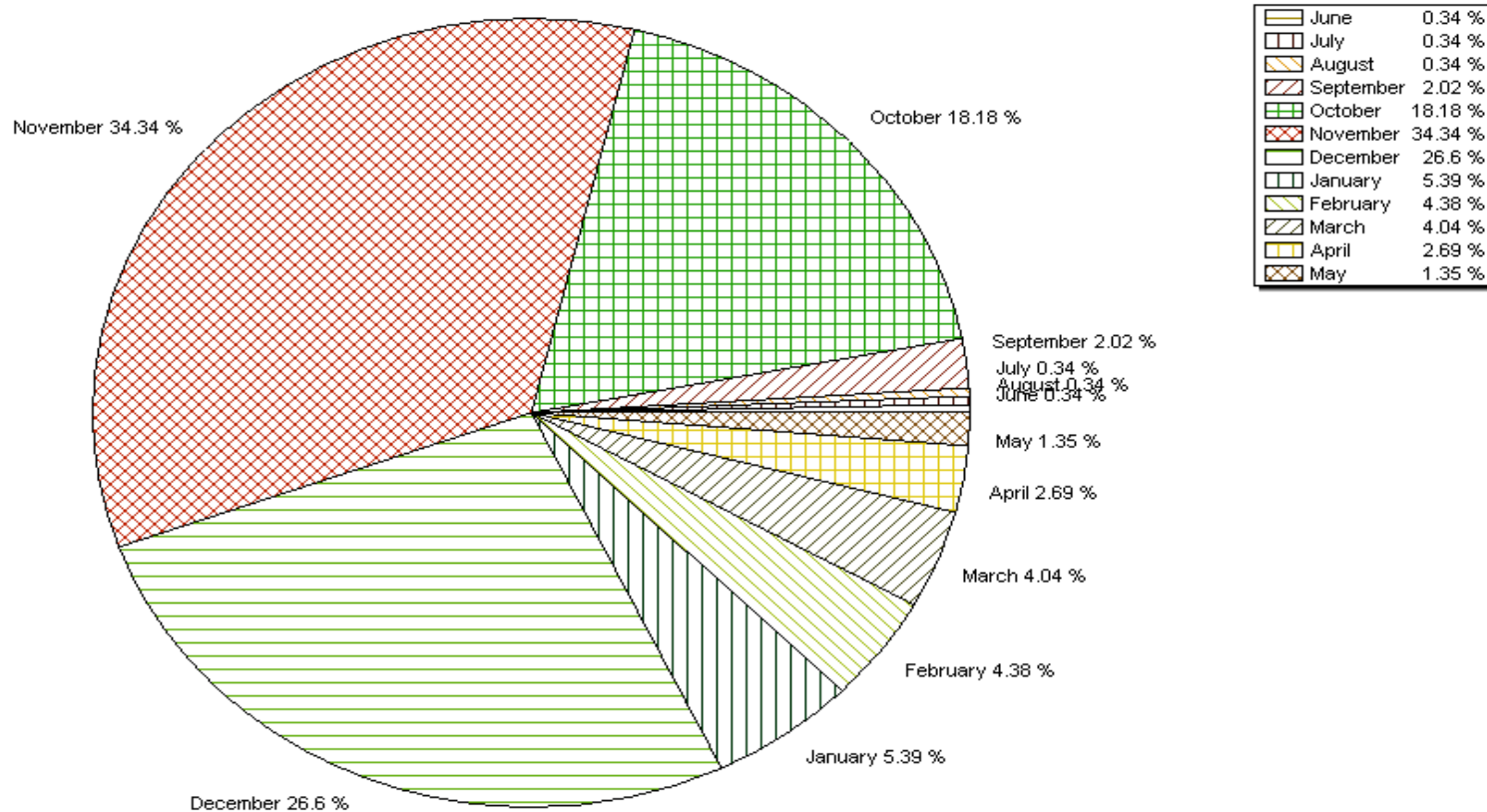


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : VAZHAVACHANUR (CP000H2)
Local River : Ponnaiyar

Monthly Average Runoff based on period : 1978-2016

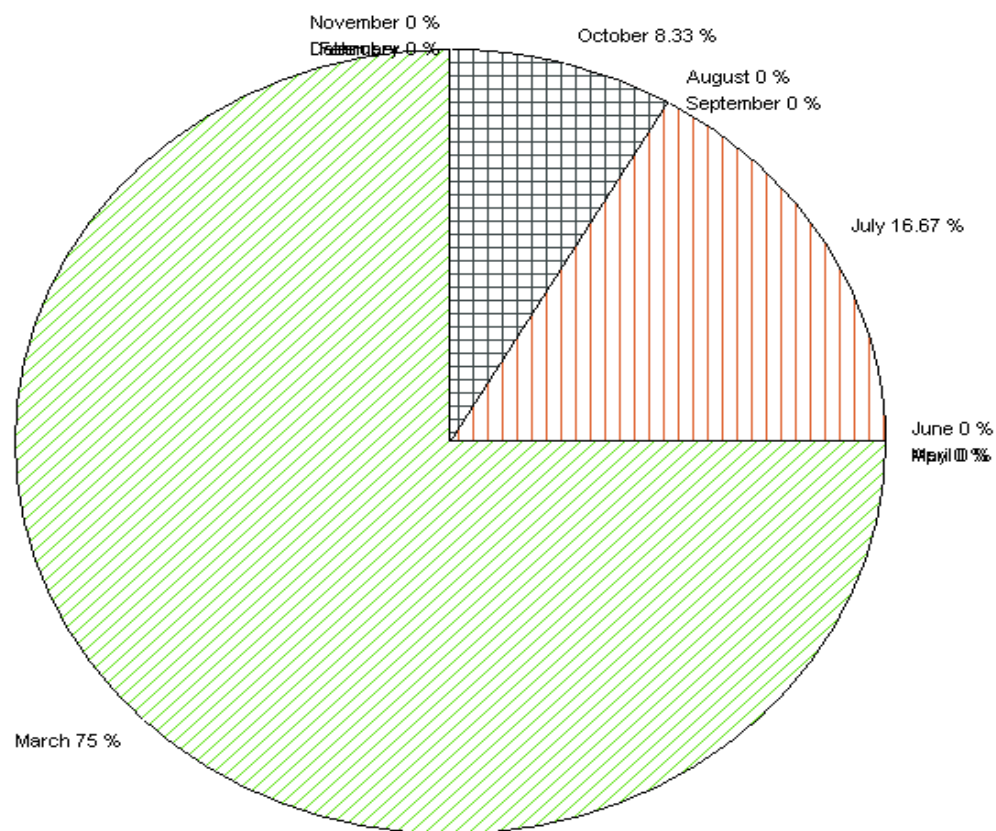
Division : Hydrology Division, Chennai
Sub-Division : PPSP, Chennai



Station Name : VAZHAVACHANUR (CP000H2)
Local River : Ponnaiyar

Monthly Runoff for the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSP, Chennai



June	0 %
July	16.67 %
August	0 %
September	0 %
October	8.33 %
November	0 %
December	0 %
January	0 %
February	0 %
March	75 %
April	0 %
May	0 %

Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

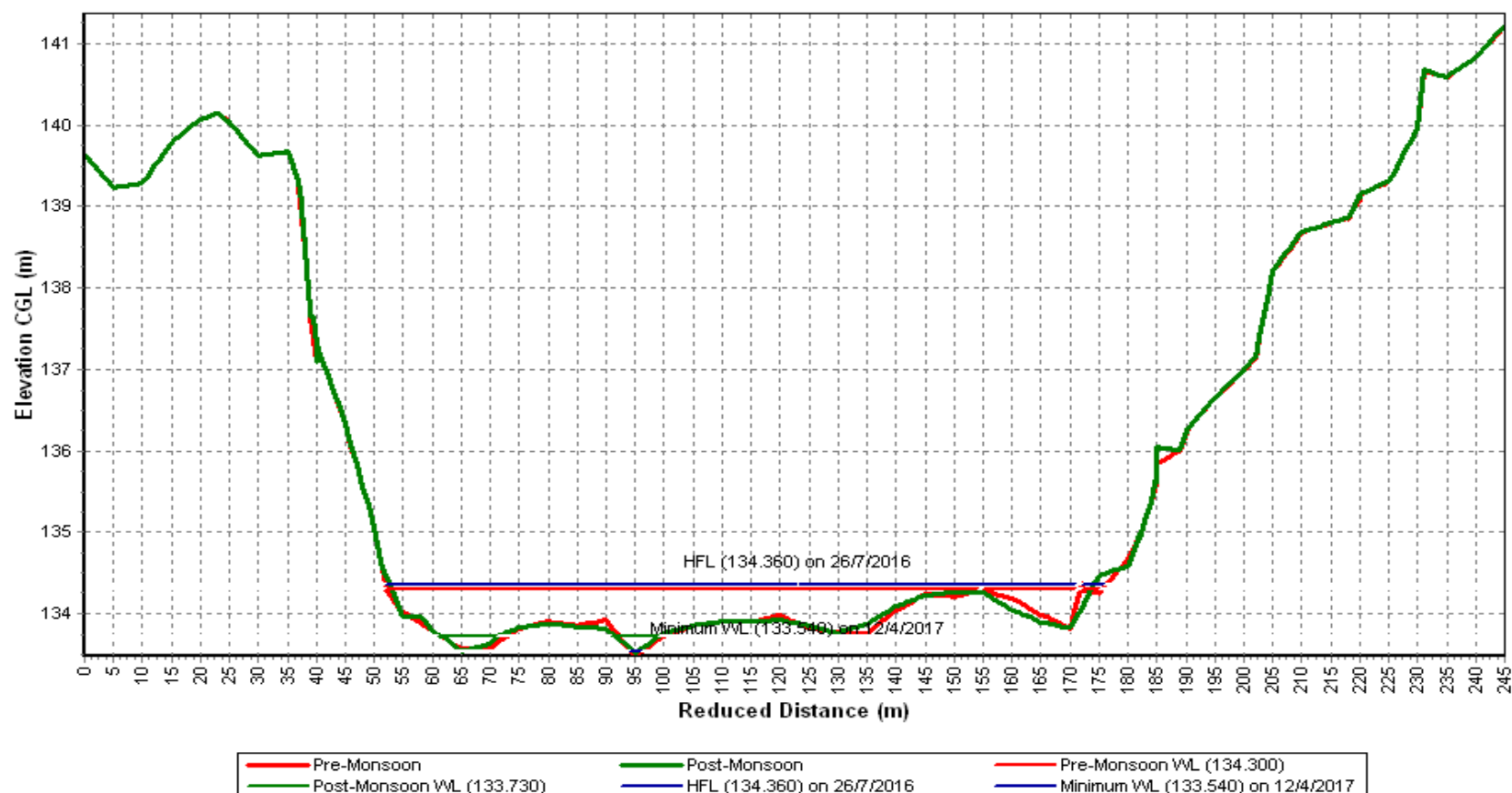
Station Name : VAZHAVACHANUR (CP000H2)

Local River : Ponnaiyar

Division : Hydrology Division, Chennai

Sub-Division : PPSP, Chennai

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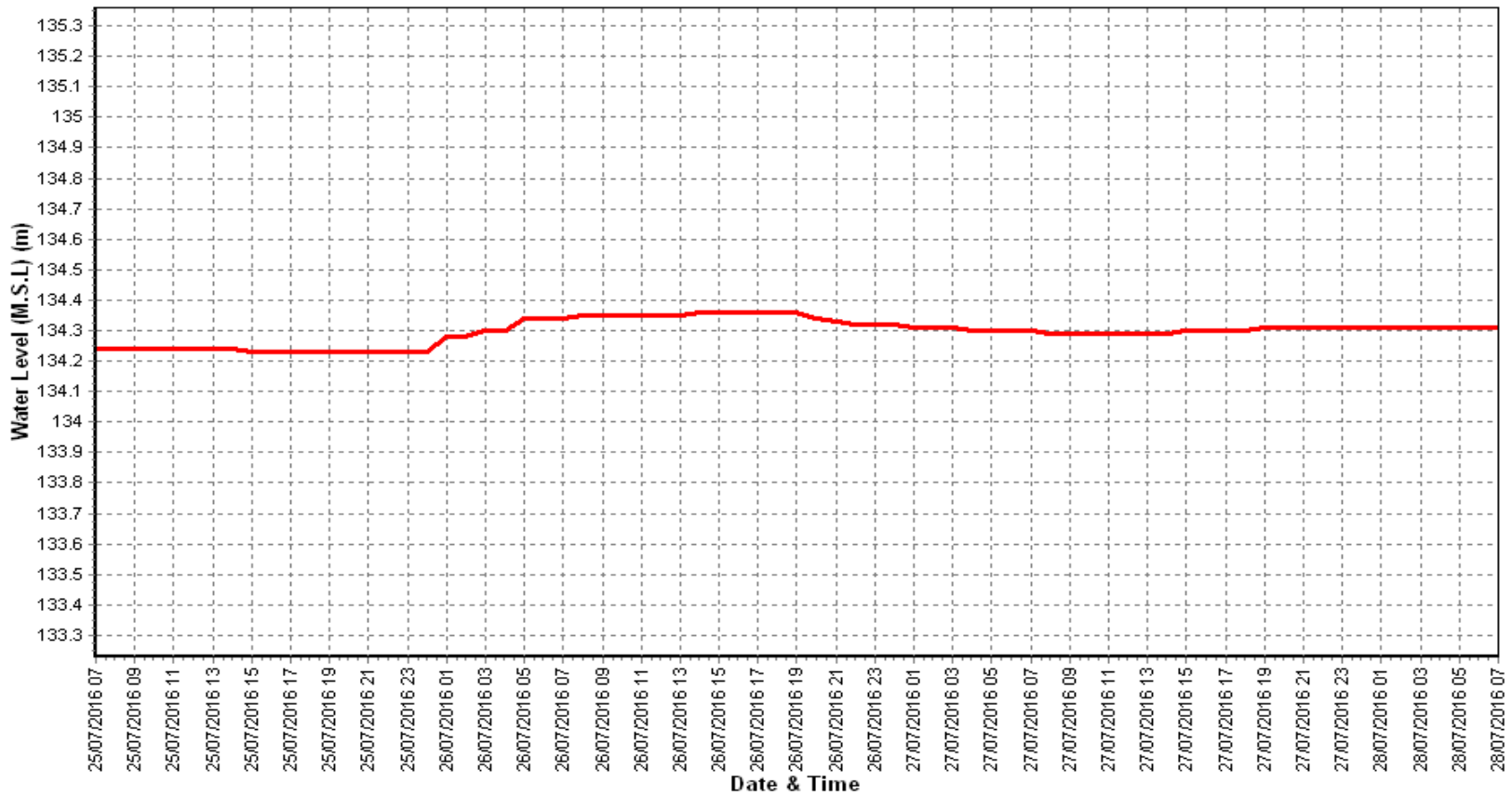
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2016-2017

Station Name : VAZHAVACHANUR (CP000H2)

Local River : Ponnaiyar

Division : Hydrology Division, Chennai

Sub-Division : PPSD, Chennai



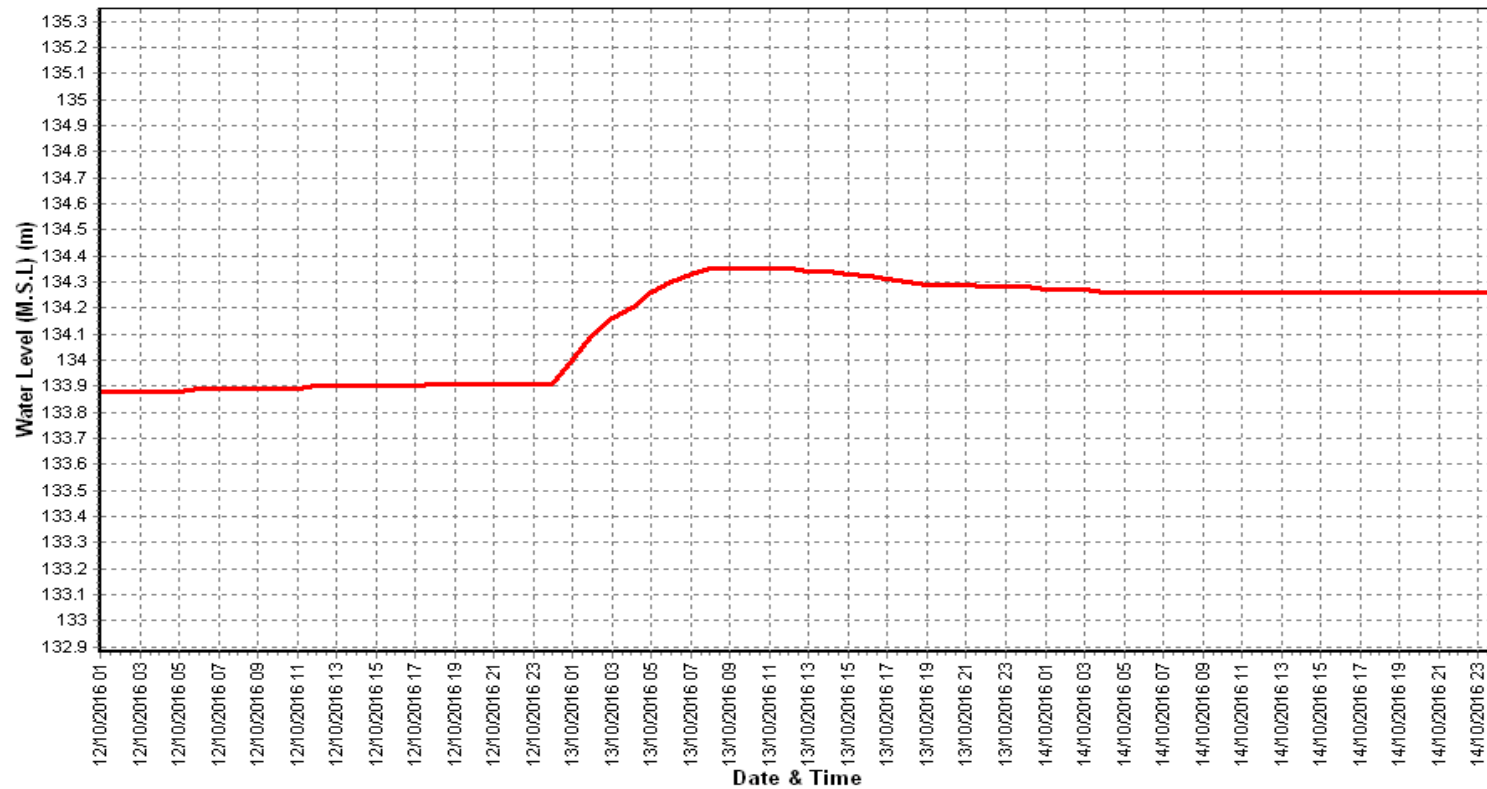
Time Span: 72 Hrs

Station Name : VAZHAVACHANUR (CP000H2)
Local River : Ponnaiyar

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSP, Chennai

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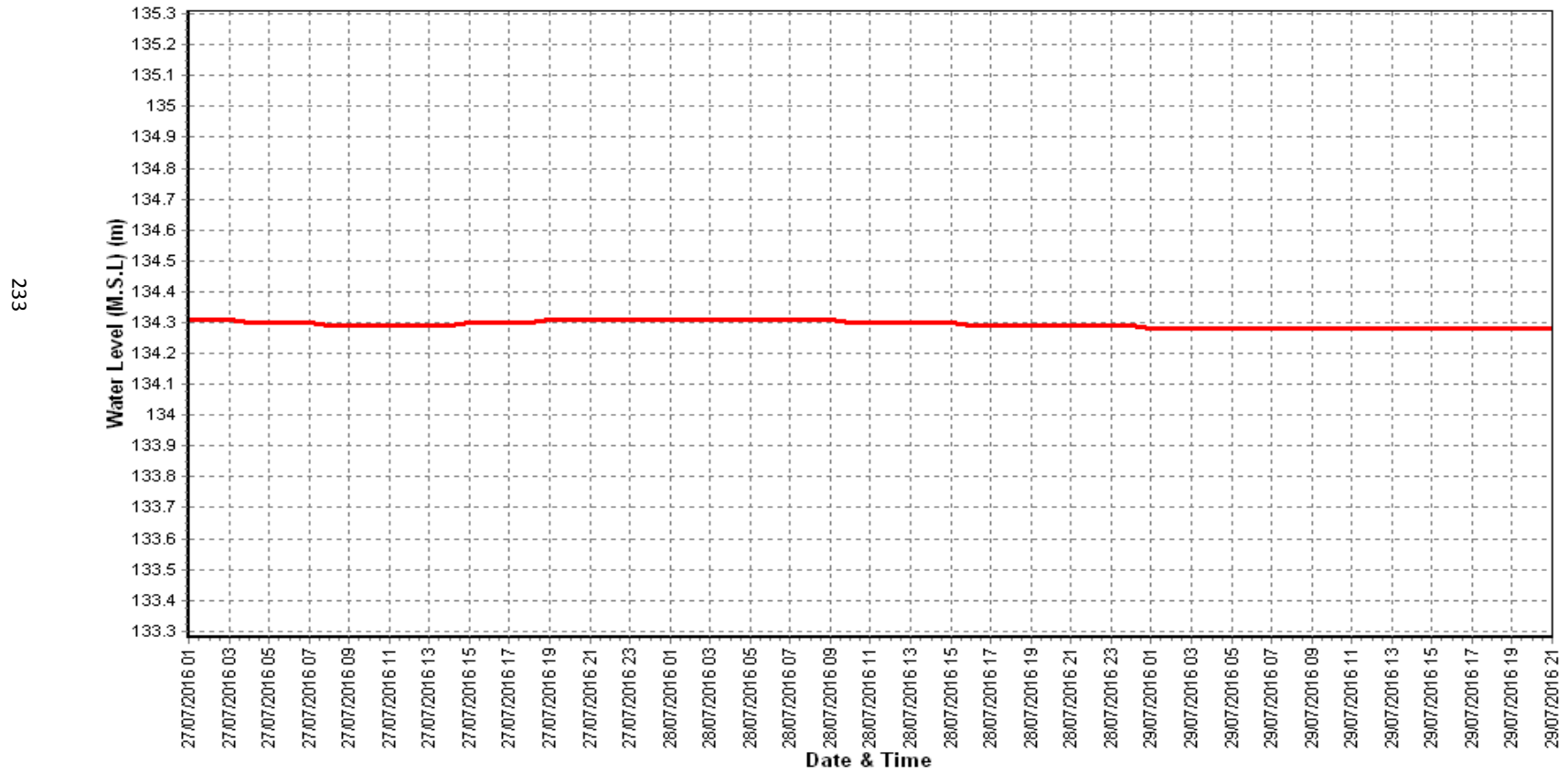


Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2016-2017

Station Name : VAZHAVACHANUR (CP000H2)
Local River : Ponnaiyar

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2016-2017

Site : Gummanur

Code : CP000R5

State : Tamil Nadu

District : Dharmapuri

Basin : EFR B Pennar-Cauvery

Independent River : Ponnaiyar

Tributary :

Sub Tributary :

Sub-Sub Tributary :

Local River : Ponnaiyar

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

Drainage Area : 4620 Sq. Km.

Bank : Left

Latitude : 12°33'18"

Longitude : 78°08'18"

Zero of Gauge (m) : 490.000 (m.s.l)

01/09/1978

Opening Date

Closing Date

Gauge : 01/09/1978

Discharge : 20/09/1978

Sediment : 26/08/1981

Water Quality : 20/09/1978

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1979-1980	179.0	492.400	11/09/1979	0.000	490.780	19/07/1979
1980-1981	31.60	491.380	03/10/1980	0.000	490.800	05/04/1981
1981-1982	1155	495.000	11/09/1981	0.000	490.845	19/02/1982
1982-1983	232.0	492.690	19/09/1982	0.000	491.260	05/07/1982
1983-1984	57.30	491.940	08/06/1983	0.000	491.250	04/04/1984
1984-1985	194.7	492.745	27/09/1984	0.000	491.245	01/06/1984
1985-1986	72.00	492.040	23/08/1985	0.000	491.150	01/06/1985
1986-1987	100.1	492.180	29/09/1986	0.000	491.245	01/07/1986
1987-1988	333.3	492.894	06/10/1987	0.000	491.365	01/06/1987
1988-1989	344.0	492.840	11/09/1988	0.000	491.340	16/06/1988
1989-1990	177.5	492.570	22/09/1989	0.000	491.250	01/06/1989
1990-1991	56.43	492.140	25/09/1990	0.000	491.300	22/06/1990
1991-1992	729.1	493.778	30/10/1991	0.000	Dry Bed	01/06/1991
1992-1993	48.73	491.879	11/06/1992	0.000	Dry Bed	01/08/1992
1993-1994	55.23	492.072	09/10/1993	0.000	Dry Bed	01/06/1993
1994-1995	39.98	491.820	29/10/1994	0.000	Dry Bed	01/06/1994
1995-1996	52.63	492.000	21/08/1995	0.000	Dry Bed	01/06/1995
1996-1997	49.25	491.960	30/09/1996	0.000	Dry Bed	01/06/1996
1997-1998	151.0	492.725	19/11/1997	0.000	491.145	01/06/1997

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1998-1999	124.2	492.110	11/10/1998	0.000	491.185	01/06/1998
1999-2000	143.5	492.650	26/10/1999	0.000	491.130	01/06/1999
2000-2001	187.7	493.100	23/10/2000	0.000	491.200	01/06/2000
2001-2002	184.8	492.250	06/10/2001	0.000	491.090	01/06/2001
2002-2003	21.50	491.490	03/11/2002	0.000	491.000	20/07/2002
2003-2004	69.73	491.685	07/10/2003	0.000	490.970	01/06/2003
2004-2005	242.4	492.700	16/10/2004	0.000	490.925	14/08/2004
2005-2006	2170	495.600	24/10/2005	0.000	490.870	10/07/2005
2006-2007	22.20	491.550	05/11/2006	0.000	490.990	01/06/2006
2007-2008	82.53	491.800	16/09/2007	0.000	490.870	10/07/2007
2008-2009	94.97	491.770	30/08/2008	0.000	490.800	14/04/2009
2009-2010	102.7	491.740	16/09/2009	0.000	490.970	11/08/2009
2010-2011	38.47	491.575	10/11/2010	0.000	491.030	02/04/2011
2011-2012	77.76	491.670	13/10/2011	0.000	490.895	18/04/2012
2012-2013	23.88	491.450	05/11/2012	0.000	490.900	01/06/2012
2013-2014	115.6	491.850	15/09/2013	0.000	490.850	17/07/2013
2014-2015	88.64	491.710	28/10/2014	0.000	490.940	29/06/2014
2015-2016	125.4	491.760	10/11/2015	0.000	491.030	08/04/2016

Stage-Discharge Data for the period 2016 - 2017

Station Name : Gummanur (CP000R5)

Local River : Ponnaiyar

Division : SR Division, Coimbatore

Sub-Division : LCSD, Trichi

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	491.390	10.58	491.385	9.796	491.630	53.12	491.375	11.97	491.315	7.717	491.275	2.401
2	491.385	9.612	491.375	8.621	491.470	24.57	491.370	11.62	491.320	7.467	491.315	7.833
3	491.385	9.601	491.340	6.662	491.465	22.30	491.390	12.84	491.320	8.307	491.330	8.917
4	491.395	11.30	491.190	0.389	491.410	21.87	491.410	21.87	491.330	8.841	491.320	8.356
5	491.400	12.12	490.990	0.000	491.395	18.96	491.395	18.96	491.320	8.557	491.305	7.079
6	491.425	15.23	490.960	0.000	491.395	18.96	491.390	12.84	491.315	7.812	491.295	4.775
7	491.415	13.47	490.910	0.000	491.340	10.03	491.340	10.07	491.310	7.226	491.295	5.176
8	491.475	23.79	490.900	0.000	491.340	10.27	491.330	8.953	491.310	7.349	491.295	5.146
9	491.475	23.80	490.900	0.000	491.325	8.628	491.330	8.881	491.310	6.320	491.305	7.142
10	491.480	26.65	490.940	0.000	491.320	7.950	491.320	8.171	491.310	7.482	491.305	7.075
11	491.470	22.64	490.930	0.000	491.315	7.500	491.200	0.000	491.305	5.780	491.295	5.164
12	491.470	21.07	490.950	0.000	491.320	7.956	491.140	0.000	491.340	10.03	491.300	5.600
13	491.465	21.88	491.110	0.000	491.325	8.642	491.120	0.000	491.370	11.94	491.295	4.775
14	491.445	19.42	491.080	0.000	491.335	9.357	491.410	21.87	491.350	10.84	491.310	6.320
15	491.410	13.09	491.065	0.000	491.335	9.357	491.340	9.967	491.340	9.991	491.285	2.937
16	491.395	11.35	491.060	0.000	491.340	10.25	491.275	2.266	491.325	8.075	491.275	2.378
17	491.385	9.815	491.260	2.172	491.340	10.24	491.315	7.547	491.320	8.689	491.285	2.933
18	491.375	9.061	491.275	2.128	491.340	10.33	491.315	6.882	491.340	9.923	491.285	2.976
19	491.450	18.21	491.230	1.031	491.325	8.820	491.315	7.374	491.330	8.872	491.280	2.839
20	491.450	21.42	491.210	0.921	491.325	8.565	491.340	10.04	491.330	8.950	491.285	3.860
21	491.400	12.46	491.210	0.924	491.325	8.075	491.350	11.46	491.340	10.19	491.285	4.882
22	491.395	11.37	491.220	0.979	491.325	8.608	491.375	12.22	491.340	10.22	491.285	2.985
23	491.435	16.23	491.190	0.389	491.340	10.20	491.370	12.00	491.315	6.882	491.275	2.387
24	491.445	17.54	491.375	9.609	491.330	8.811	491.320	8.176	491.315	7.755	491.285	3.000
25	491.470	24.09	491.385	9.091	491.340	10.03	491.315	6.882	491.325	8.807	491.290	4.905
26	491.450	18.21	491.470	24.39	491.340	10.33	491.310	7.400	491.320	8.689	491.285	2.921
27	491.435	16.23	491.880	71.26	491.350	11.53	491.305	7.056	491.305	5.780	491.285	3.860
28	491.410	13.37	491.510	28.30	491.340	10.03	491.305	7.031	491.275	2.412	491.305	7.150
29	491.385	9.952	491.540	28.91	491.340	10.17	491.320	8.295	491.265	2.315	491.290	4.946
30	491.395	11.14	491.780	57.46	491.340	9.939	491.325	8.721	491.275	3.039	491.285	2.965
31			491.655	44.77	491.385	12.44			491.305	6.988		
Ten-Daily Mean												
I Ten-Daily	491.423	15.62	491.089	2.547	491.409	19.67	491.365	12.62	491.316	7.708	491.304	6.390
II Ten-Daily	491.432	16.80	491.117	0.625	491.330	9.102	491.277	6.594	491.335	9.308	491.289	3.978
III Ten-Daily	491.422	15.06	491.474	25.10	491.341	10.01	491.329	8.925	491.307	6.643	491.287	4.000
Monthly												
Min.	491.375	9.061	490.900	0.000	491.315	7.500	491.120	0.000	491.265	2.315	491.275	2.378
Max.	491.480	26.65	491.880	71.26	491.630	53.12	491.410	21.87	491.370	11.94	491.330	8.917
Mean	491.425	15.82	491.235	9.929	491.360	12.83	491.324	9.379	491.319	7.846	491.293	4.789

Annual Runoff in MCM = 269 Annual Runoff in mm = 58

Peak Observed Discharge = 71.26 cumecs on 27/07/2016 Corres. Water Level :491.88 m

Lowest Observed Discharge = 0.000 cumecs on 05/07/2016 Corres. Water Level :490.99 m

Lowest Computed Discharge = 0.721 cumecs on 14/04/2017 Corres. Water Level :491.21 m

Q: Observed/Computed Discharge in cumecs

WL: Corresponding Mean Water Level(m.s.l) in m

*: Computed Discharge

#: Discarded Discharge (values changed as per rating curve)

Note: Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2016 - 2017

Station Name : Gummanur (CP000R5)

Local River : Ponnaiyar

Division : SR Division, Coimbatore

Sub-Division : LCSD, Trichi

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	491.305	7.223	491.315	8.504 *	491.280	2.864	491.265	2.327	491.220	1.136	491.155	0.000
2	491.315	7.876	491.320	9.144	491.270	2.599	491.260	2.296	491.215	0.828 *	491.155	0.000
3	491.320	8.698	491.310	8.835	491.255	1.974	491.270	2.444	491.210	0.642 #	491.140	0.000
4	491.315	8.504 *	491.320	9.162	491.255	1.814	491.270	2.443	491.140	0.000	491.160	0.000
5	491.330	9.139	491.310	8.924	491.260	2.126 *	491.265	2.412 *	491.120	0.000	491.160	0.000
6	491.340	10.35	491.310	8.889	491.260	2.130	491.290	3.083	491.070	0.000	491.155	0.000
7	491.350	11.67	491.300	8.685	491.255	2.031	491.300	5.701	491.180	0.169 #	491.170	0.000
8	491.350	11.65	491.315	8.504 *	491.255	2.070	491.340	7.971	491.225	1.150	491.165	0.000
9	491.340	10.32	491.320	9.067	491.260	2.154	491.320	6.986	491.150	0.000	491.165	0.000
10	491.350	11.54	491.315	9.083	491.260	2.102	491.310	6.540	491.140	0.000	491.165	0.000
11	491.340	10.46 *	491.310	8.852	491.255	2.078	491.305	6.345	491.120	0.000	491.280	3.181
12	491.315	7.807	491.305	8.636	491.255	1.854 *	491.320	6.322 *	491.190	0.309 #	491.300	4.909 #
13	491.360	12.17 *	491.340	10.52	491.270	2.486	491.340	8.001	491.220	1.121	491.340	8.695
14	491.410	15.41	491.335	10.06 *	491.265	2.306	491.360	9.964	491.210	0.721 *	491.320	6.381 *
15	491.470	25.56	491.345	10.88 *	491.260	2.189	491.360	10.00	491.180	0.169 #	491.315	7.355
16	491.540	32.80 #	491.340	10.64	491.260	2.160	491.350	9.917	491.150	0.000	491.340	9.604
17	491.430	21.89	491.320	9.195	491.255	2.069	491.340	8.234	491.165	0.000	491.355	9.156
18	491.385	14.47 *	491.320	9.085	491.255	2.078	491.330	7.696	491.230	1.164	491.335	8.700
19	491.370	12.08	491.330	9.788	491.260	2.126 *	491.330	7.168 *	491.280	3.112	491.390	12.38
20	491.360	11.19	491.340	10.81	491.260	2.260	491.320	7.222	491.260	2.953	491.350	8.824
21	491.370	12.05	491.340	10.66	491.260	2.278	491.310	7.061	491.235	1.213	491.375	11.47 *
22	491.360	11.23	491.340	10.46 *	491.270	2.388	491.305	7.002	491.300	4.909 #	491.400	12.90
23	491.350	11.01	491.330	9.667	491.280	2.565	491.300	6.797	491.265	2.816 *	491.455	15.55
24	491.340	10.33	491.315	7.815	491.270	2.708 *	491.295	6.720	491.260	2.996	491.435	14.26
25	491.345	10.88 *	491.320	8.019	491.265	2.304	491.300	6.867	491.235	1.183	491.410	13.84
26	491.350	11.04	491.315	8.504 *	491.265	2.412 *	491.270	3.900 *	491.260	3.033	491.410	13.53
27	491.345	10.76	491.315	7.844	491.265	2.181	491.255	2.137	491.265	3.054	491.580	52.86
28	491.340	10.41	491.310	7.339	491.260	2.278	491.220	1.100	491.220	1.151	491.470	23.99 *
29	491.320	9.060	491.300	4.745 *			491.220	1.093	491.145	0.000	491.515	28.85
30	491.310	8.899	491.285	2.914			491.230	1.157	491.160	0.000	491.600	62.27
31	491.320	9.155	491.285	2.824			491.220	1.125			491.515	29.31
Ten-Daily Mean												
I Ten-Daily	491.332	9.696	491.314	8.880	491.261	2.186	491.289	4.220	491.167	0.392	491.159	0.000
II Ten-Daily	491.398	16.38	491.329	9.847	491.259	2.161	491.336	8.087	491.201	0.955	491.333	7.919
III Ten-Daily	491.341	10.44	491.314	7.345	491.267	2.389	491.266	4.087	491.234	2.036	491.470	25.35
Monthly												
Min.	491.305	7.223	491.285	2.824	491.255	1.814	491.220	1.093	491.070	0.000	491.140	0.000
Max.	491.540	32.80	491.345	10.88	491.280	2.864	491.360	10.00	491.300	4.909	491.600	62.27
Mean	491.356	12.12	491.319	8.647	491.262	2.235	491.296	5.42	491.201	1.128	491.325	11.55

Peak Computed Discharge = 44.77 cumecs on 31/07/2016

Corres. Water Level :491.655 m

Lowest Computed Discharge = 0.721 cumecs on 14/04/2017

Corres. Water Level :491.21 m

Q: Observed/Computed Discharge in cumecs

WL: Corresponding Mean Water Level(m.s.l) in m

*: Computed Discharge

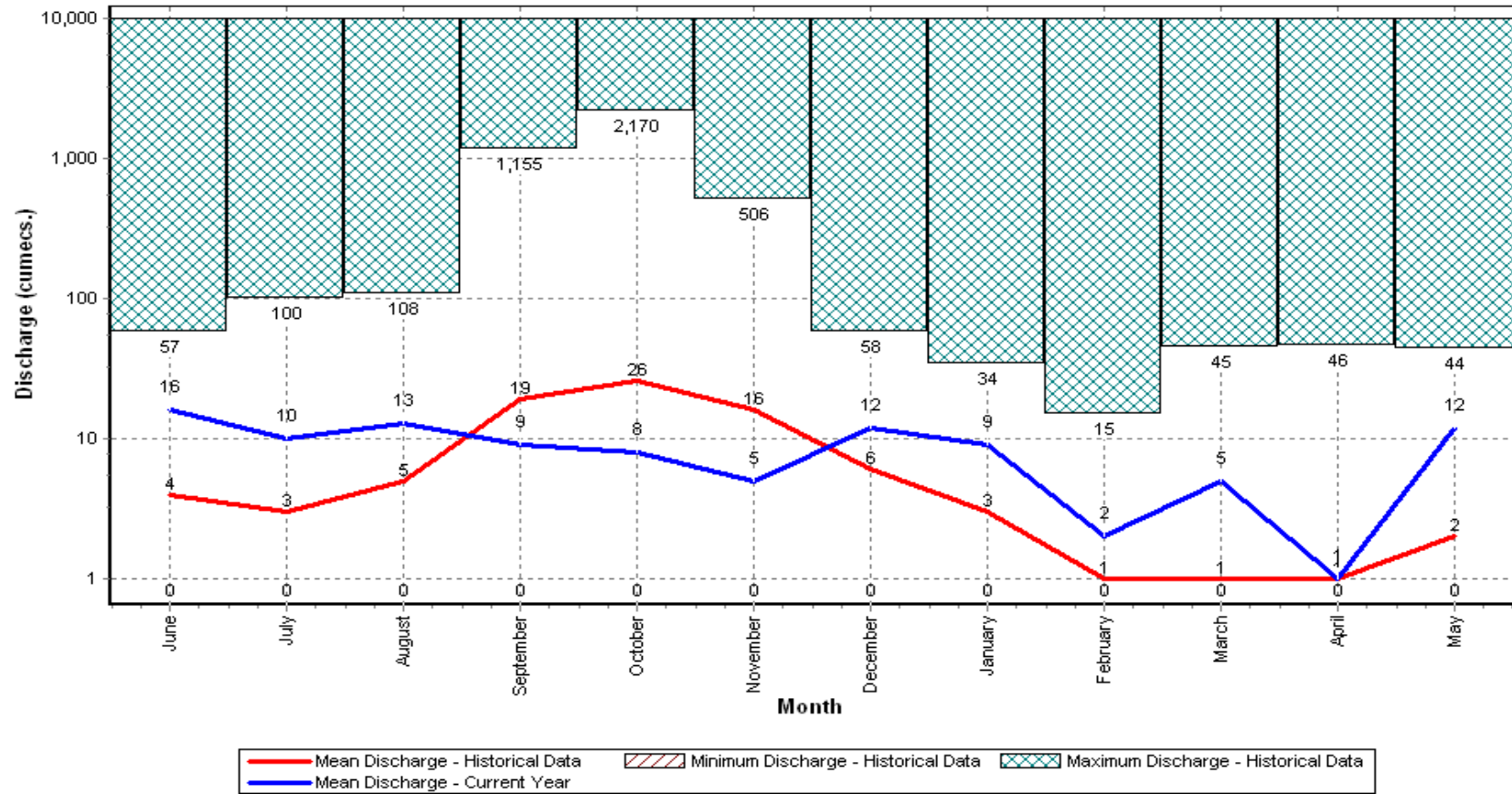
#: Discarded Discharge (values changed as per rating curve)

Note: Missing values ignored while arriving at Annual Runoff

Station Name : Gummanur (CP000R5)
Local River : Ponnaiyar

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017 Data considered : 1979-2017

Division : SR Division, Coimbatore
Sub-Division : LCSD, Trichi



Annual Runoff Values for the period: 1979 - 2017

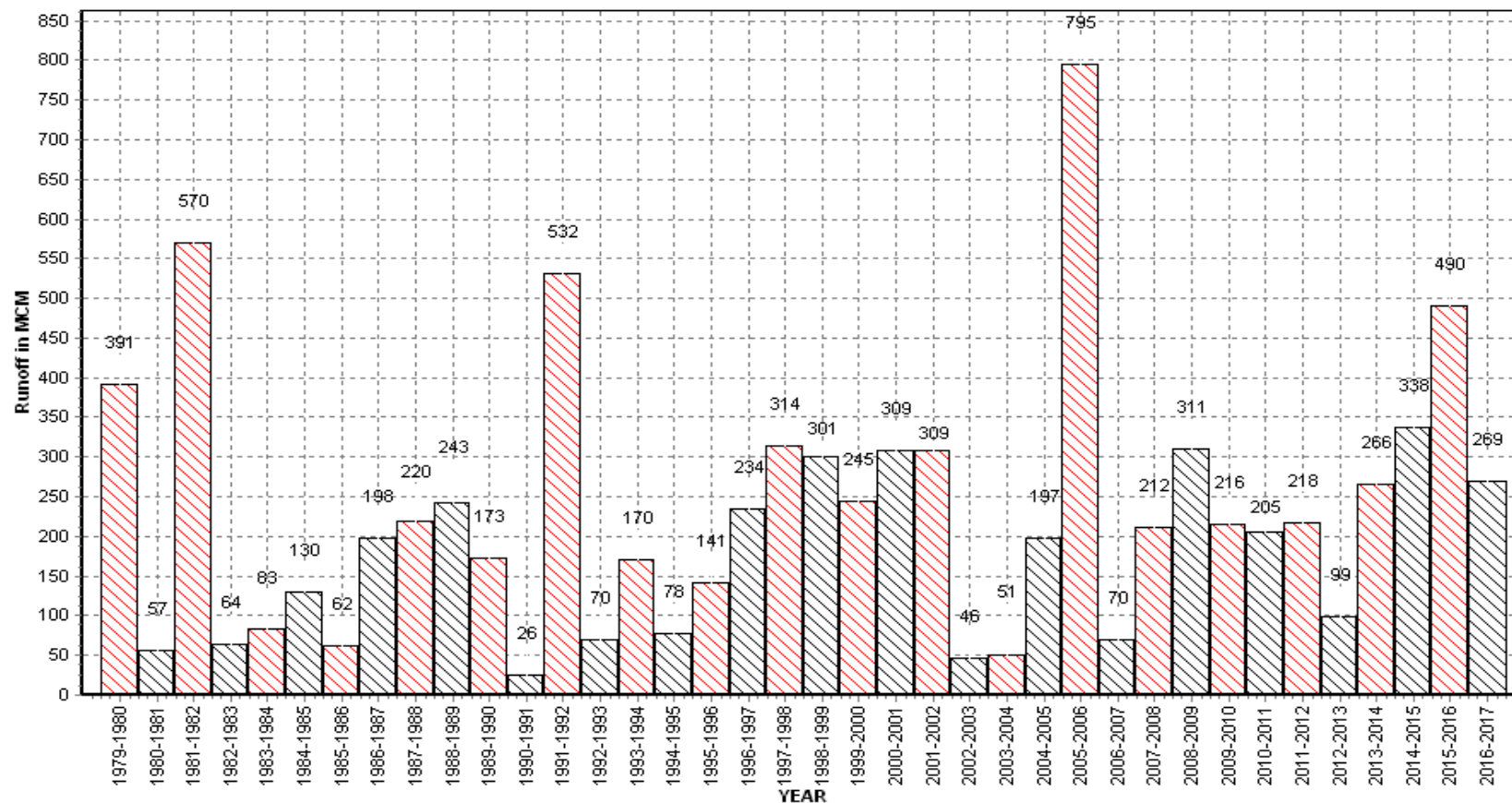
Station Name : Gummanur (CP000R5)

Local River : Ponnaiyar

Division : SR Division, Coimbatore

Sub-Division : LCSD, Trichi

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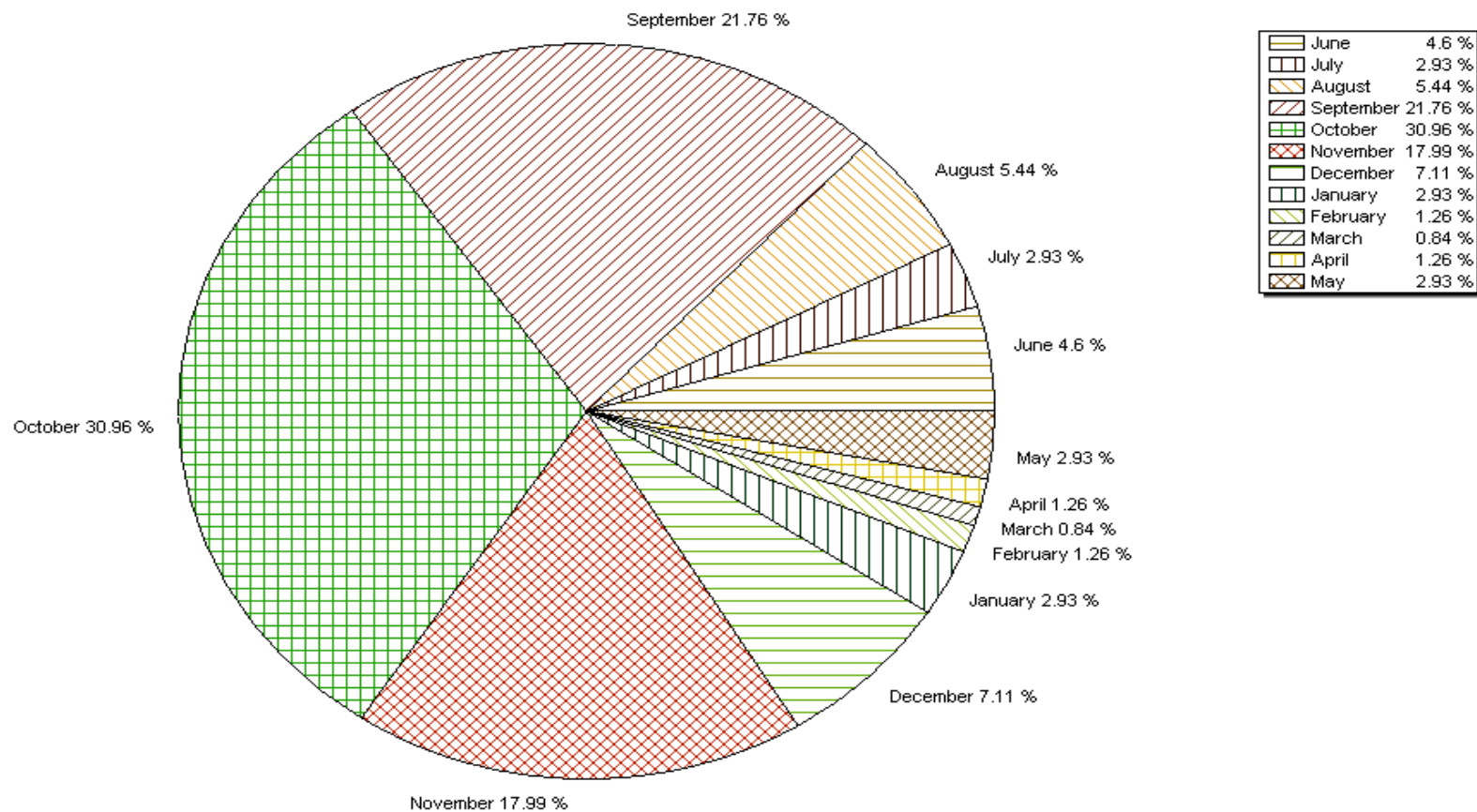


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Gummanur (CP000R5)
Local River : Ponnaiyar

Monthly Average Runoff based on period : 1979-2016

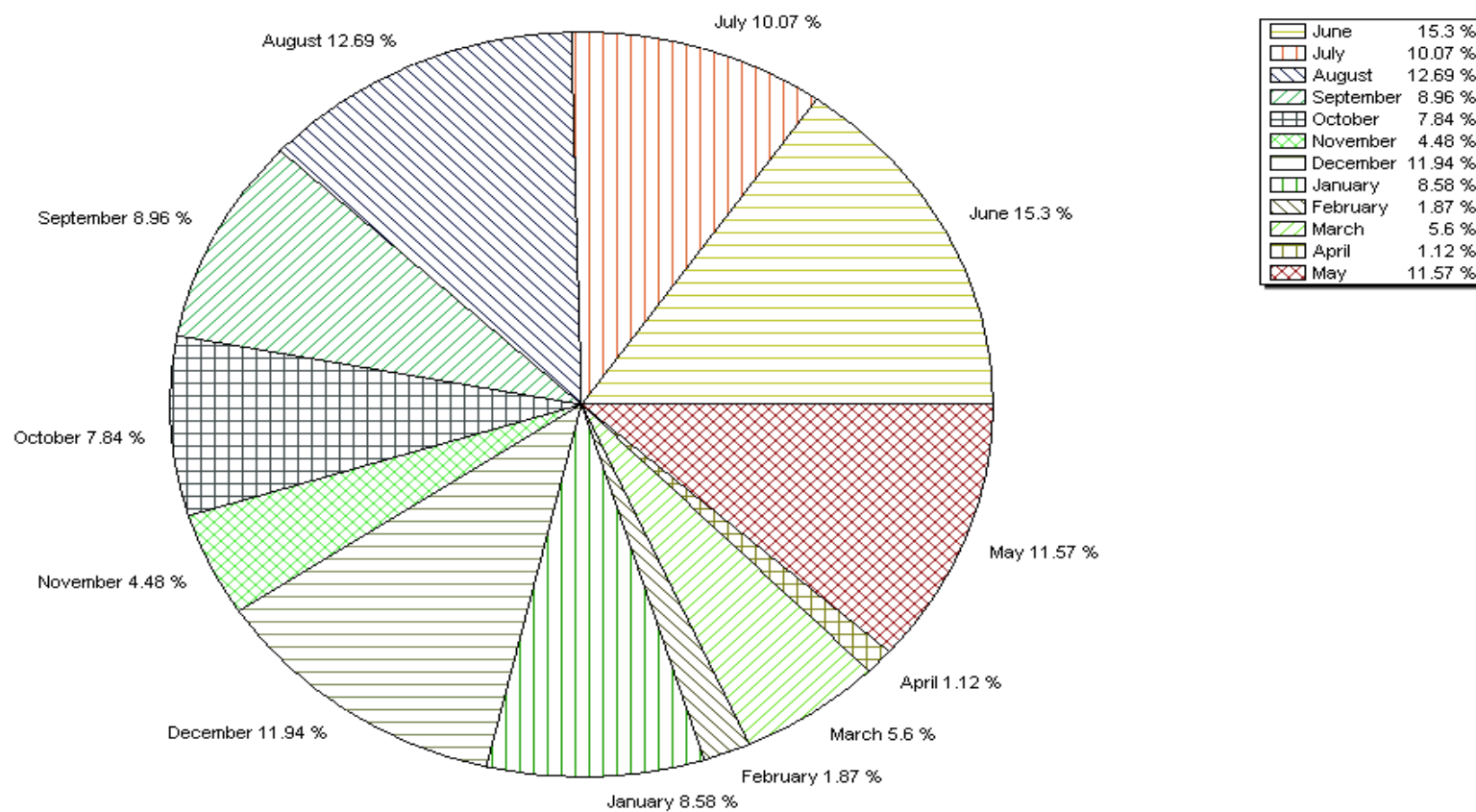
Division : SR Division, Coimbatore
Sub-Division : LCSD, Trichi



Station Name : Gummanur (CP000R5)
Local River : Ponnaiyar

Monthly Runoff for the Year : 2016-2017

Division : SR Division, Coimbatore
Sub-Division : LCSD, Trichi



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

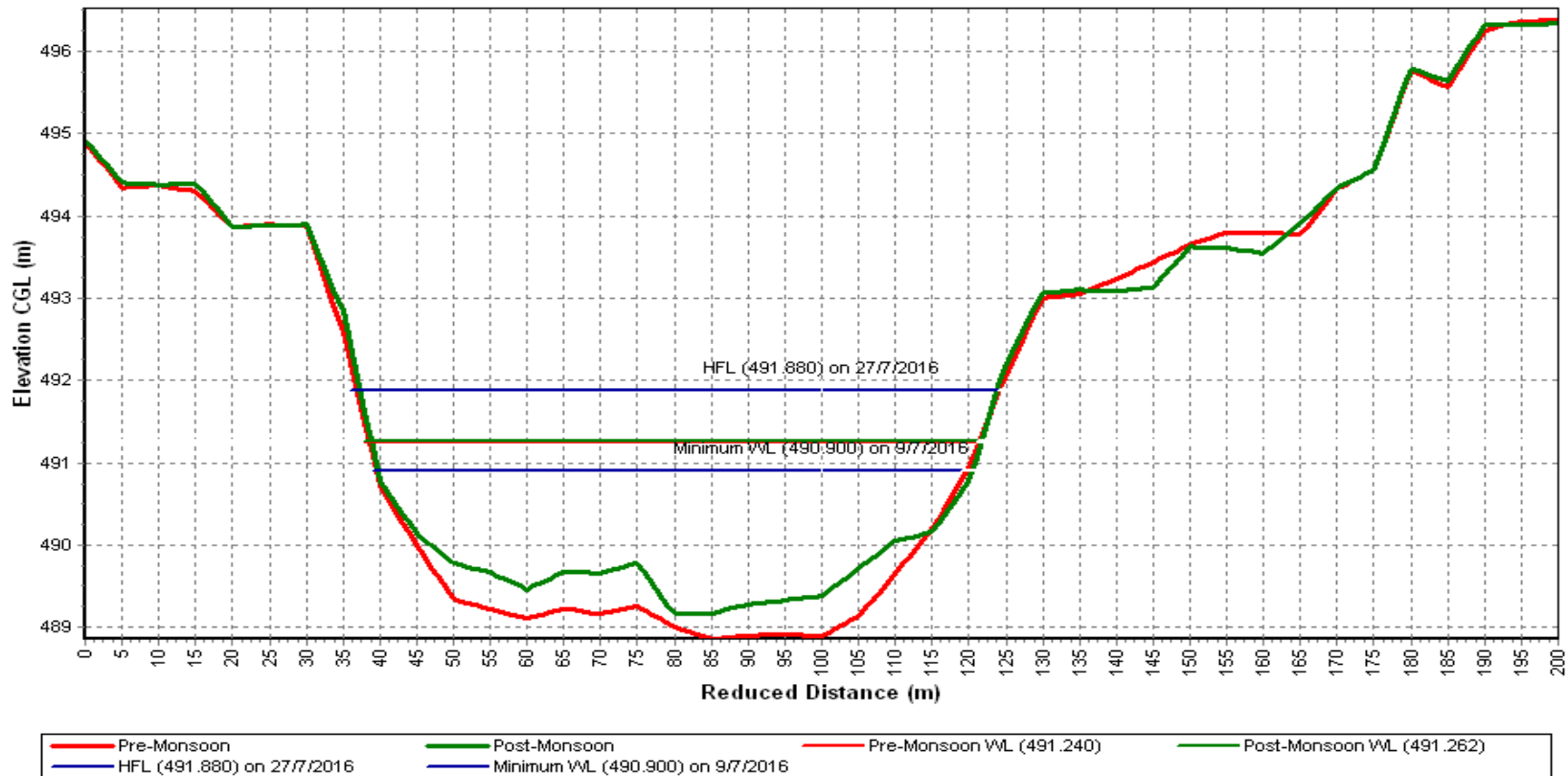
Station Name : Gummanur (CP000R5)

Local River : Ponnaiyar

Division : SR Division, Coimbatore

Sub-Division : LCSD, Trichi

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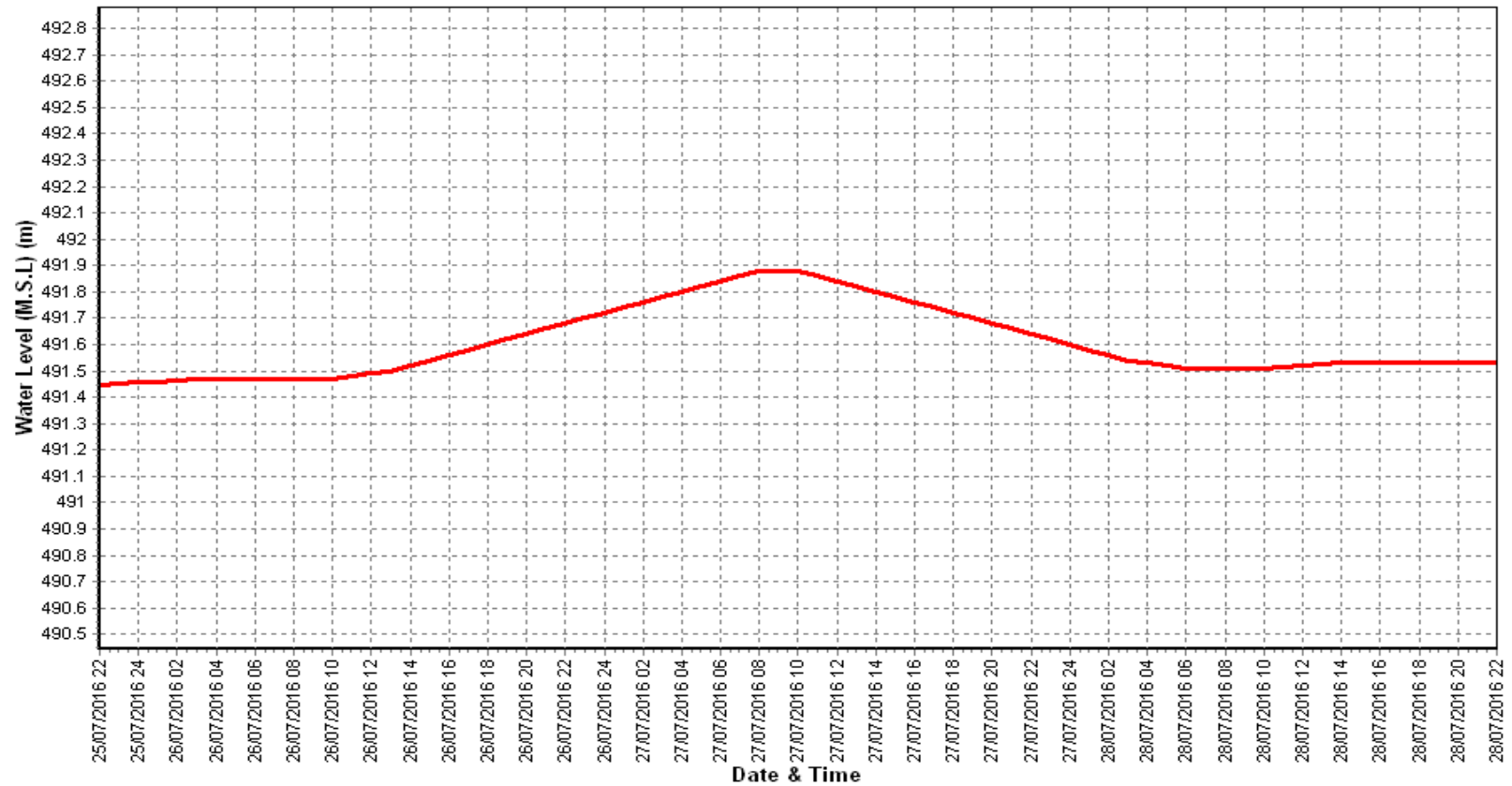
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2016-2017

Station Name : Gummanur (CP000R5)

Local River : Ponnaiyar

Division : SR Division, Coimbatore

Sub-Division : LCSD, Trichi



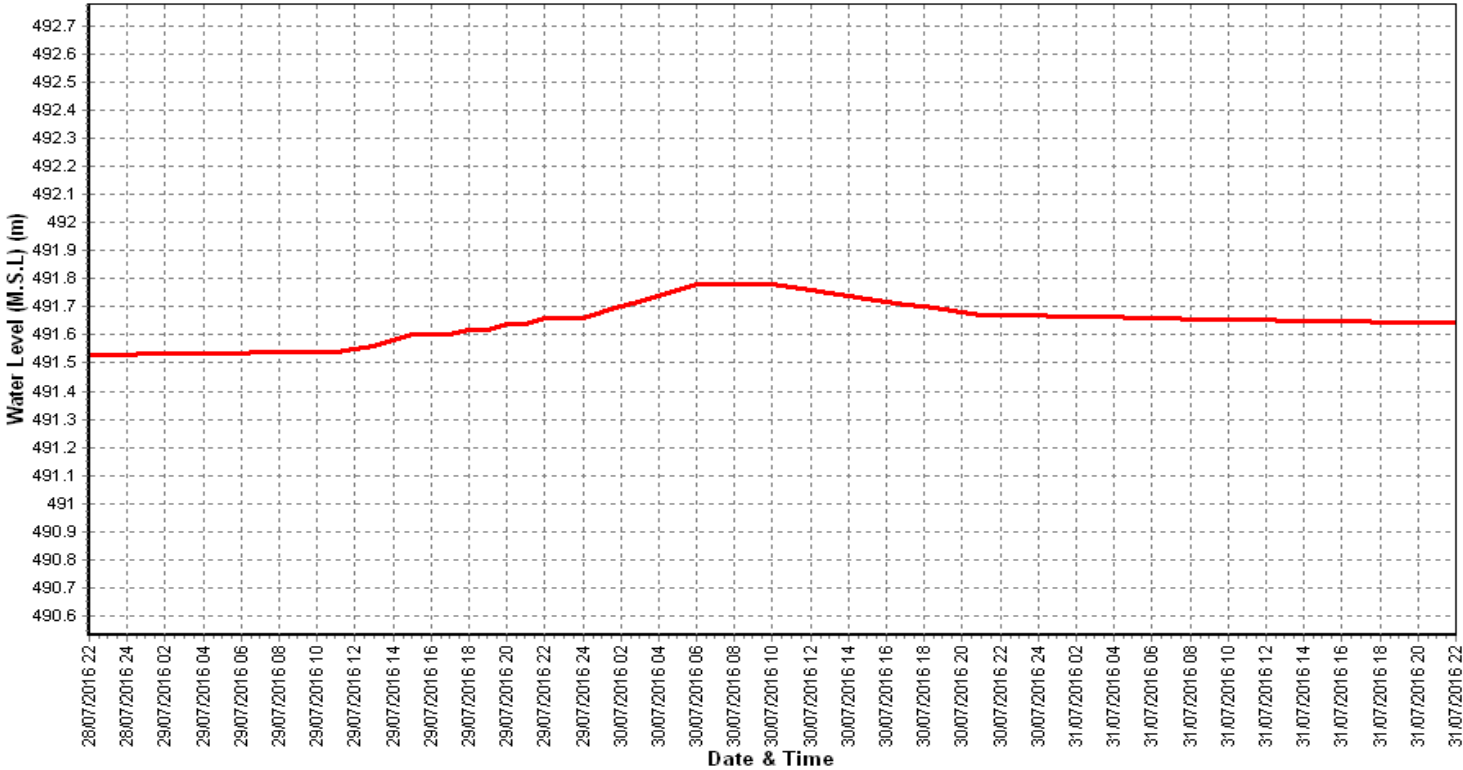
Time Span: 72 Hrs

Station Name : Gummanur (CP000R5)
Local River : Ponnaiyar

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2016-2017

Division : SR Division, Coimbatore
Sub-Division : LCSD, Trichi

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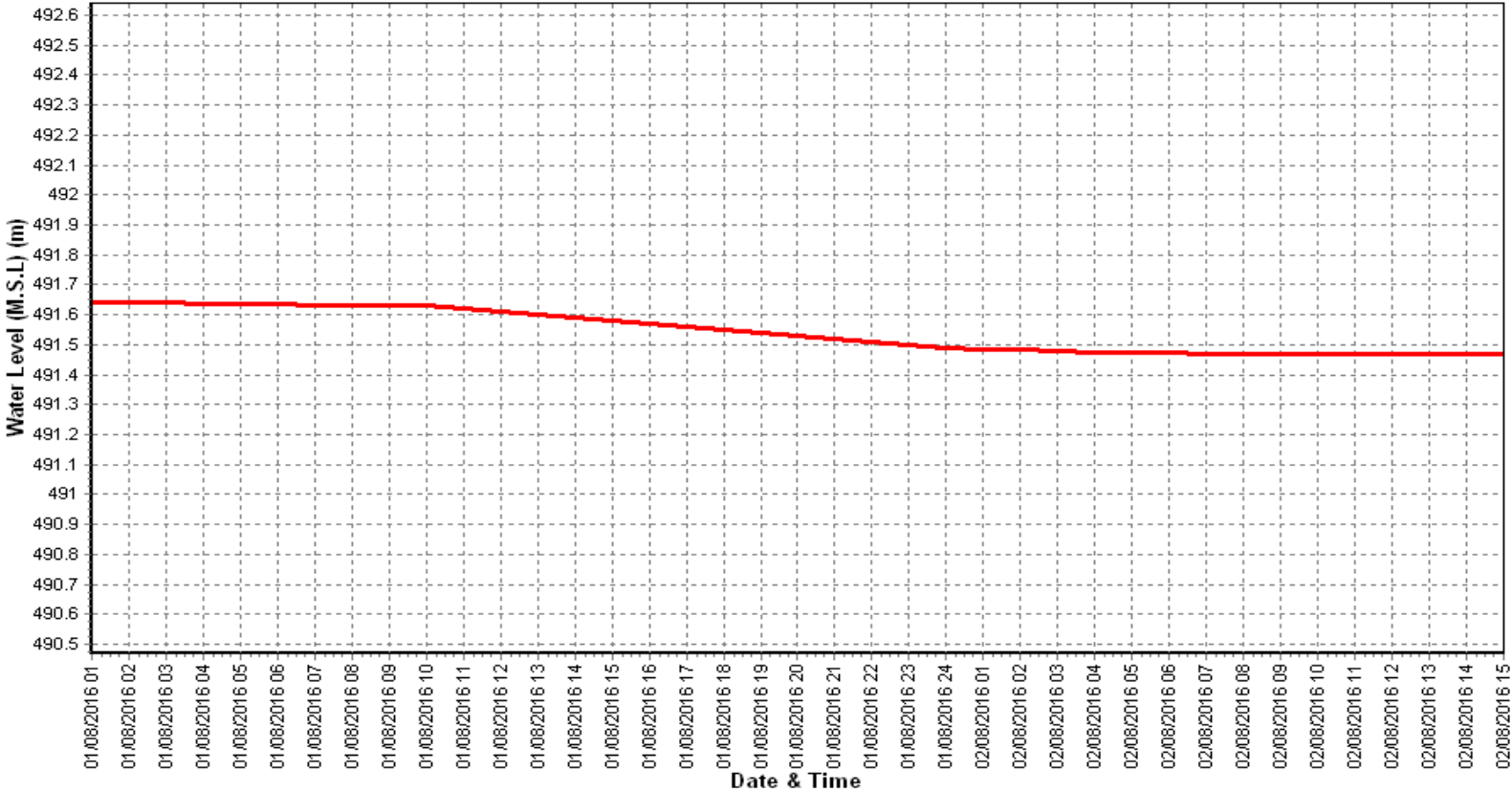
Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2016-2017

Station Name : Gummanur (CP000R5)
Local River : Ponnaiyar

Division : SR Division, Coimbatore
Sub-Division : LCSD, Trichi

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HISTORY SHEET

Water Year : 2016-2017

Site : Kudalaiyathur

Code : CE000F6

State : Tamil Nadu

District : Cuddalore

Basin : EFR B Pennar-Cauvery

Independent River : Vellar

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Vellar

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

Drainage Area : 7890 Sq. Km.

Bank : Right

Latitude : 11°25'20"

Longitude : 79°28'15"

Zero of Gauge (m) : 41.000 (m.s.l)Arb
11.000 (m.s.l)14/11/1989 - 31/05/2005
01/06/2005

Opening Date

Closing Date

Gauge : 14/11/1989

Discharge : 15/11/1989

Sediment :

Water Quality : 01/06/1993

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1990-1991	0.000	Dry Bed	01/06/1990	0.000	Dry Bed	01/06/1990
1991-1992	1640	48.486	16/11/1991	0.000	Dry Bed	01/06/1991
1992-1993	1558	48.032	15/11/1992	0.000	Dry Bed	01/06/1992
1993-1994	2087	48.892	05/12/1993	0.000	Dry Bed	01/06/1993
1994-1995	497.0	46.400	06/11/1994	0.000	Dry Bed	01/06/1994
1995-1996	53.00	44.605	22/10/1995	0.000	Dry Bed	01/06/1995
1996-1997	342.0	47.800	16/12/1996	0.000	Dry Bed	01/06/1996
1997-1998	882.4	46.300	09/11/1997	0.000	Dry Bed	01/06/1997
1998-1999	2058	48.880	11/12/1998	0.000	Dry Bed	01/06/1998
1999-2000	404.3	45.680	23/11/1999	0.000	Dry Bed	01/06/1999
2000-2001	335.3	45.750	02/12/2000	0.000	Dry Bed	01/06/2000
2001-2002	3.619	43.760	04/02/2002	0.000	Dry Bed	01/06/2001
2002-2003	23.28	44.110	02/11/2002	0.000	Dry Bed	01/06/2002
2003-2004	43.22	44.545	10/11/2003	0.000	Dry Bed	01/06/2003
2004-2005	878.4	47.490	31/10/2004	0.000	Dry Bed	01/06/2004
2005-2006	Data not published-Site washed out in High Floods					
2006-2007	363.6	16.020	19/11/2006	0.000	Dry Bed	01/06/2006
2007-2008	904.4	17.500	20/12/2007	0.000	Dry Bed	01/06/2007

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2008-2009	1692	18.350	28/11/2008	0.000	Dry Bed	01/06/2008
2009-2010	532.8	15.600	17/12/2009	0.000	Dry Bed	01/06/2009
2010-2011	1633	18.160	02/12/2010	0.000	Dry Bed	01/06/2010
2011-2012	625.0	16.870	27/11/2011	0.000	Dry Bed	01/06/2011
2012-2013	68.68	14.020	02/11/2012	0.000	Dry Bed	01/06/2012
2013-2014	3.360	13.350	18/11/2013	0.000	Dry Bed	01/06/2013
2014-2015	8.619	13.435	15/11/2014	0.000	Dry Bed	01/06/2014
2015-2016	997.3	16.500	07/12/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : Kudalaiyathur (CE000F6)

Division : Hydrology Division, Chennai

Local River : Vellar

Sub-Division : PPSP, Chennai

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000		0.0	DRY BED					0		0.000
12		0.000		0.0						0		0.000
13		0.000		0.0						0		0.000
14		0.000		0.0						0		0.000
15		0.000		0.000		0.000		0.000		0.000		0.000
16		0.000		0.000		0.000		0.000		0.000		0.000
17		0.000		0.000		0.000		0.000		0.000		0.000
18		0.000		0.000		0.000		0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000		0.000		0.000		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000		0.000		0.000		0.000		0.000
30		0.000		0.000		0.000		0.000		0.000		0.000
31				0.000		0.000				0.000		
Ten-Daily Mean												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
Monthly												
Min.		0.000		0.000		0.000		0.000		0.000		0.000
Max.		0.000		0.000		0.000		0.000		0.000		0.000
Mean		0		0		0		0		0		0

Annual Runoff in MCM = 0 Annual Runoff in mm = 0

Peak Observed Discharge = 0.000 cumecs on 01/06/2016

Lowest Observed Discharge = 0.000 cumecs on 01/06/2016

Q:Observed/Computed Discharge in cumecs

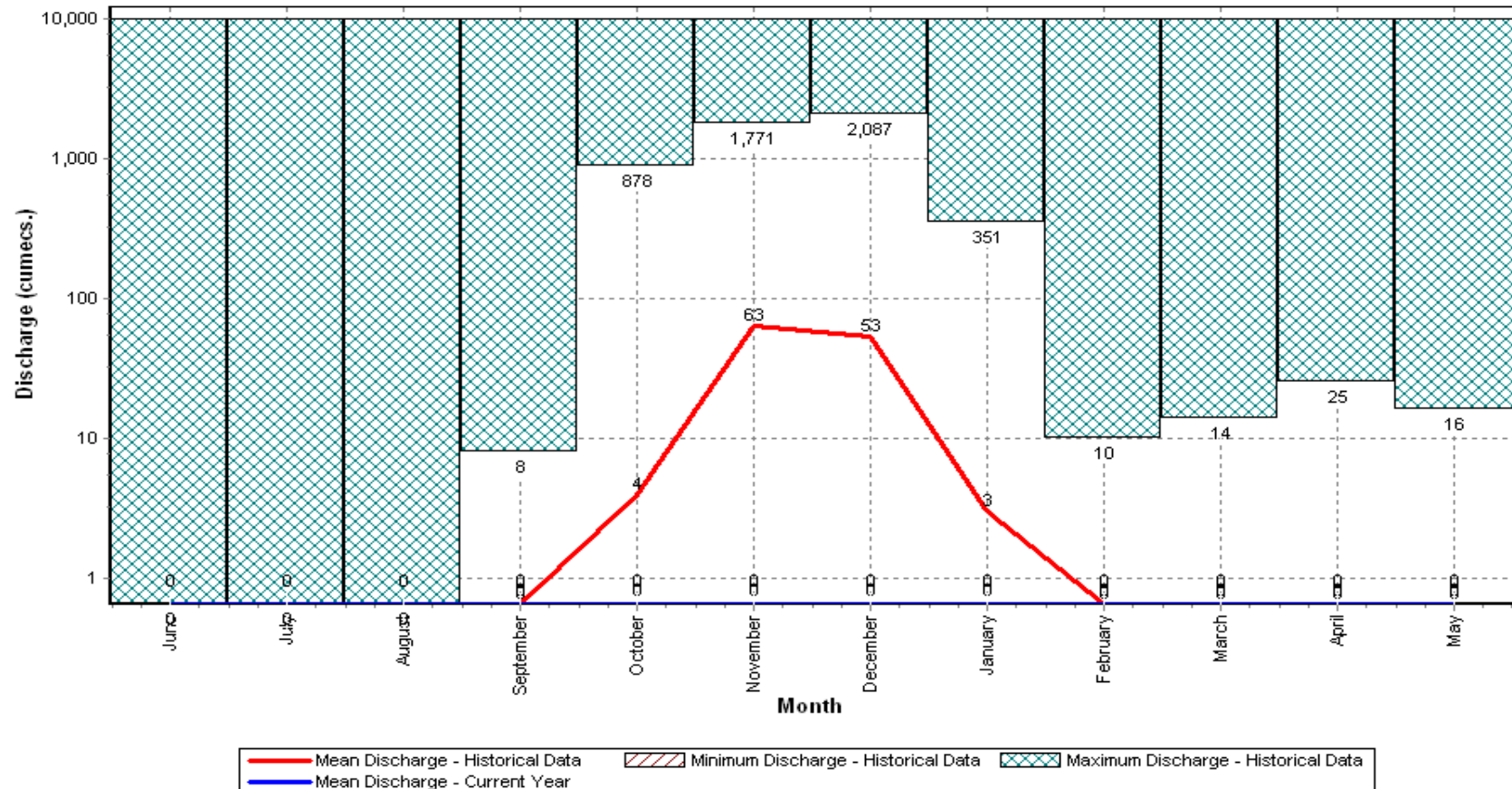
WL:Corresponding Mean Water Level(m.s.l) in m

Note:Missing values ignored while arriving at Annual Runoff

Station Name : Kudalaiyathur (CE000F6)
Local River : Vellar

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017
Data considered : 1990-2017

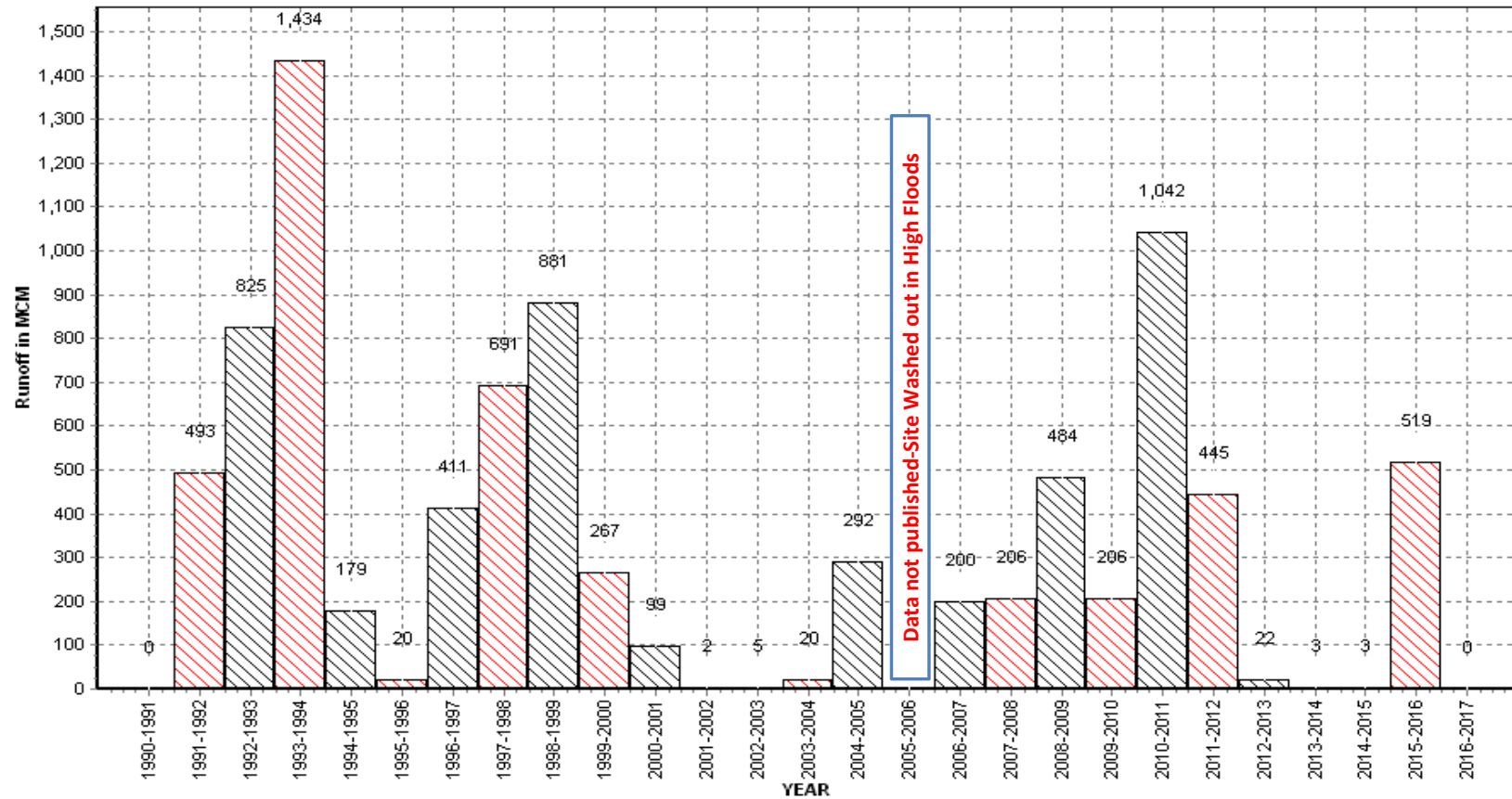
Division : Hydrology Division, Chennai
Sub-Division : PPSP, Chennai



Station Name : Kudalaiyathur (CE000F6)
Local River : Vellar

Annual Runoff Values for the period: 1990 - 2017

Division : Hydrology Division, Chennai
Sub-Division : PPSP, Chennai

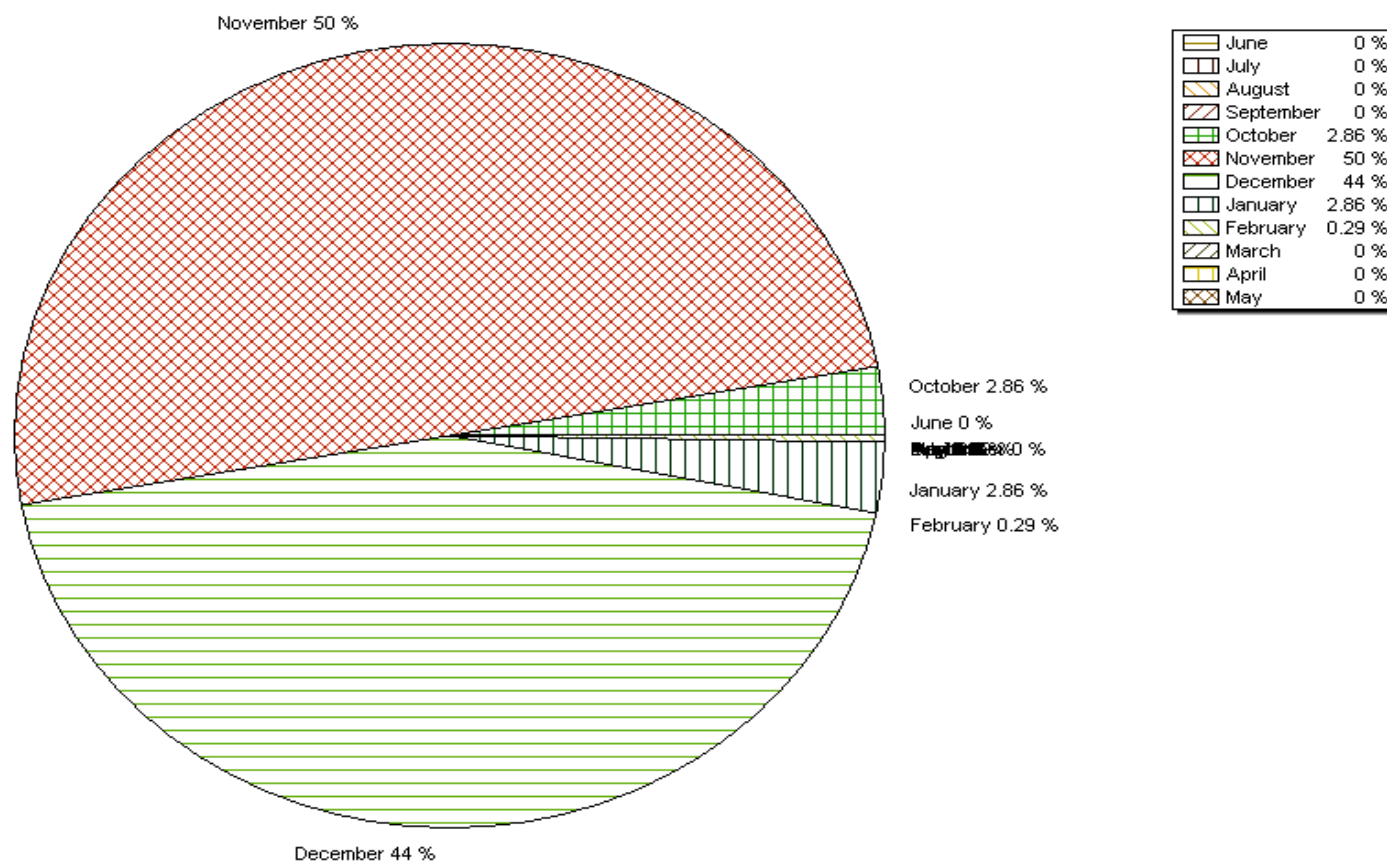


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Kudalaiyathur (CE000F6)
Local River : Vellar

Monthly Average Runoff based on period : 1990-2016

Division : Hydrology Division, Chennai
Sub-Division : PPSP, Chennai

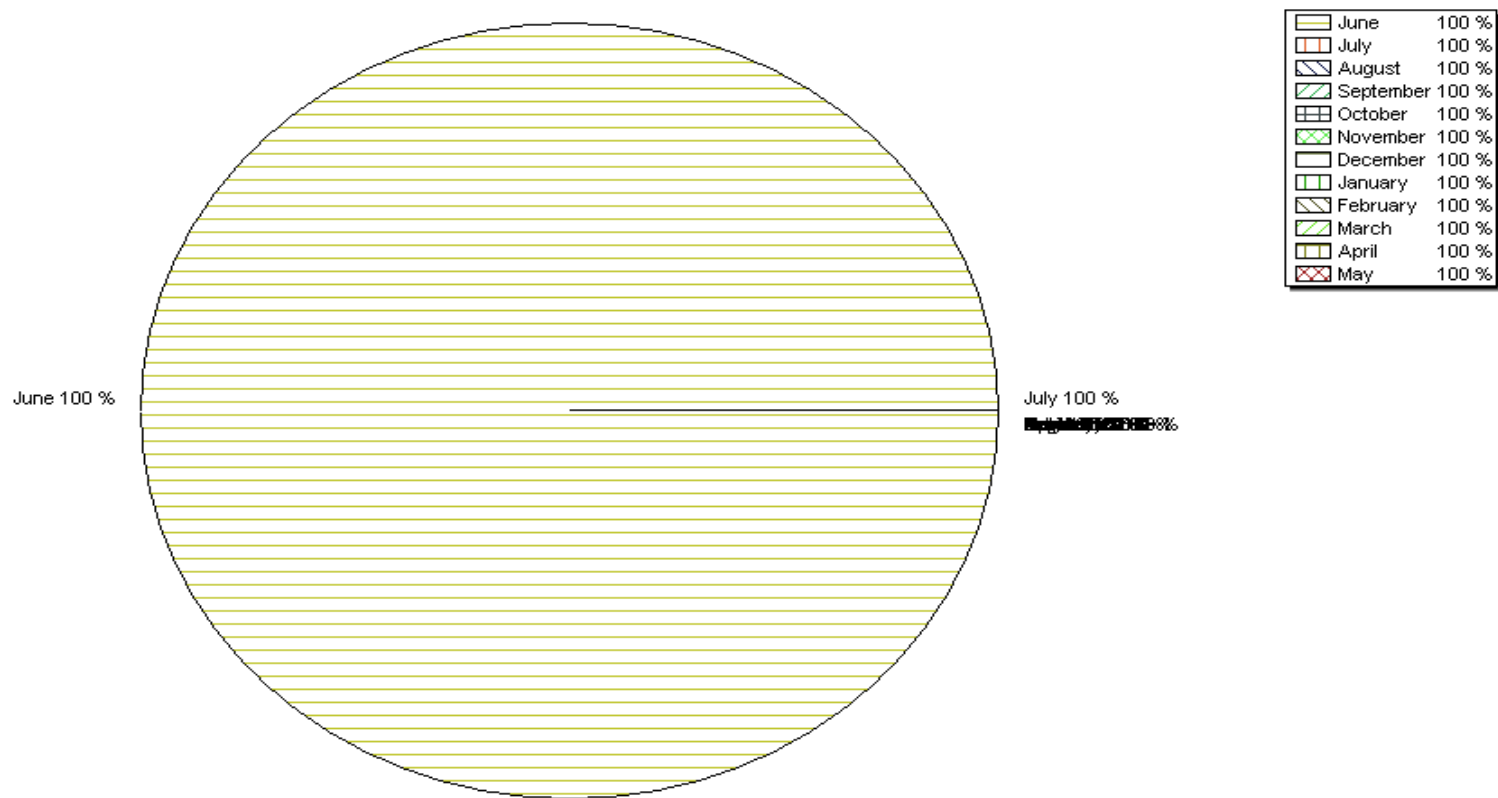


Station Name : Kudalaiyathur (CE000F6)
Local River : Vellar

Monthly Runoff for the Year : 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai

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Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

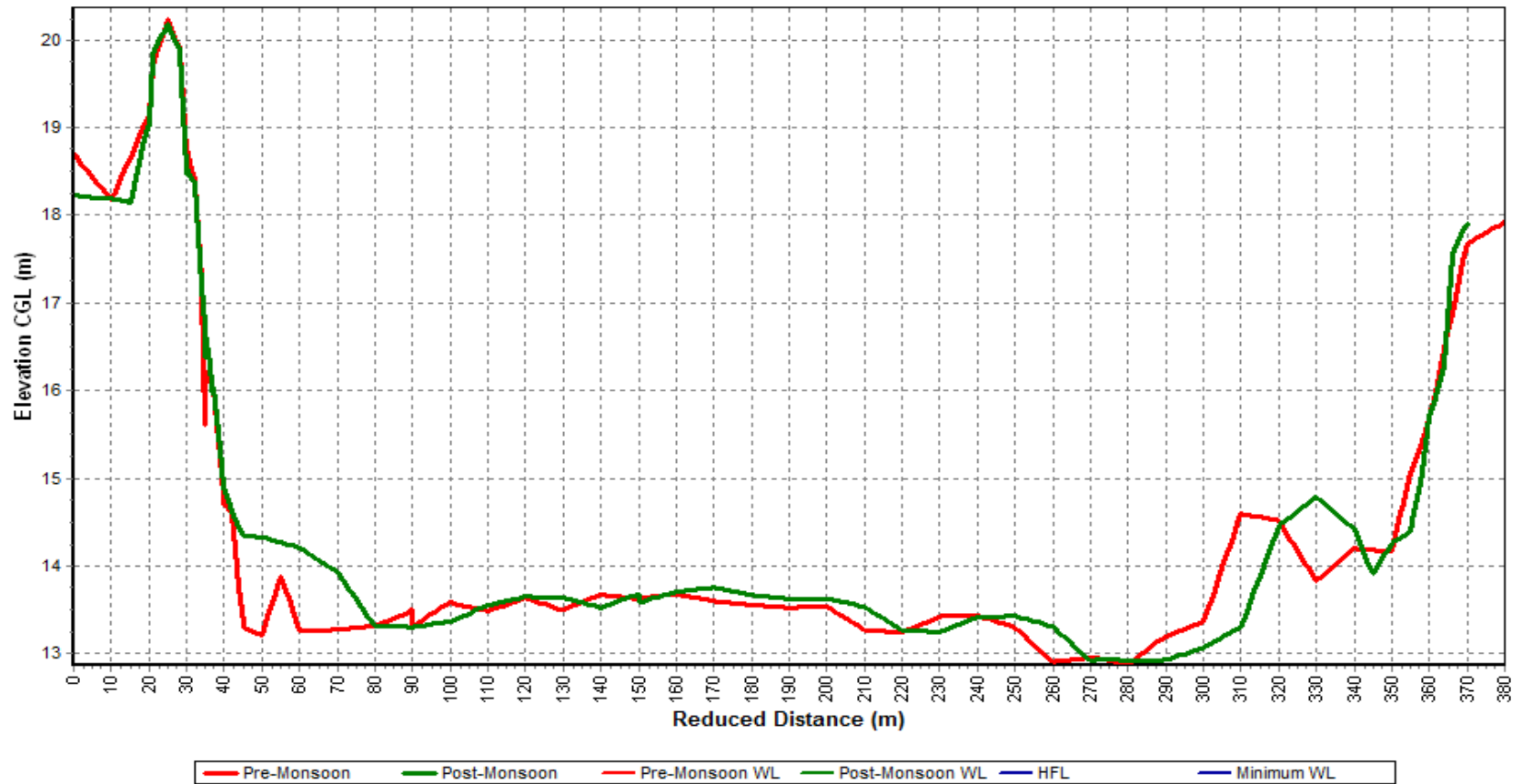
Station Name : Kudalaiyathur (CE000F6)

Local River : Vellar

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

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HISTORY SHEET

Water Year : 2016-2017

Site : PARAMAKUDI

Code : CV000F3

State : Tamil Nadu

District : Ramanathapuram

Basin : EFR South of Cauvery

Independent River : Vaigai

Tributary : -

Sub Tributary : -

Sub-Sub Tributary : -

Local River : Vaigai

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

Drainage Area : 6796 Sq. Km.

Bank : Right

Latitude : 09°33'12"

Longitude : 78°35'11"

Zero of Gauge (m) : 38.000 (m.s.l)

25/10/1971

Opening Date

Closing Date

Gauge : 25/10/1971

Discharge : 03/11/1971

Sediment : 01/03/2013

Water Quality : 05/11/1989

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1972-1973	151.4	39.650	04/11/1972	0.000	Dry Bed	01/06/1972
1973-1974	119.6	39.545	31/12/1973	0.000	Dry Bed	01/06/1973
1974-1975	27.50	38.850	23/10/1974	0.000	Dry Bed	01/06/1974
1975-1976	112.5	39.155	11/10/1975	0.000	Dry Bed	01/06/1975
1976-1977	78.14	38.925	29/11/1976	0.000	Dry Bed	01/06/1976
1977-1978	751.7	40.420	09/11/1977	0.000	Dry Bed	01/06/1977
1978-1979	63.80	39.225	29/12/1978	0.000	Dry Bed	01/06/1978
1979-1980	1950	41.385	20/11/1979	0.000	Dry Bed	01/06/1979
1980-1981	27.90	38.760	24/11/1980	0.000	Dry Bed	01/06/1980
1981-1982	216.0	39.700	01/11/1981	0.000	Dry Bed	01/06/1981
1982-1983	18.10	38.750	10/12/1982	0.000	Dry Bed	01/06/1982
1983-1984	751.2	40.475	08/03/1984	0.000	Dry Bed	01/06/1983
1984-1985	14.80	38.550	03/10/1984	0.000	38.190	03/06/1984
1985-1986	59.60	38.980	24/11/1985	0.000	Dry Bed	01/06/1985
1986-1987	0.000	Dry Bed	01/06/1986	0.000	Dry Bed	01/06/1986
1987-1988	65.94	38.980	07/11/1987	0.000	Dry Bed	01/06/1987
1988-1989	0.714	38.343	26/12/1988	0.000	Dry Bed	01/06/1988
1989-1990	83.78	39.065	10/01/1990	0.000	Dry Bed	01/06/1989
1990-1991	45.52	38.820	20/12/1990	0.000	Dry Bed	01/06/1990

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1991-1992	3.949	38.417	07/01/1992	0.000	Dry Bed	01/06/1991
1992-1993	373.2	39.807	16/11/1992	0.000	Dry Bed	01/06/1992
1993-1994	1229	40.601	11/11/1993	0.000	Dry Bed	01/06/1993
1994-1995	355.4	39.832	05/11/1994	0.000	Dry Bed	01/06/1994
1995-1996	0.000	Dry Bed	01/06/1995	0.000	Dry Bed	01/06/1995
1996-1997	34.61	38.530	24/11/1996	0.000	Dry Bed	01/06/1996
1997-1998	381.2	39.720	26/11/1997	0.000	Dry Bed	01/06/1997
1998-1999	995.0	40.800	12/12/1998	0.000	Dry Bed	01/06/1998
1999-2000	37.40	38.500	20/10/1999	0.000	Dry Bed	01/06/1999
2000-2001	29.98	38.450	20/12/2000	0.000	Dry Bed	01/06/2000
2001-2002	34.17	38.510	30/09/2001	0.000	Dry Bed	01/06/2001
2002-2003	11.14	38.240	16/12/2002	0.000	Dry Bed	01/06/2002
2003-2004	0.000	Dry Bed	01/06/2003	0.000	Dry Bed	01/06/2003
2004-2005	47.24	38.620	02/11/2004	0.000	Dry Bed	01/06/2004
2005-2006	845.5	39.870	25/11/2005	0.000	Dry Bed	01/06/2005
2006-2007	100.5	38.600	24/11/2006	0.000	Dry Bed	01/06/2006
2007-2008	293.6	39.180	21/12/2007	0.000	Dry Bed	01/06/2007
2008-2009	81.48	38.510	24/10/2008	0.000	Dry Bed	01/06/2008
2009-2010	32.14	38.250	02/12/2009	0.000	Dry Bed	01/06/2009
2010-2011	62.89	39.050	25/11/2010	0.000	Dry Bed	01/06/2010
2011-2012	41.71	38.080	30/11/2011	0.000	Dry Bed	01/06/2011
2012-2013	0.000	Dry Bed	01/06/2012	0.000	Dry Bed	01/06/2012
2013-2014	0.000	Dry Bed	01/06/2013	0.000	Dry Bed	01/06/2013
2014-2015	36.66	38.500	26/11/2014	0.000	Dry Bed	01/06/2014
2015-2016	41.55	38.430	07/12/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : PARAMAKUDI (CV000F3)

Division : SR Division, Coimbatore

Local River : Vaigai

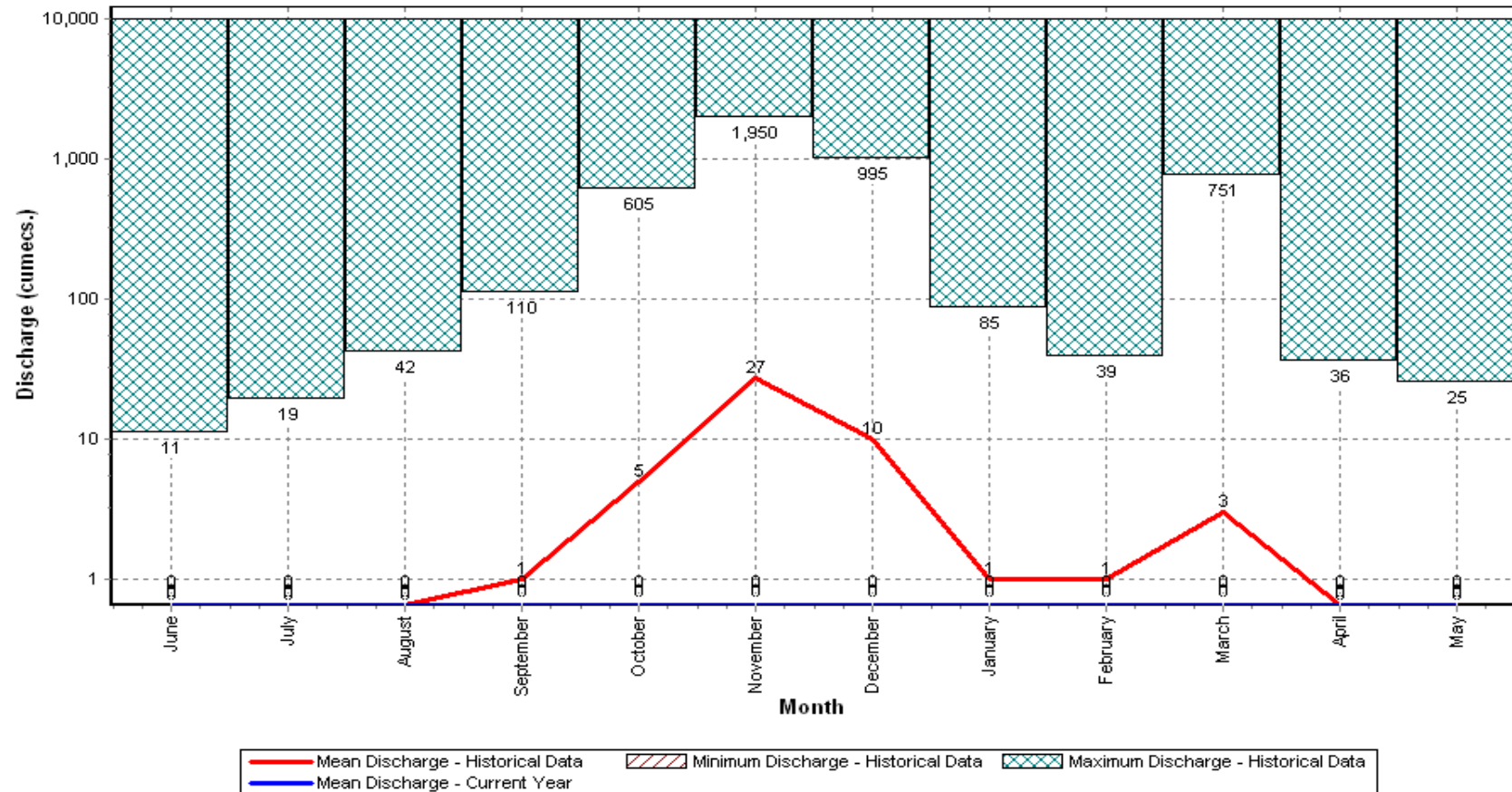
Sub-Division : VSD Madurai

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000		0	DRY BED						0	0.000
12		0.000		0							0	0.000
13		0.000		0							0	0.000
14		0.000		0.000		0.000		0.000		0.000		0.000
15		0.000		0.000		0.000		0.000		0.000		0.000
16		0.000		0.000		0.000		0.000		0.000		0.000
17		0.000		0.000		0.000		0.000		0.000		0.000
18		0.000		0.000		0.000		0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000		0.000		0.000		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000				0.000		0.000		0.000
30		0.000		0.000				0.000		0.000		0.000
31		0.000		0.000				0.000				0.000
Ten-Daily Mean												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
Monthly												
Min.		0.000		0.000		0.000		0.000		0.000		0.000
Max.		0.000		0.000		0.000		0.000		0.000		0.000
Mean		0		0		0		0		0		0

Station Name : PARAMAKUDI (CV000F3)
Local River : Vaigai

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017
Data considered : 1972-2017

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai



Annual Runoff Values for the period: 1972 - 2017

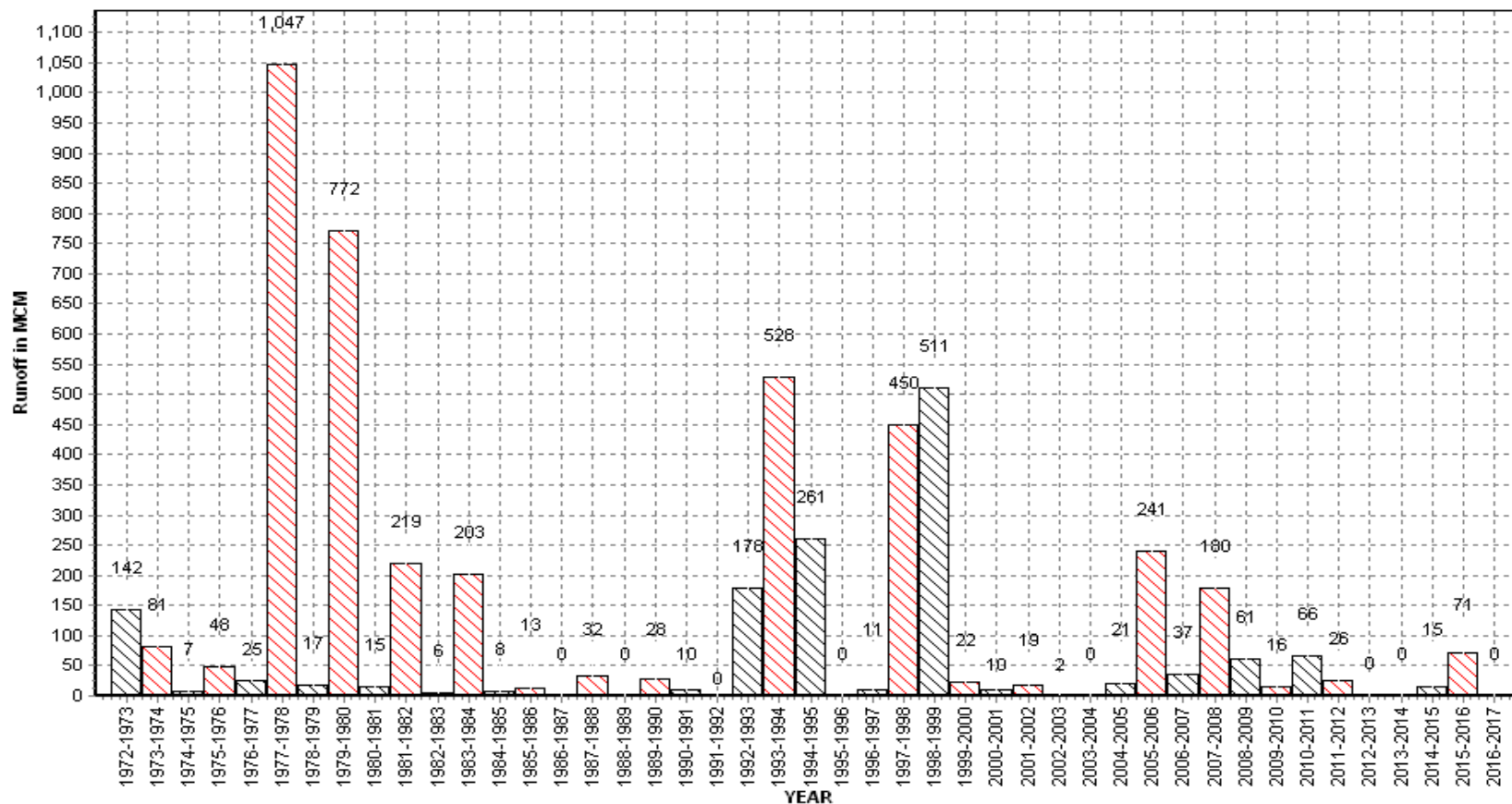
Station Name : PARAMAKUDI (CV000F3)

Local River : Vaigai

Division : SR Division, Coimbatore

Sub-Division : VSD Madurai

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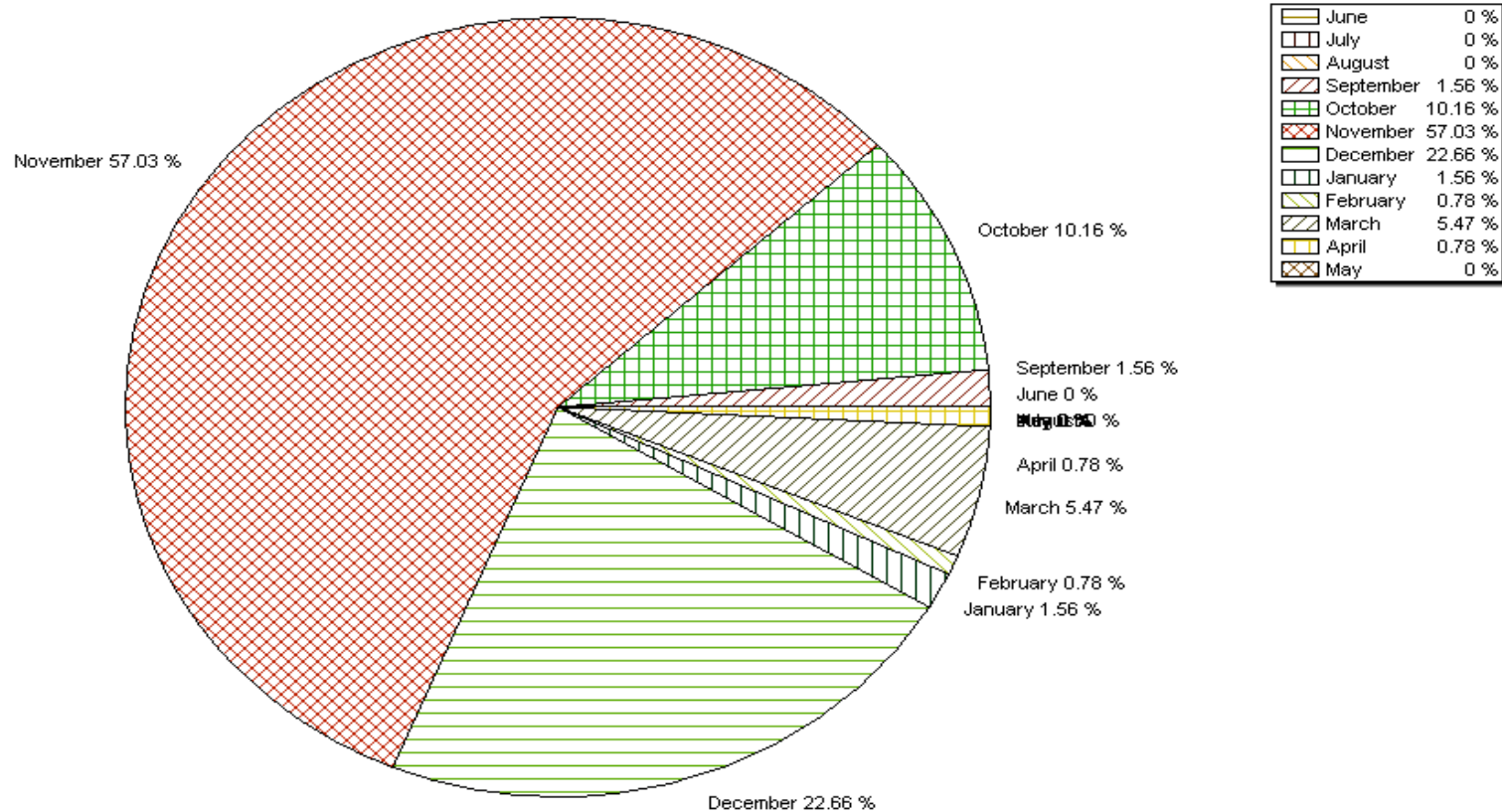


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : PARAMAKUDI (CV000F3)
Local River : Vaigai

Monthly Average Runoff based on period : 1972-2016

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

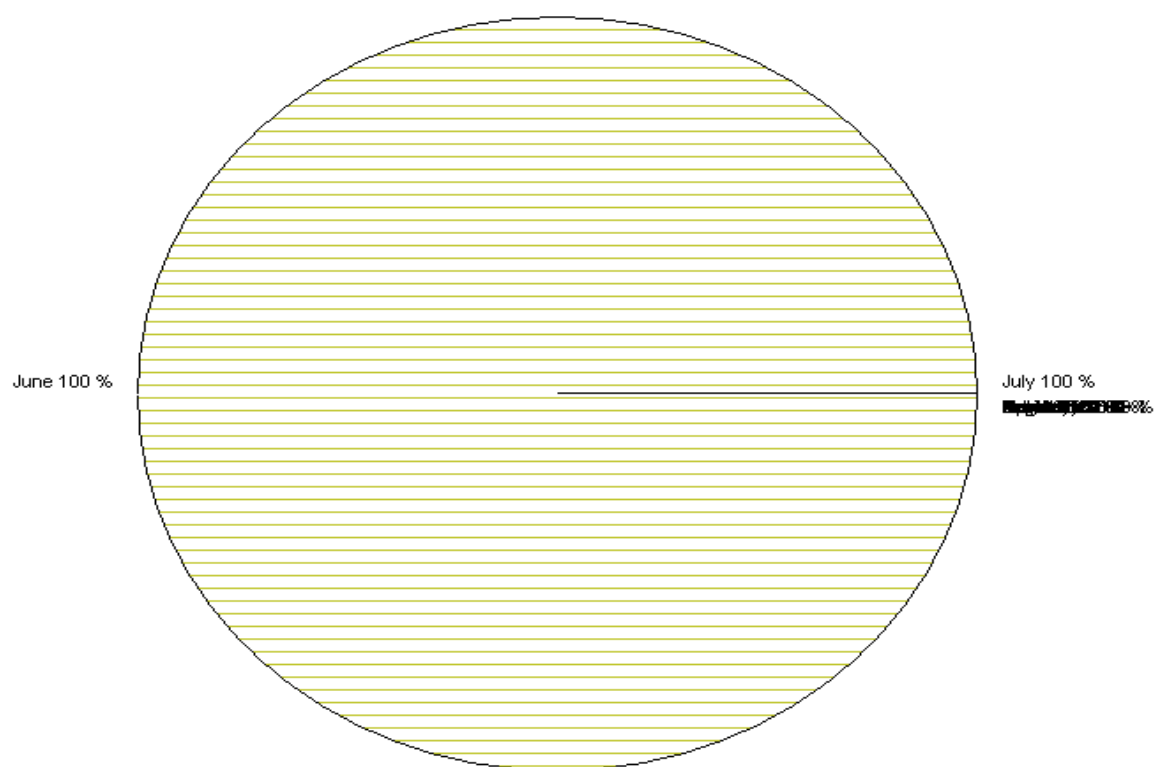


Station Name : PARAMAKUDI (CV000F3)
Local River : Vaigai

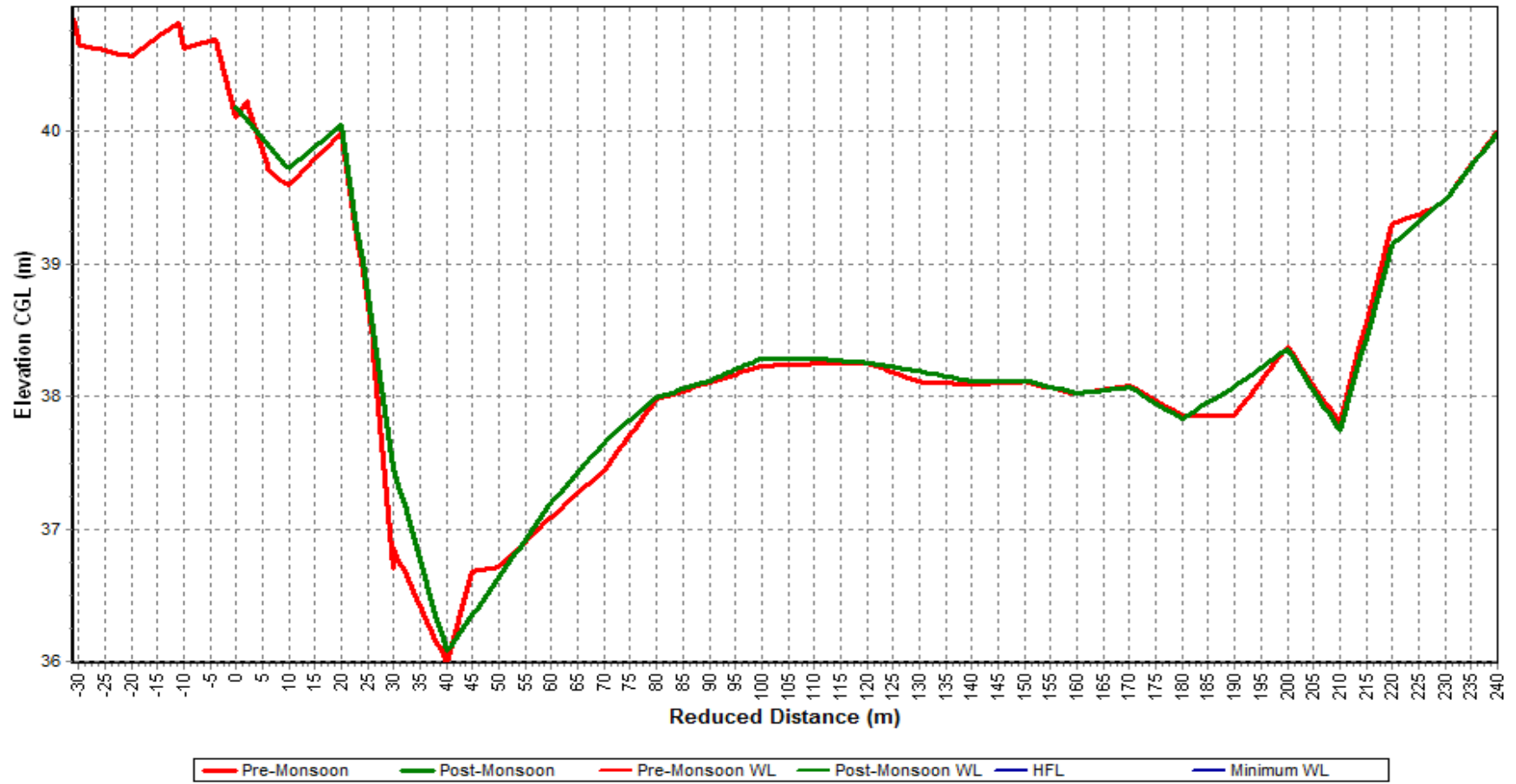
Monthly Runoff for the Year : 2016-17

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

262



June	100 %
July	100 %
August	100 %
September	100 %
October	100 %
November	100 %
December	100 %
January	100 %
February	100 %
March	100 %
April	100 %
May	100 %



HISTORY SHEET

Water Year : 2016-2017

Site : THENI

Code : CVA00D4

State : Tamil Nadu

District : Theni

Basin : EFR South of Cauvery

Independent River : Vaigai

Tributary : Suruliyar

Sub Tributary :

Sub-Sub Tributary :

Local River : Suruliyar

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

Drainage Area : 1200 Sq. Km.

Bank : Right

Latitude : 10°00'04"

Longitude : 77°29'06"

Zero of Gauge (m) : 281.650 (m.s.l)
278.000 (m.s.l)01/06/1978 - 31/05/1982
01/06/1982

Opening Date

Closing Date

Gauge : 01/06/1978

Discharge : 01/06/1978

Sediment : 29/01/1979

Water Quality : 15/07/1978

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1978-1979	310.5	286.275	25/11/1978	0.300	282.570	03/06/1978
1979-1980	503.0	287.950	19/11/1979	0.300	282.460	23/05/1980
1980-1981	148.3	284.450	21/11/1980	0.000	282.100	25/05/1981
1981-1982	166.6	284.420	25/10/1981	0.070	282.250	02/06/1981
1982-1983	74.80	280.200	11/11/1982	0.050	278.675	16/06/1982
1983-1984	466.0	282.425	07/03/1984	0.000	278.640	29/06/1983
1984-1985	102.8	280.460	16/11/1984	0.000	278.625	28/04/1985
1985-1986	150.6	281.170	27/10/1985	0.000	278.620	11/06/1985
1986-1987	75.90	280.245	31/10/1986	0.000	278.590	10/06/1986
1987-1988	155.5	281.125	30/10/1987	0.000	Dry Bed	04/07/1987
1988-1989	65.53	280.130	14/09/1988	0.000	Dry Bed	24/02/1989
1989-1990	203.3	281.500	08/01/1990	0.000	278.540	19/06/1989
1990-1991	256.1	281.620	30/10/1990	0.000	278.580	10/06/1990
1991-1992	64.75	280.094	19/08/1991	0.000	278.761	01/06/1991
1992-1993	660.0	283.537	14/11/1992	0.544	278.837	27/03/1993
1993-1994	271.7	281.719	09/11/1993	0.260	278.760	20/05/1994
1994-1995	200.4	281.342	04/11/1994	0.000	278.620	01/06/1994
1995-1996	100.5	280.455	11/08/1995	0.000	278.660	01/02/1996

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1996-1997	102.5	280.648	14/10/1996	0.000	278.630	03/06/1996
1997-1998	193.2	281.269	25/11/1997	0.000	278.730	08/06/1997
1998-1999	594.0	283.510	11/12/1998	0.000	278.610	01/06/1998
1999-2000	86.00	280.490	23/11/1999	0.000	278.760	01/06/1999
2000-2001	86.72	280.400	23/09/2000	0.000	278.840	01/06/2000
2001-2002	96.72	280.530	27/10/2001	0.000	278.630	01/06/2001
2002-2003	53.46	279.970	06/10/2002	0.000	278.630	01/06/2002
2003-2004	54.34	279.930	19/10/2003	0.000	278.570	01/06/2003
2004-2005	101.5	280.590	02/11/2004	0.000	278.570	01/06/2004
2005-2006	182.9	281.130	04/12/2005	0.000	278.790	02/06/2005
2006-2007	137.7	280.830	22/11/2006	0.000	278.720	01/06/2006
2007-2008	500.5	283.180	25/10/2007	0.000	Dry Bed	22/05/2008
2008-2009	123.7	280.940	21/10/2008	0.000	Dry Bed	01/06/2008
2009-2010	79.69	280.730	10/11/2009	0.000	278.670	05/06/2009
2010-2011	188.7	281.250	23/11/2010	0.000	278.650	22/06/2010
2011-2012	214.7	281.465	27/11/2011	0.000	278.640	01/06/2011
2012-2013	66.79	280.130	22/10/2012	0.000	278.780	02/06/2012
2013-2014	87.35	280.420	06/08/2013	0.000	278.580	01/06/2013
2014-2015	119.8	280.500	27/10/2014	0.000	278.900	01/06/2014
2015-2016	162.1	280.850	19/11/2015	0.000	278.830	09/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : THENI (CVA00D4)

Division : SR Division, Coimbatore

Local River : Suruliyar

Sub-Division : VSD Madurai

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	278.820	0.000	279.170	6.596	278.770	0.000	279.060	3.987	278.690	0.000	278.970	2.485
2	278.740	0.000	279.020	3.799	278.700	0.000	279.220	9.973	278.650	0.000	279.000	2.957
3	278.800	0.000	279.070	4.362 *	278.660	0.000	279.150	6.549	278.840	0.000	279.110	5.658
4	278.720	0.000	279.140	6.196	279.240	8.392	279.370	14.68 *	279.210	9.320	279.060	3.712
5	278.690	0.000	279.160	6.491	278.840	0.000	279.100	5.078 *	279.100	5.216	279.100	5.186
6	278.790	0.000	279.150	5.293	278.820	0.000	278.945	1.429	278.980	2.586	279.120	5.592 *
7	278.790	0.000	279.110	5.331 *	278.680	0.000	278.840	0.000	278.770	0.000	278.950	2.362
8	278.730	0.000	279.120	5.790	278.640	0.000	278.780	0.000	278.650	0.000	278.820	0.000
9	278.790	0.000	279.080	4.424	279.130	5.948	278.750	0.000	278.610	0.000	278.780	0.000
10	278.840	0.000	279.010	3.118 *	278.950	2.047	278.740	0.000	278.590	0.000	278.720	0.000
11	278.820	0.000	278.930	1.890	279.250	10.23	278.690	0.000	278.640	0.000	278.690	0.000
12	278.990	2.757 *	279.000	3.528	279.170	7.165	278.640	0.000	278.640	0.000	278.670	0.000
13	278.840	0.000	278.850	0.000	278.950	2.025	278.630	0.000	278.630	0.000	278.650	0.000
14	278.960	2.296	278.910	1.707	278.970	2.422 *	278.610	0.000	279.060	3.896	278.950	2.113 *
15	278.930	1.831	278.840	0.000	278.970	2.422 *	278.820	0.000	279.110	5.551	279.050	3.577
16	278.940	1.930	278.810	0.000	278.920	1.766	278.690	0.000	278.870	0.000	279.080	4.696
17	278.940	1.926	278.720	0.000	278.840	0.000	278.770	0.000	278.750	0.000	279.130	6.112
18	278.910	1.221	278.680	0.000	279.300	12.05	278.680	0.000	278.690	0.000	279.000	2.957
19	279.010	3.118 *	278.670	0.000	279.355	14.24	278.980	2.741	278.670	0.000	278.990	2.612
20	278.920	1.258	278.650	0.000	279.520	19.74	279.180	7.411	278.690	0.000	278.940	1.938 *
21	278.970	2.422 #	279.180	6.816	279.000	2.947	279.280	11.60	279.210	8.673	279.090	4.787
22	278.920	1.753	278.840	0.000	279.000	3.037	279.200	9.076	279.090	4.935	279.040	3.493
23	278.990	3.438	278.790	0.000	279.010	3.000	279.010	3.173	279.130	5.861 *	279.020	3.188
24	279.030	3.939	278.950	0.000	278.990	2.846	278.830	0.000	279.120	5.433	279.020	3.161
25	278.960	2.190	278.820	0.000	278.860	1.017 *	278.730	0.000	279.060	3.688	279.030	3.294
26	279.020	3.308 *	279.360	14.18	279.070	4.142	278.680	0.000	278.900	1.530	278.990	2.931
27	279.140	6.141	279.220	8.212	279.000	3.060	278.660	0.000	278.800	0.000	279.150	6.419 *
28	279.160	6.452	279.500	19.45	279.040	3.709 *	279.110	5.662	278.760	0.000	279.180	7.603
29	279.160	6.472	278.940	1.969	279.030	3.350	278.800	0.000	278.720	0.000	279.030	3.270
30	279.150	6.261	278.790	0.000	278.970	2.921	278.750	0.000	278.710	0.000	278.980	2.796
31			278.790	0.000	279.040	3.601			279.151	7.781		
Ten-Daily Mean												
I Ten-Daily	278.771	0.000	279.103	5.140	278.843	1.639	278.995	4.170	278.809	1.712	278.963	2.795
II Ten-Daily	278.926	1.634	278.806	0.712	279.125	7.205	278.769	1.015	278.775	0.945	278.915	2.401
III Ten-Daily	279.050	4.238	279.016	4.602	279.001	3.057	278.905	2.952	278.968	3.445	279.053	4.094
Monthly												
Min.	278.690	0.000	278.650	0.000	278.640	0.000	278.610	0.000	278.590	0.000	278.650	0.000
Max.	279.160	6.472	279.500	19.45	279.520	19.74	279.370	14.68	279.210	9.320	279.180	7.603
Mean	278.916	1.957	278.976	3.521	278.990	3.938	278.890	2.712	278.855	2.08	278.977	3.097

Annual Runoff in MCM = 96 Annual Runoff in mm = 80

Peak Observed Discharge = 20.49 cumecs on 15/03/2017 Corres. Water Level :279.55 m

Lowest Observed Discharge = 0.000 cumecs on 01/06/2016 Corres. Water Level :278.82 m

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2016 - 2017

Station Name : THENI (CVA00D4)

Division : SR Division, Coimbatore

Local River : Suruliyar

Sub-Division : VSD Madurai

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	278.920	1.737	279.090	4.608	278.950	2.442	279.020	2.713	279.010	2.945	279.150	5.698
2	278.840	0.000	279.090	4.530 *	278.950	2.445	279.090	4.245	279.030	3.398 *	279.070	3.840
3	278.980	2.744	279.020	3.059	278.840	0.000	278.980	2.641	278.960	2.549	279.030	3.365
4	278.980	2.596 *	279.090	4.648	278.830	0.000	278.960	2.538	278.980	2.782	279.030	3.351
5	279.010	3.136	279.100	4.766	278.910	0.000	278.920	1.795 *	279.030	3.384	279.060	3.745
6	279.100	5.014	279.090	4.666	278.840	0.000	278.840	0.000	279.030	3.372	279.080	3.908
7	279.030	3.280	279.070	4.132 *	278.890	1.354	278.910	1.619	278.830	0.000	279.070	4.132 *
8	279.020	3.164	279.040	3.573 *	278.900	1.566	278.920	1.797	278.780	0.000	279.020	3.256
9	279.070	3.764	279.040	3.181	278.840	0.000	278.960	2.619	278.700	0.000	279.040	3.045
10	279.100	4.997	279.060	3.734	279.060	3.608	279.000	2.900	278.730	0.000	279.020	3.227 *
11	279.080	4.328 *	279.050	3.559	279.030	3.151	279.060	3.702	278.740	0.000	279.060	3.653
12	279.060	3.667	279.040	3.429	279.050	3.754 *	279.000	2.901 *	278.740	0.000	279.140	5.419
13	279.050	3.754 *	279.040	3.411	279.110	4.994	278.980	2.647	278.710	0.000	279.170	5.938
14	279.030	3.271	279.040	3.573 *	279.120	5.222	278.960	2.533	278.690	0.000	279.180	6.594 *
15	279.160	7.124	279.050	3.754 *	279.130	5.386	279.550	20.49	278.640	0.000	279.160	5.939
16	279.140	6.456	279.030	3.256	279.120	5.224	279.100	4.356	278.620	0.000	279.130	5.469
17	279.090	4.838	279.020	3.163	279.100	4.885	278.840	0.000	278.610	0.000	279.070	3.728
18	279.110	4.950 *	279.080	4.646	279.060	3.690	278.810	0.000	278.600	0.000	279.020	3.260
19	279.120	5.757	279.050	3.312	279.100	4.737 *	278.770	0.000	278.590	0.000	279.050	4.305
20	279.130	5.919	279.060	3.643	279.100	4.856	278.790	0.000	278.580	0.000	279.020	3.280
21	279.110	5.554	279.050	3.377	279.120	5.240	278.770	0.000	278.570	0.000	279.010	3.062 *
22	279.120	5.859	279.110	4.950 *	279.130	5.369	278.990	2.764	278.570	0.000	279.000	3.059
23	279.100	5.489	279.020	3.032	279.110	5.079	279.150	5.702	278.770	0.000	278.970	2.648
24	279.100	5.244	278.970	2.605	279.080	4.328 *	279.060	3.706	278.820	0.000	278.970	2.633
25	279.080	4.328 *	278.920	1.795	279.080	4.102	279.090	4.374	278.830	0.000	278.960	2.358
26	279.080	4.590	278.960	2.309 *	279.080	4.328 *	279.100	4.737 *	279.010	3.182	278.950	2.276
27	279.090	4.822	278.950	2.461	279.090	4.235	279.100	4.347	279.040	3.471	278.940	2.190
28	279.110	5.471	279.080	3.805	279.080	4.098	279.080	4.126	278.910	1.619	278.880	1.354 *
29	279.120	5.630	279.000	2.901 *			279.070	3.867	278.960	2.580	278.880	1.221
30	279.100	5.402	278.980	2.657			279.090	4.275	279.080	4.328 *	278.820	0.000
31	279.080	4.644	278.900	1.430			279.040	3.395			278.800	0.000
Ten-Daily Mean												
I Ten-Daily	279.005	3.043	279.069	4.090	278.901	1.142	278.960	2.287	278.908	1.843	279.057	3.757
II Ten-Daily	279.097	5.007	279.046	3.575	279.092	4.590	278.986	3.663	278.652	0.000	279.100	4.759
III Ten-Daily	279.099	5.185	278.995	2.848	279.096	4.597	279.049	3.754	278.856	1.518	278.925	1.891
Monthly												
Min.	278.840	0.000	278.900	1.430	278.830	0.000	278.770	0.000	278.570	0.000	278.800	0.000
Max.	279.160	7.124	279.110	4.950	279.130	5.386	279.550	20.49	279.080	4.328	279.180	6.594
Mean	279.068	4.436	279.035	3.483	279.025	3.36	279.000	3.251	278.805	1.12	279.024	3.418

Peak Computed Discharge = 14.68 cumecs on 04/09/2016

Corres. Water Level :279.37 m

Lowest Computed Discharge = 1.017 cumecs on 25/08/2016

Corres. Water Level :278.86 m

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

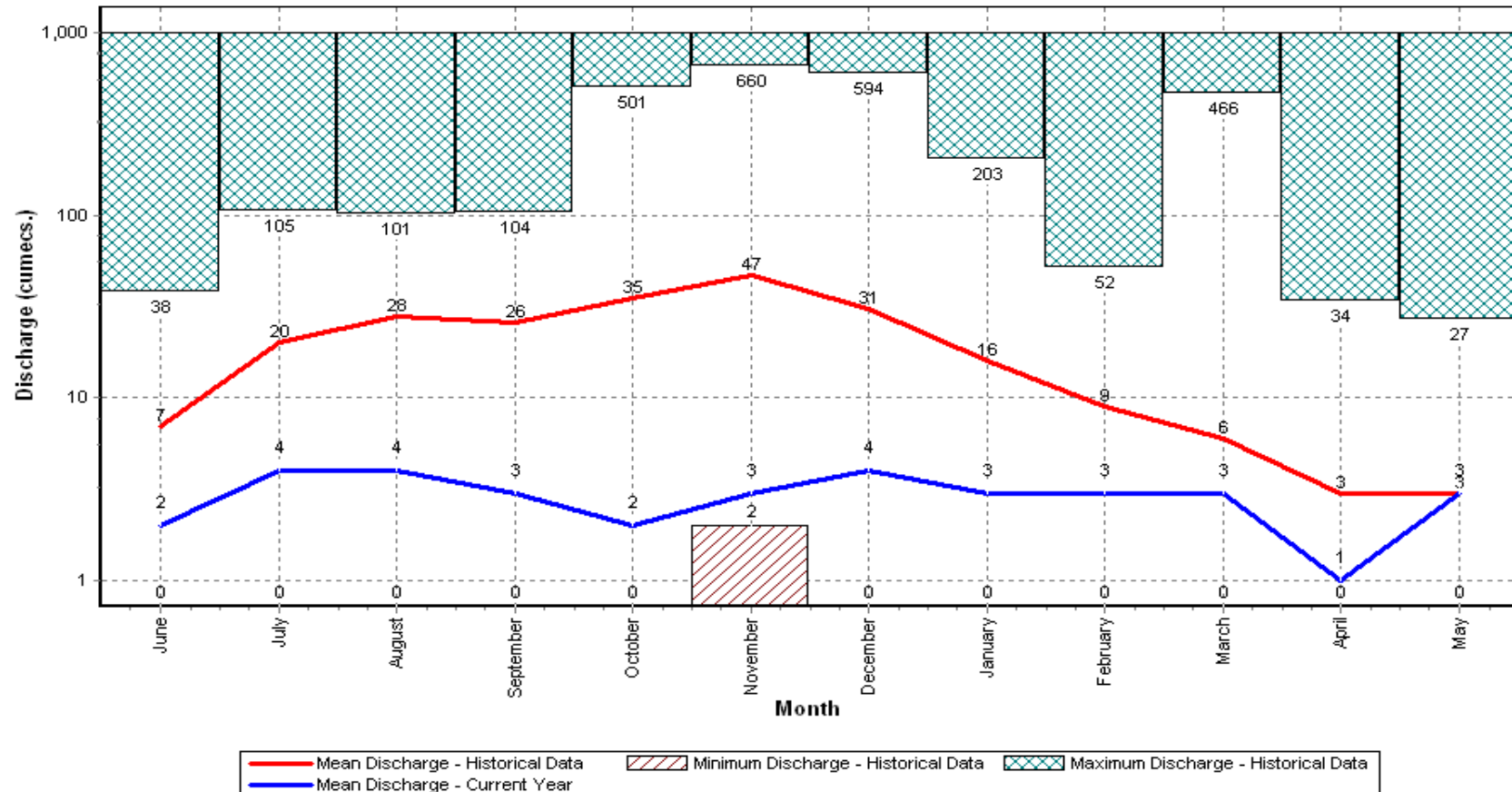
#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Station Name : THENI (CVA00D4)
Local River : Suruliyar

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017 Data considered : 1978-2017

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai



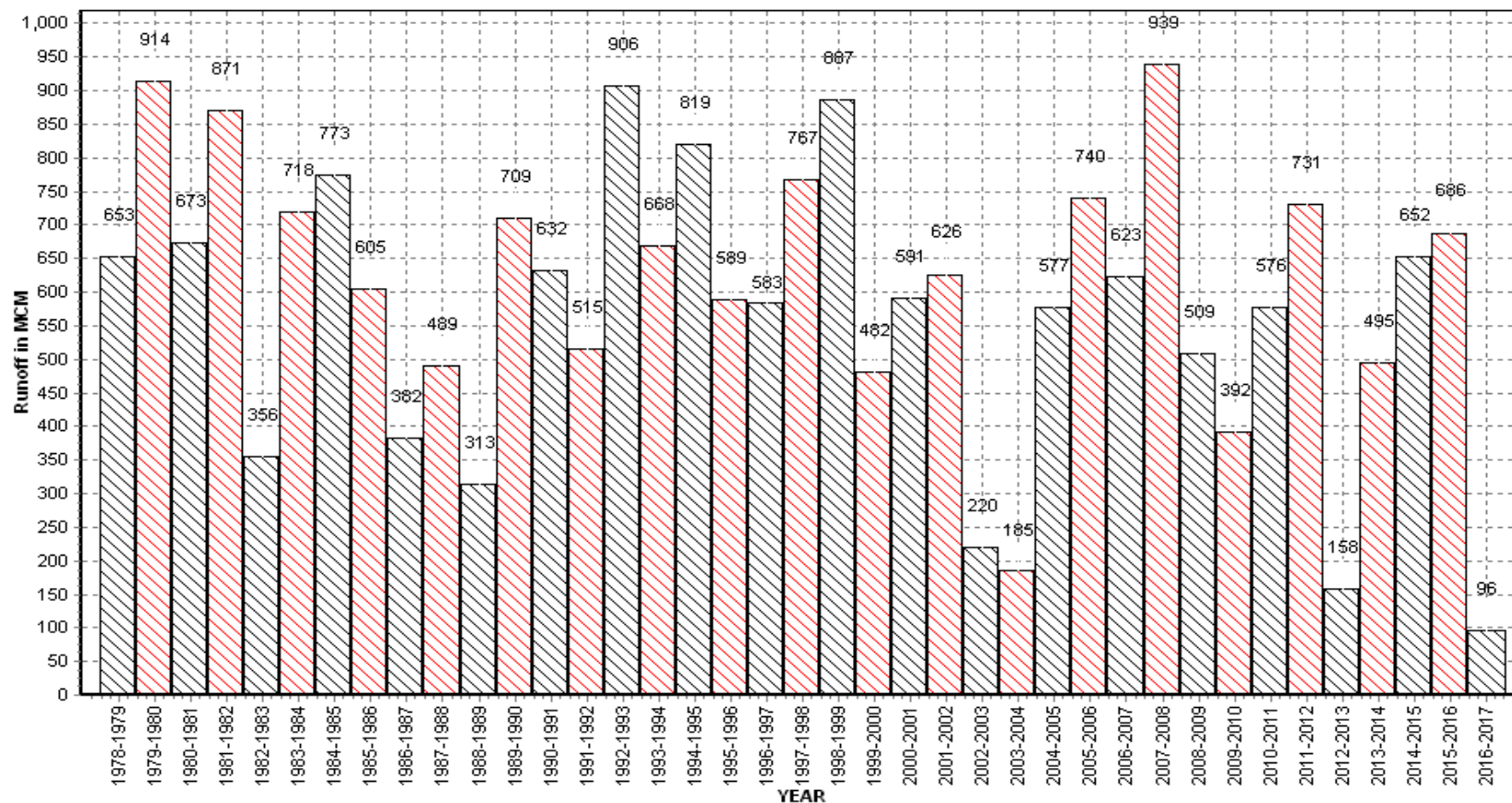
Annual Runoff Values for the period: 1978 - 2017

Station Name : THENI (CVA00D4)

Local River : Suruliyar

Division : SR Division, Coimbatore

Sub-Division : VSD Madurai

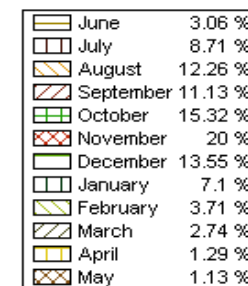
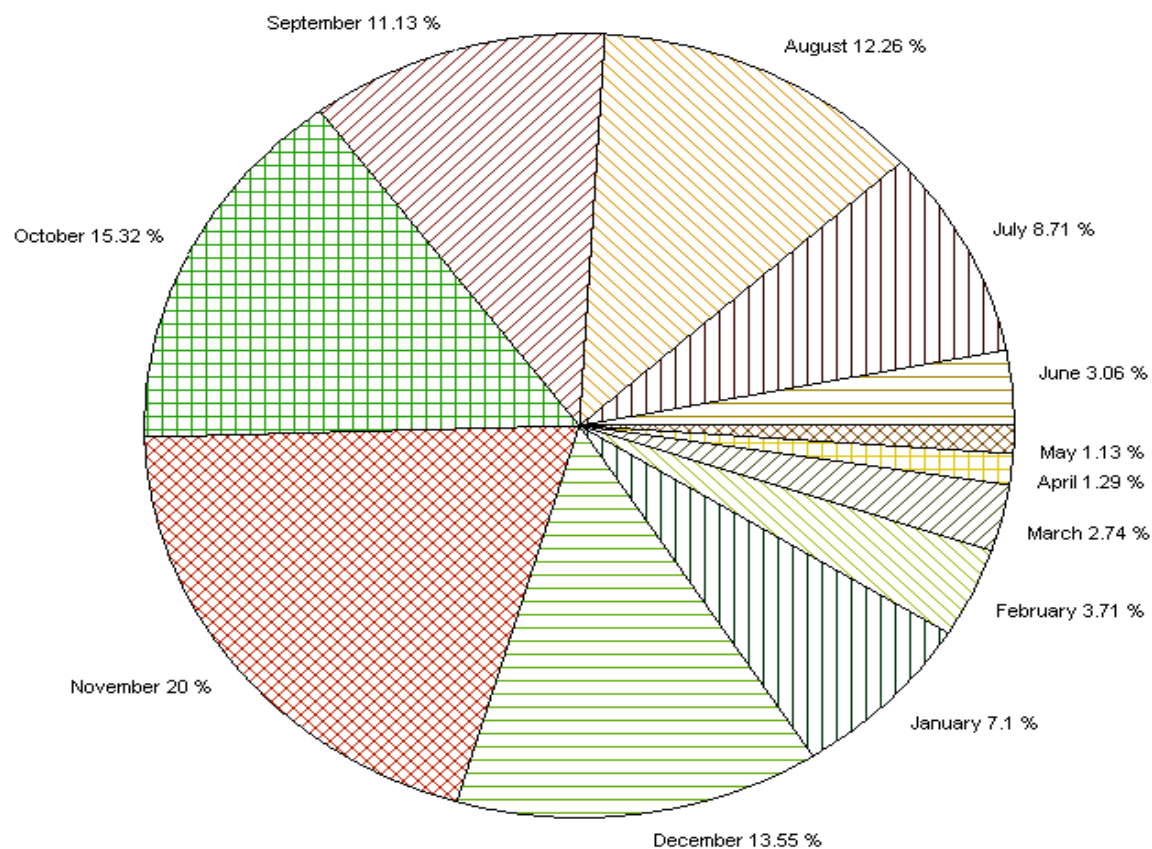


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : THENI (CVA00D4)
Local River : Suruliyar

Monthly Average Runoff based on period : 1978-2016

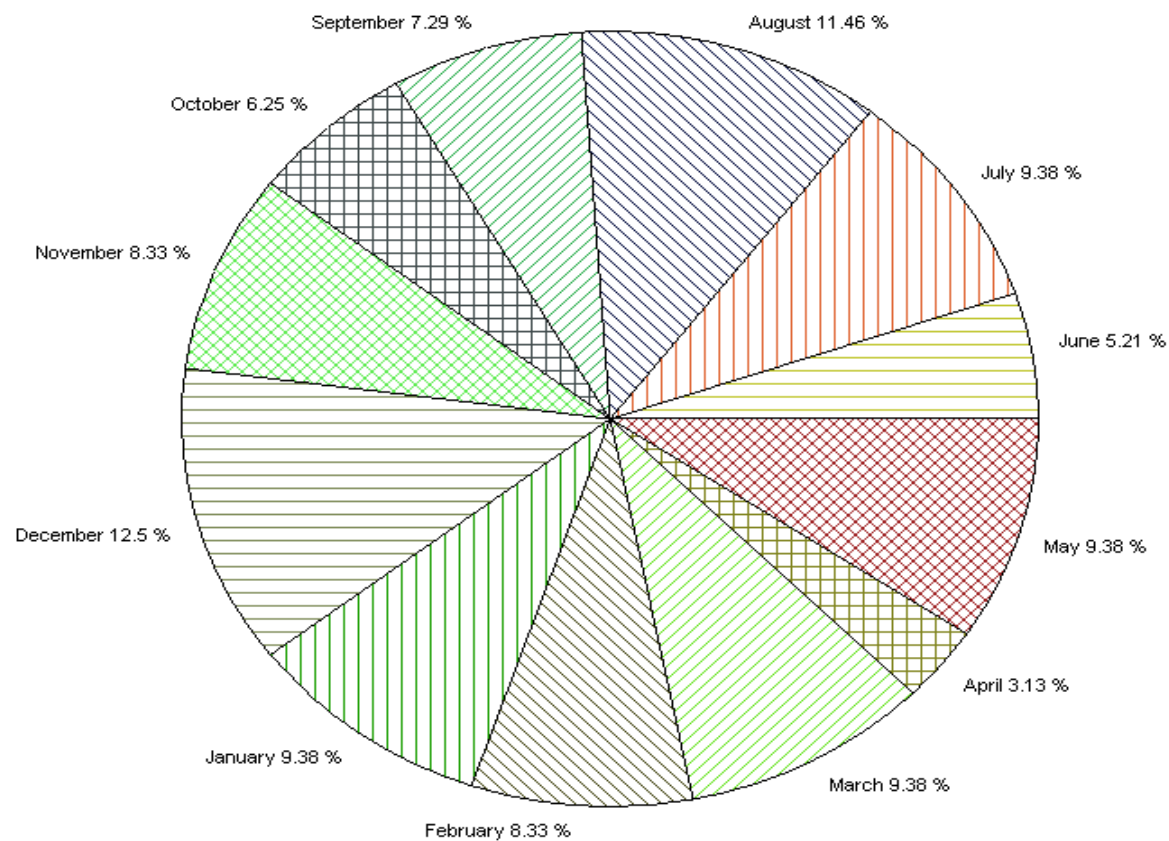
Division : SR Division, Coimbatore
Sub-Division : VSD Madurai



Station Name : THENI (CVA00D4)
Local River : Suruliyar

Monthly Runoff for the Year : 2016-2017

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai



June	5.21 %
July	9.38 %
August	11.46 %
September	7.29 %
October	6.25 %
November	8.33 %
December	12.5 %
January	9.38 %
February	8.33 %
March	9.38 %
April	3.13 %
May	9.38 %

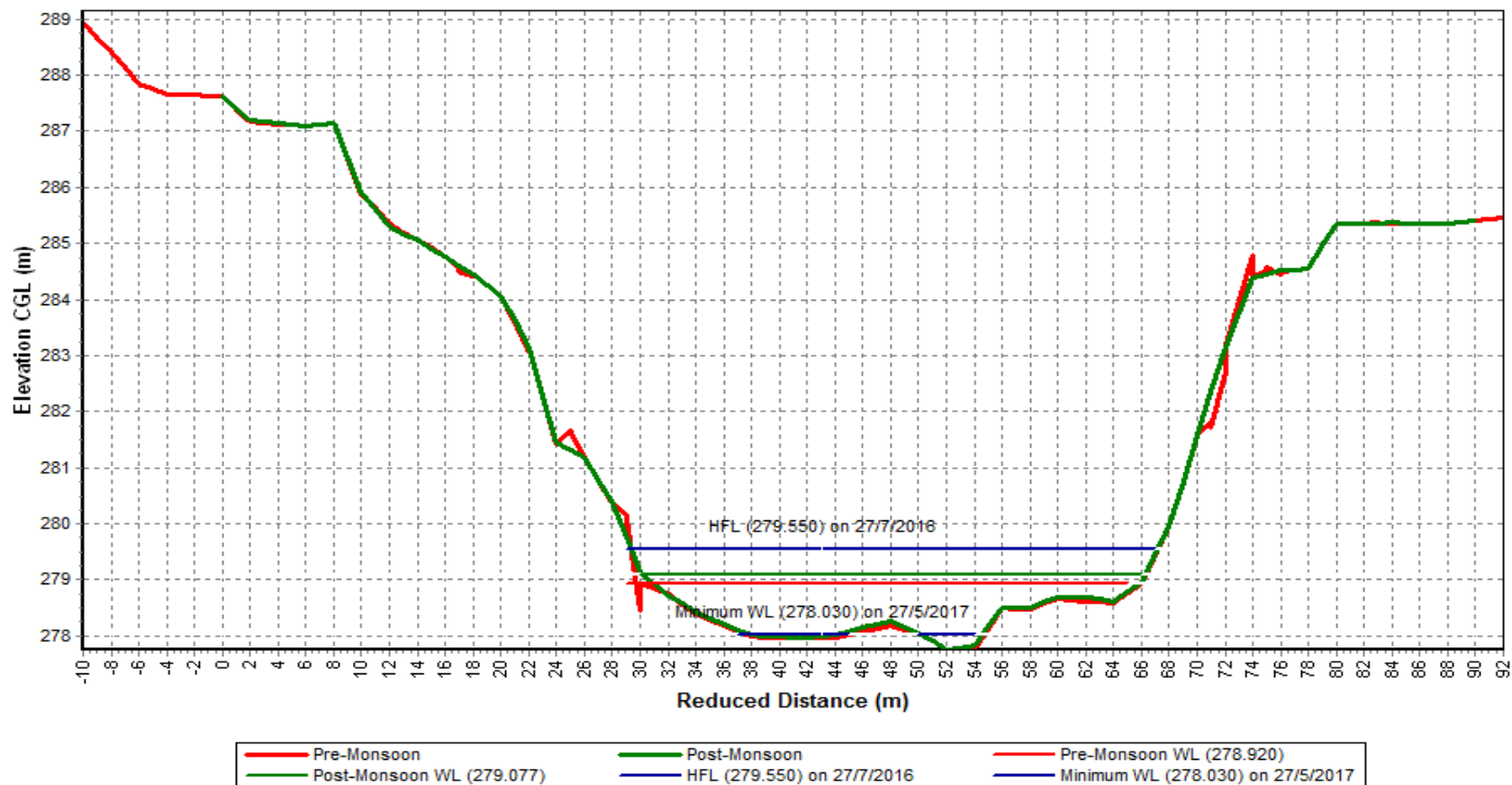
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : THENI (CVA00D4)

Local River : Suruliyar

Division : SR Division, Coimbatore

Sub-Division : VSD Madurai



Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2016-2017

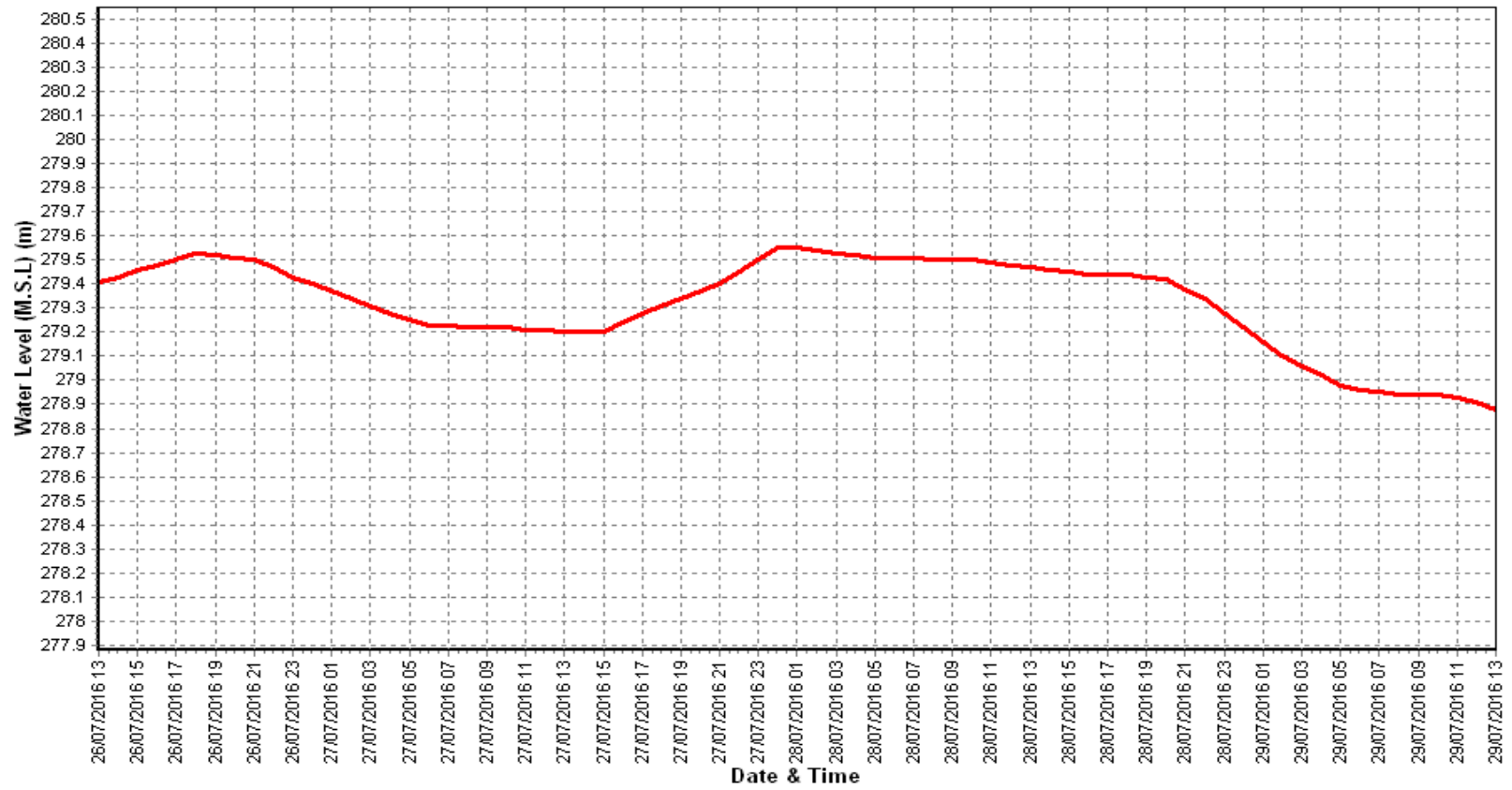
Station Name : THENI (CVA00D4)

Local River : Suruliyar

Division : SR Division, Coimbatore

Sub-Division : VSD Madurai

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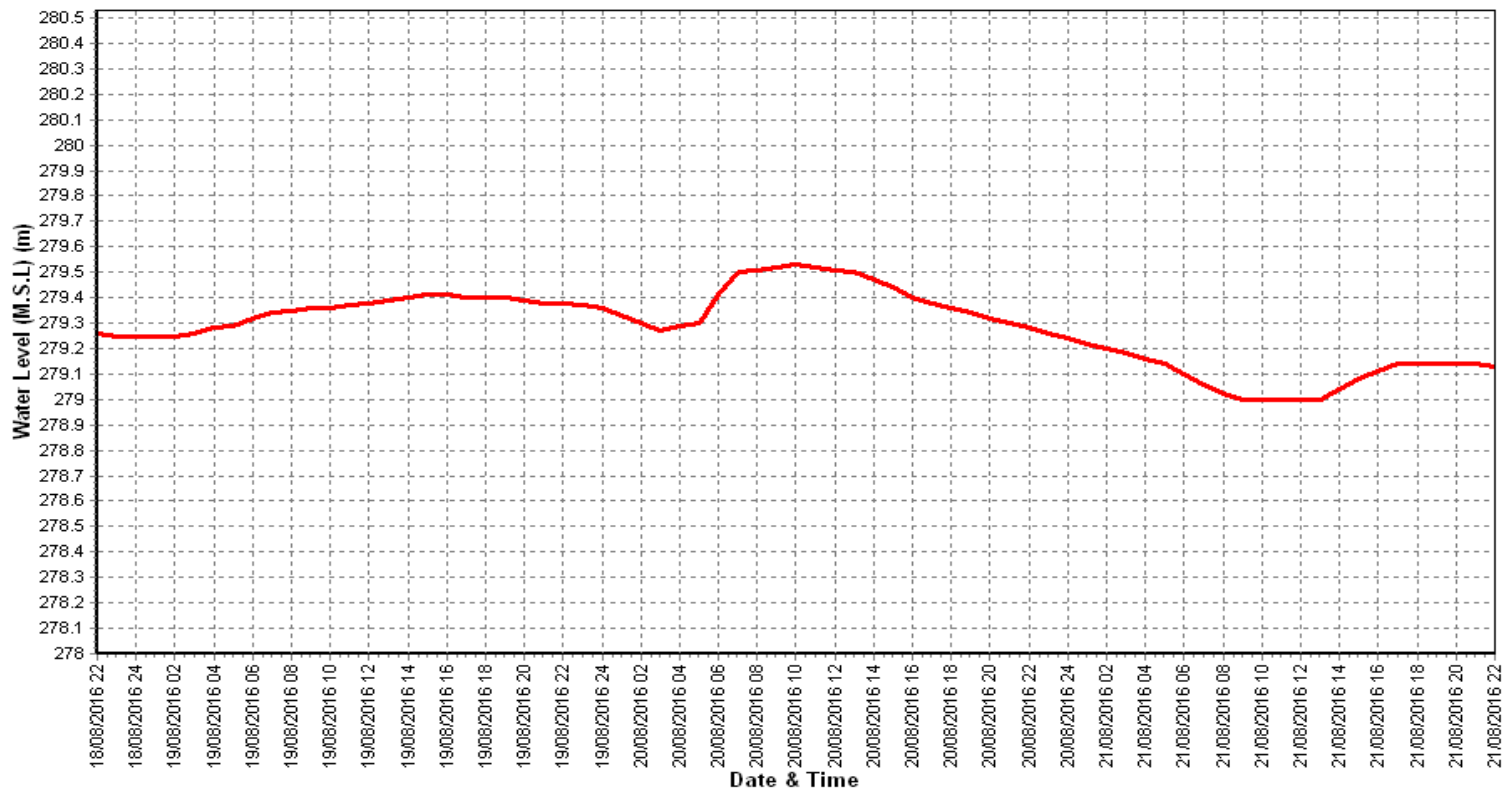
Time Span: 72 Hrs

Station Name : THENI (CVA00D4)
Local River : Suruliyar

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2016-2017

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

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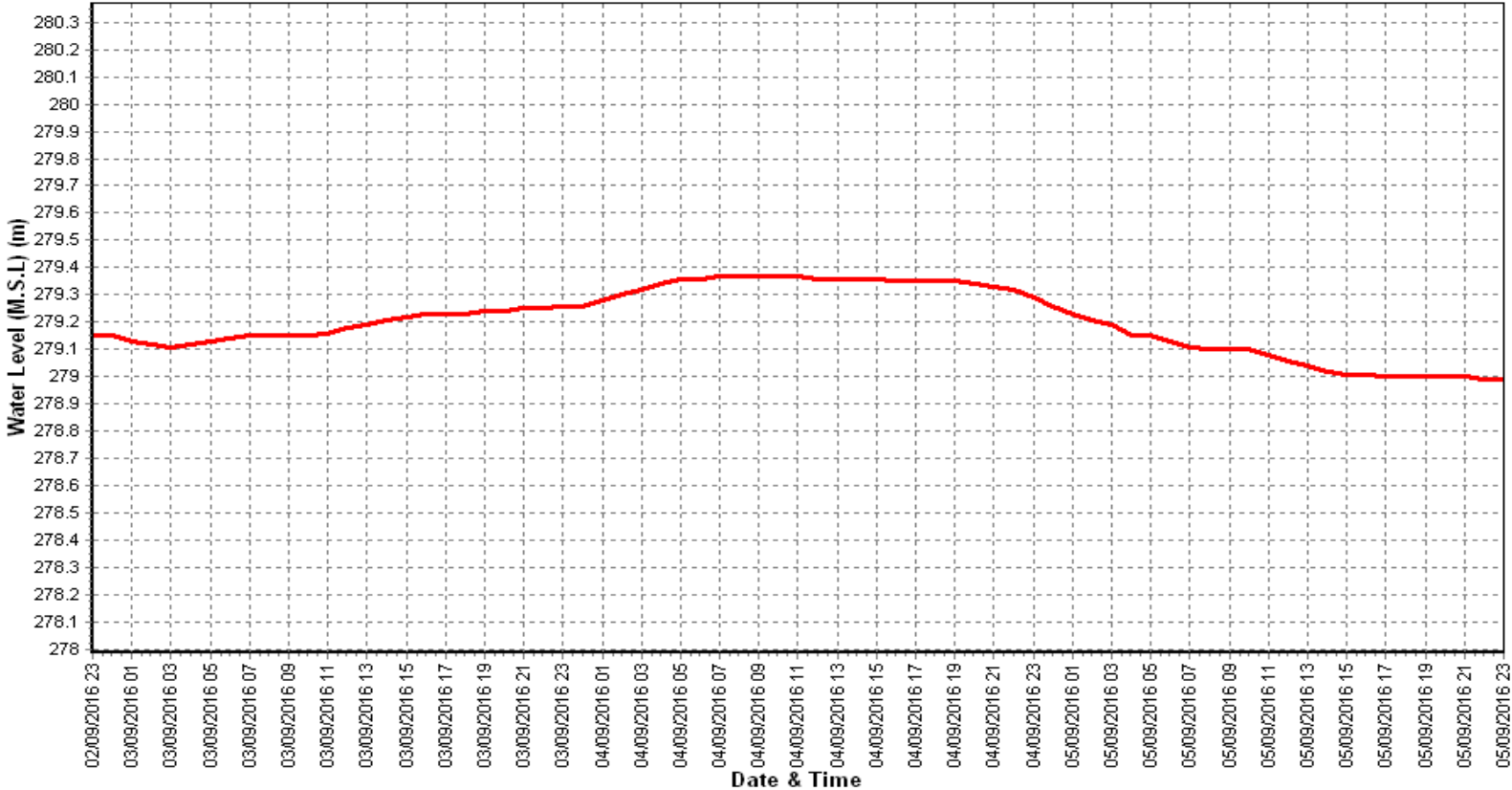


Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2016-2017

Station Name : THENI (CVA00D4)
Local River : Suruliyar

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

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HISTORY SHEET

Water Year : 2016-2017

Site : AMBASAMUDRAM

Code : CV000U2

State : Tamil Nadu

District : Theni

Basin : EFR South of Cauvery

Independent River : Vaigai

Tributary : -

Sub Tributary : -

Sub-Sub Tributary : -

Local River : Vaigai

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

Drainage Area : 850 Sq. Km.

Bank : Left

Latitude : 09°55'32"

Longitude : 77°30'42"

Zero of Gauge (m) : 296.500 (m.s.l)

01/08/1998

Opening Date

Closing Date

Gauge : 01/08/1998

Discharge : 05/01/1999

Sediment : 09/10/2002

Water Quality : 01/08/1999

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

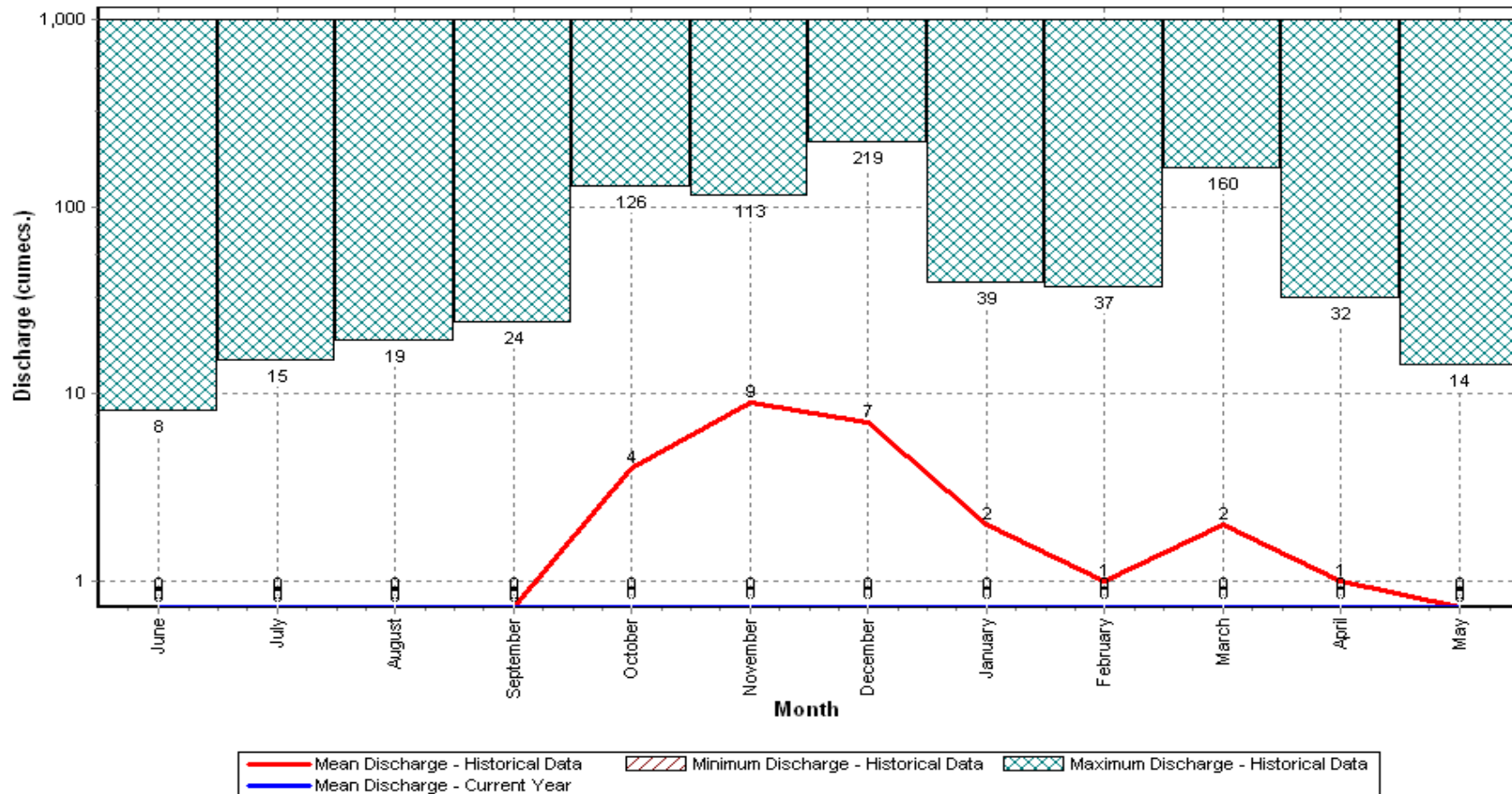
Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1999-2000	44.61	298.250	24/11/1999	0.000	Dry Bed	01/06/1999
2000-2001	38.89	298.150	02/01/2001	0.000	Dry Bed	01/06/2000
2001-2002	35.60	298.220	15/11/2001	0.000	Dry Bed	01/06/2001
2002-2003	24.77	297.860	08/11/2002	0.000	Dry Bed	01/06/2002
2003-2004	18.60	297.690	30/11/2003	0.000	Dry Bed	01/06/2003
2004-2005	43.98	297.950	14/11/2004	0.000	Dry Bed	01/06/2004
2005-2006	219.1	298.670	12/12/2005	0.000	Dry Bed	03/06/2005
2006-2007	85.44	298.115	22/11/2006	0.000	Dry Bed	01/06/2006
2007-2008	160.0	298.775	21/03/2008	0.000	Dry Bed	01/06/2007
2008-2009	107.8	298.170	21/10/2008	0.000	Dry Bed	01/06/2008
2009-2010	74.00	298.900	08/11/2009	0.000	Dry Bed	01/06/2009
2010-2011	45.01	297.320	03/12/2010	0.000	Dry Bed	01/06/2010
2011-2012	113.1	297.950	27/11/2011	0.000	Dry Bed	01/06/2011
2012-2013	12.35	296.980	23/10/2012	0.000	Dry Bed	01/06/2012
2013-2014	4.522	296.895	14/12/2013	0.000	Dry Bed	01/06/2013
2014-2015	27.22	297.380	23/10/2014	0.000	Dry Bed	01/06/2014
2015-2016	56.95	297.325	03/12/2015	0.000	Dry Bed	01/06/2015

Station Name : AMBASAMUDRAM (CV000U2)
Local River : Vaigai

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017

Data considered : 1999-2017

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai



Annual Runoff Values for the period: 1999 - 2017

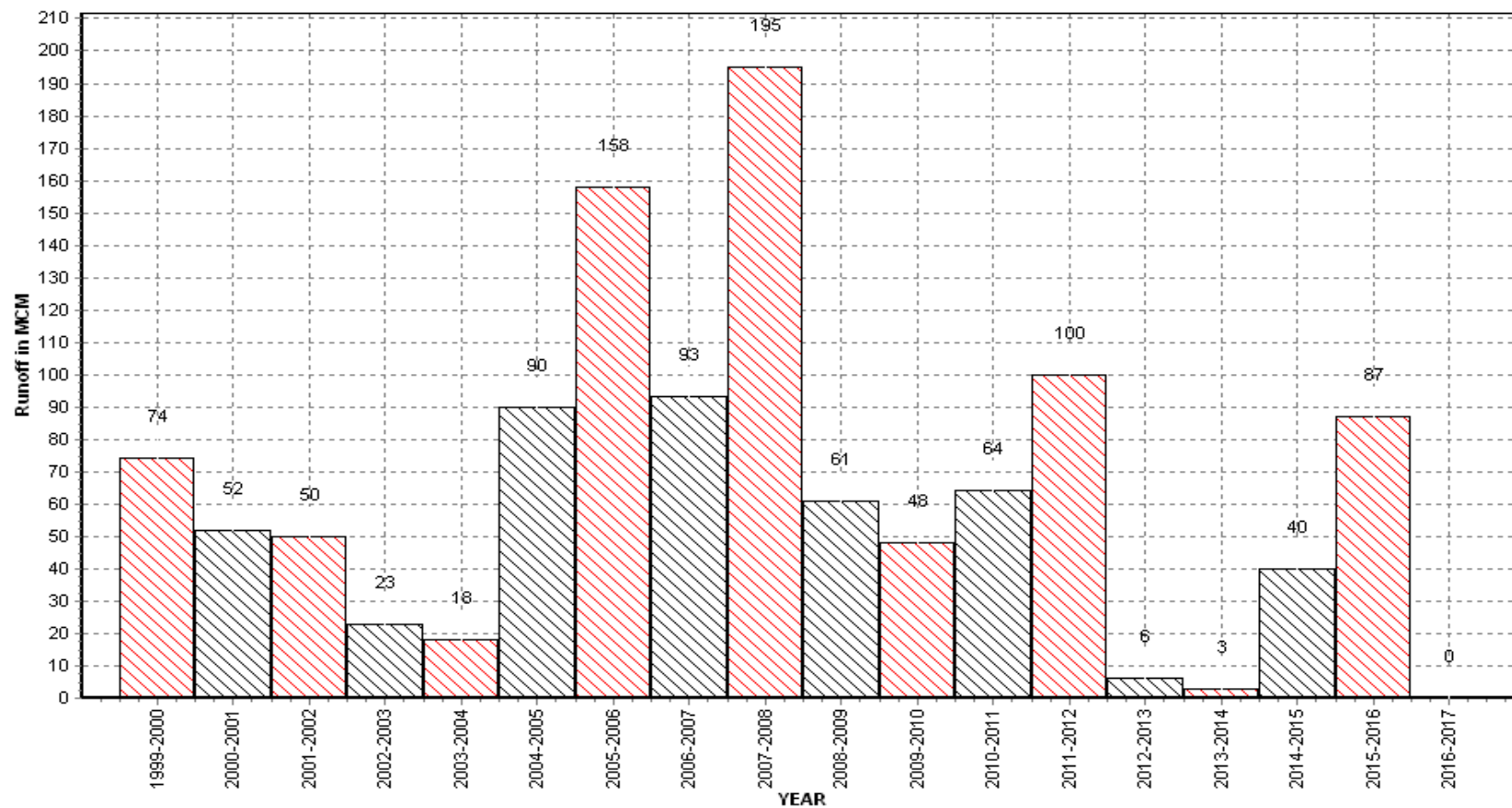
Station Name : AMBASAMUDRAM (CV000U2)

Local River : Vaigai

Division : SR Division, Coimbatore

Sub-Division : VSD Madurai

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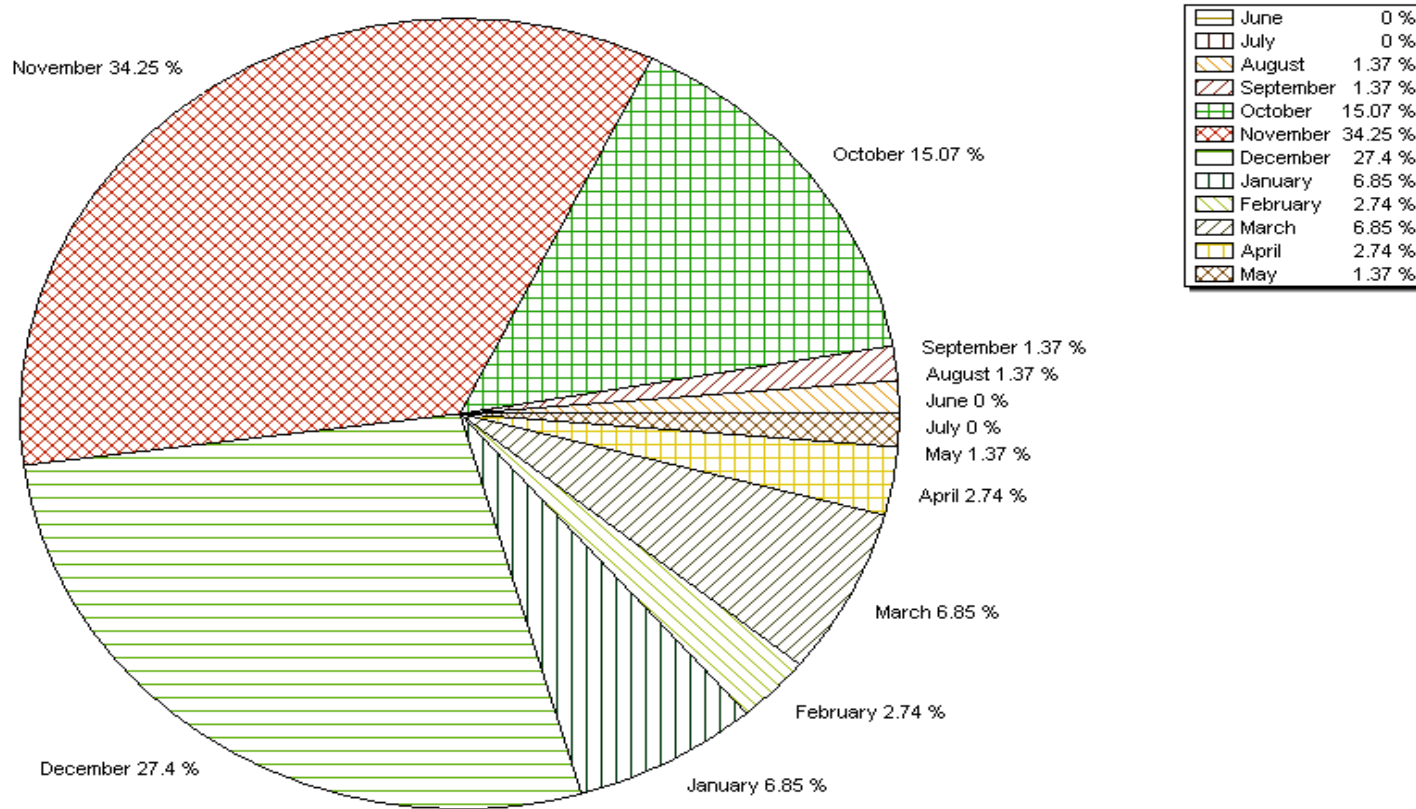


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : AMBASAMUDRAM (CV000U2)
Local River : Vaigai

Monthly Average Runoff based on period : 1999-2016

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

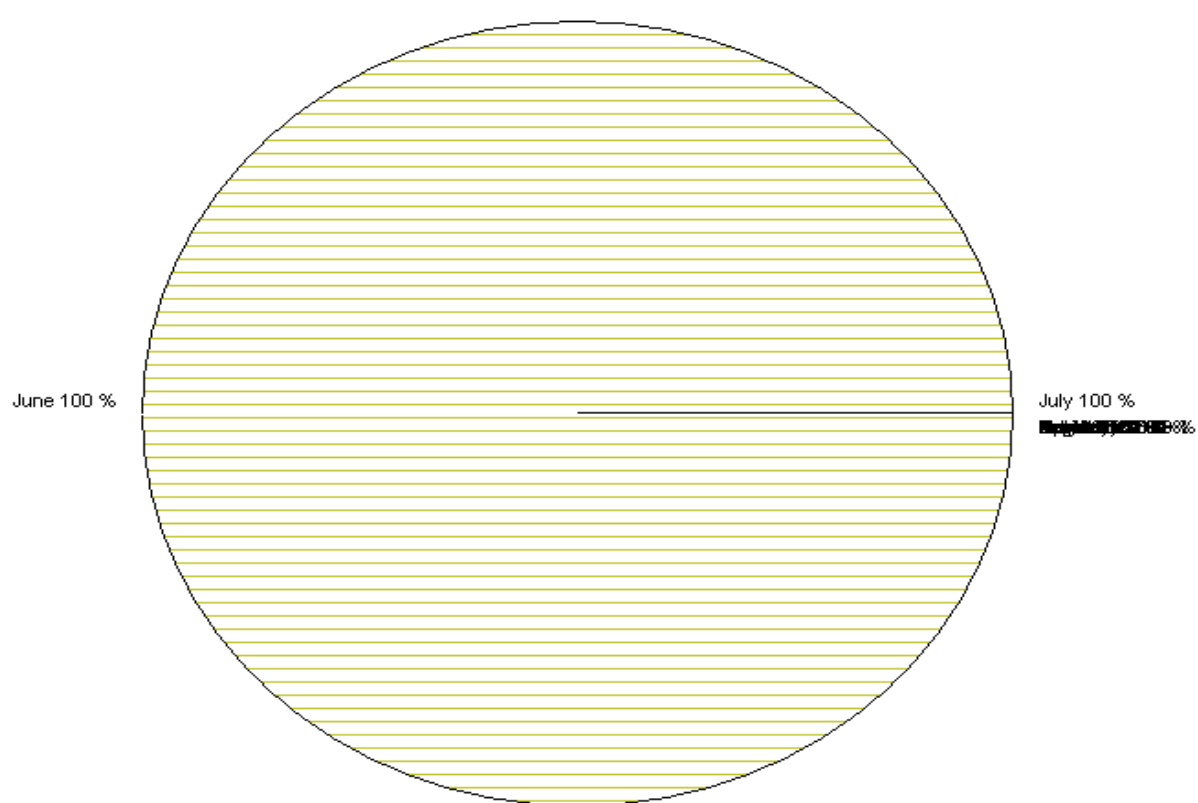


Station Name : AMBASAMUDRAM (CV000U2)
Local River : Vaigai

Monthly Runoff for the Year : 2016-2017

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

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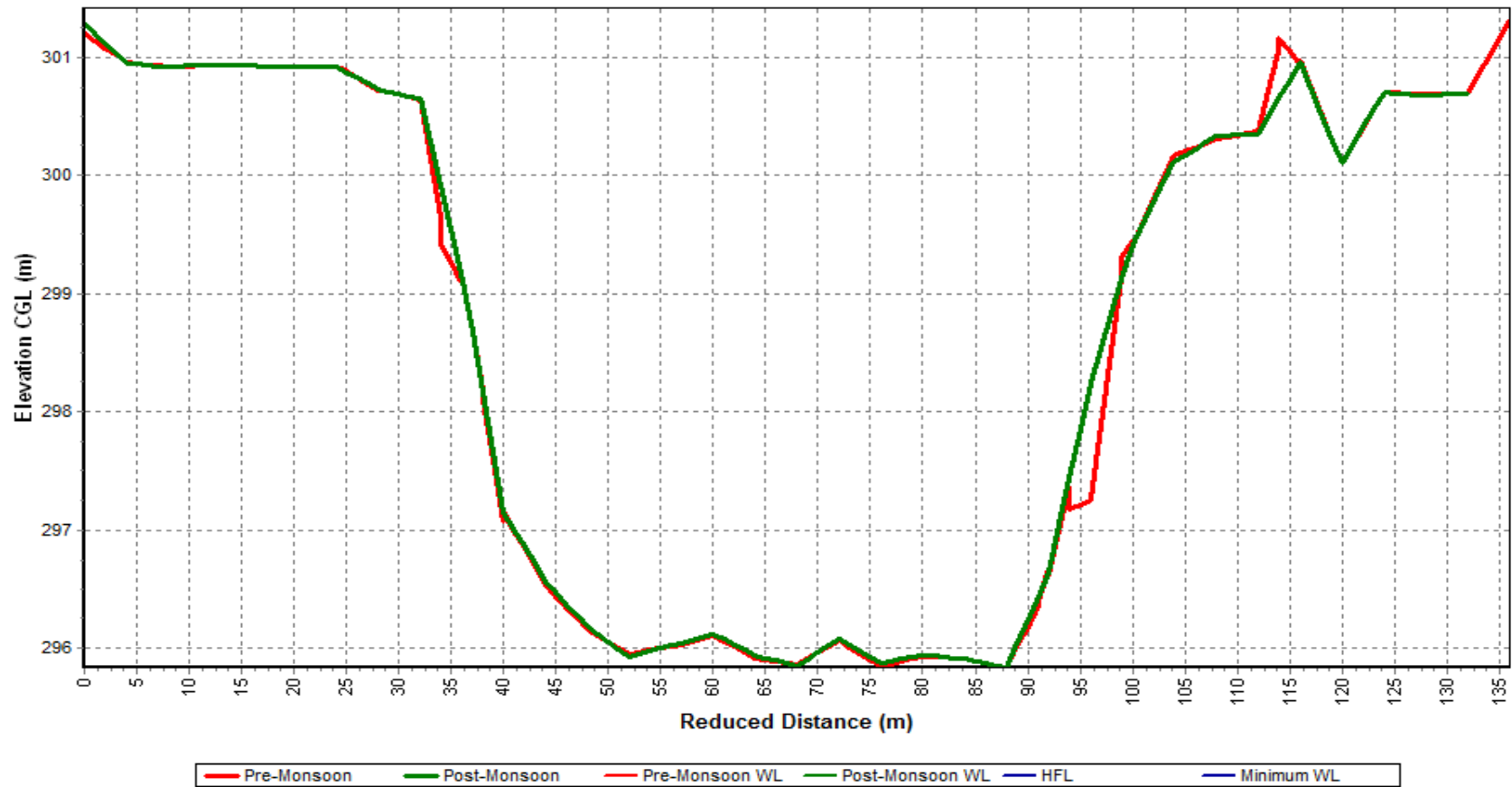
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

Station Name : AMBASAMUDRAM (CV000U2)

Local River : Vaigai

Division : SR Division, Coimbatore

Sub-Division : VSD Madurai



HISTORY SHEET

Water Year : 2016-2017

Site : IRRUKKANKUDI

Code : CY000K7

State : Tamil Nadu

District : Virudhunagar

Basin : EFR South of Cauvery

Independent River : Vaippar

Tributary : -

Sub Tributary : -

Sub-Sub Tributary : -

Local River : Vaippar

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

Drainage Area : 3721 Sq. Km.

Bank : Left

Latitude : 09°19'27"

Longitude : 77°59'26"

Zero of Gauge (m) : 46.000 (m.s.l)

25/09/1989

Opening Date

Closing Date

Gauge : 25/09/1989

Discharge : 25/11/1989

Sediment :

Water Quality : 01/06/1993

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1990-1991	704.4	49.675	01/11/1990	0.000	Dry Bed	01/06/1990
1991-1992	21.59	47.533	22/10/1991	0.000	Dry Bed	01/06/1991
1992-1993	97.18	48.610	15/11/1992	0.000	Dry Bed	01/06/1992
1993-1994	497.5	49.887	10/11/1993	0.000	Dry Bed	01/06/1993
1994-1995	40.55	48.070	31/10/1994	0.000	Dry Bed	01/06/1994
1995-1996	0.000	Dry Bed	01/06/1995	0.000	Dry Bed	01/06/1995
1996-1997	192.1	48.700	17/10/1996	0.000	Dry Bed	01/06/1996
1997-1998	1032	50.800	09/12/1997	0.000	Dry Bed	01/06/1997
1998-1999	232.5	51.000	14/12/1998	0.000	Dry Bed	01/06/1998
1999-2000	25.14	47.740	24/11/1999	0.000	Dry Bed	01/06/1999
2000-2001	0.000	Dry Bed	01/06/2000	0.000	Dry Bed	01/06/2000
2001-2002	55.29	48.150	17/11/2001	0.000	Dry Bed	01/06/2001
2002-2003	18.84	47.825	12/11/2002	0.000	Dry Bed	01/06/2002
2003-2004	11.79	47.690	29/10/2003	0.000	Dry Bed	01/06/2003
2004-2005	379.3	49.980	02/11/2004	0.000	Dry Bed	01/06/2004
2005-2006	26.32	47.990	26/11/2005	0.000	Dry Bed	01/06/2005
2006-2007	41.75	49.400	22/11/2006	0.000	Dry Bed	19/06/2006
2007-2008	16.50	47.520	11/04/2008	0.000	Dry Bed	01/06/2007
2008-2009	137.4	47.850	23/10/2008	0.000	Dry Bed	01/06/2008

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2009-2010	0.000	Dry Bed	01/06/2009	0.000	Dry Bed	01/06/2009
2010-2011	15.41	47.740	26/11/2010	0.000	Dry Bed	01/06/2010
2011-2012	1.928	47.150	23/12/2011	0.000	Dry Bed	01/06/2011
2012-2013	0.000	Dry Bed	01/06/2012	0.000	Dry Bed	01/06/2012
2013-2014	0.000	Dry Bed	01/06/2013	0.000	Dry Bed	01/06/2013
2014-2015	0.000	Dry Bed	01/06/2014	0.000	Dry Bed	01/06/2014
2015-2016	37.58	47.510	05/12/2015	0.000	Dry Bed	01/06/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : IRRUKKANKUDI (CY000K7)

Division : SR Division, Coimbatore

Local River : Vaippar

Sub-Division : VSD Madurai

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	46.890	0.152	46.885	0.122		0.000		0.000		0.000		0.000
2	46.895	0.168	46.880	0.113		0.000		0.000		0.000		0.000
3	46.900	0.179	46.890	0.138 *		0.000		0.000		0.000		0.000
4	46.890	0.153	46.880	0.112		0.000		0.000		0.000		0.000
5	46.905	0.180 *	46.885	0.122		0.000		0.000		0.000		0.000
6	46.895	0.157	46.880	0.117		0.000		0.000		0.000		0.000
7	46.880	0.144	46.890	0.138 *		0.000		0.000		0.000		0.000
8	46.880	0.143	46.890	0.123		0.000		0.000		0.000		0.000
9	46.885	0.147	46.885	0.107		0.000		0.000		0.000		0.000
10	46.890	0.155	46.890	0.138 *		0.000		0.000		0.000		0.000
11	46.880	0.136	46.880	0.118		0.000		0.000		0.000		0.000
12	46.885	0.125 *	46.885	0.104		0.000		0.000		0.000		0.000
13	46.880	0.123	46.875	0.096		0.000		0.000		0.000		0.000
14	46.880	0.116	46.890	0.130		0.000		0.000		0.000		0.000
15	46.885	0.122	46.895	0.139		0.000		0.000		0.000		0.000
16	46.880	0.120	46.890	0.124		0.000		0.000		0.000		0.000
17	46.890	0.142	46.890	0.138 *		0.000		0.000		0.000		0.000
18	46.880	0.108	46.885	0.113		0.000		0.000		0.000		0.000
19	46.890	0.138 *	46.880	0.122		0.000		0.000		0.000		0.000
20	46.880	0.122	46.885	0.124		0.000		0.000		0.000		0.000
21	46.875	0.110	46.875	0.081		0.000		0.000		0.000		0.000
22	46.880	0.113		0.000		0.000		0.000		0.000		0.000
23	46.880	0.099		0.000		0.000		0.000		0.000		0.000
24	46.885	0.146		0.000		0.000		0.000		0.000		0.000
25	46.880	0.101		0.000		0.000		0.000		0.000		0.000
26	46.880	0.113 *		0.000		0.000		0.000		0.000		0.000
27	46.880	0.099		0.000		0.000		0.000		0.000		0.000
28	46.885	0.104		0.000		0.000		0.000		0.000		0.000
29	46.890	0.111		0.000		0.000		0.000		0.000		0.000
30	46.880	0.101		0.000		0.000		0.000		0.000		0.000
31				0.000		0.000				0.000		
Ten-Daily Mean												
I Ten-Daily	46.891	0.158	46.886	0.123		0.000		0.000		0.000		0.000
II Ten-Daily	46.883	0.125	46.886	0.121		0.000		0.000		0.000		0.000
III Ten-Daily	46.882	0.110	46.875	0.007		0.000		0.000		0.000		0.000
Monthly												
Min.	46.875	0.099	46.875	0.000		0.000		0.000		0.000		0.000
Max.	46.905	0.180	46.895	0.139		0.000		0.000		0.000		0.000
Mean	46.885	0.131	46.885	0.081		0		0		0		0

Annual Runoff in MCM = 1 Annual Runoff in mm = 0

Peak Observed Discharge = 0.179 cumecs on 03/06/2016 Corres. Water Level :46.9 m

Lowest Observed Discharge = 0.000 cumecs on 22/07/2016

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

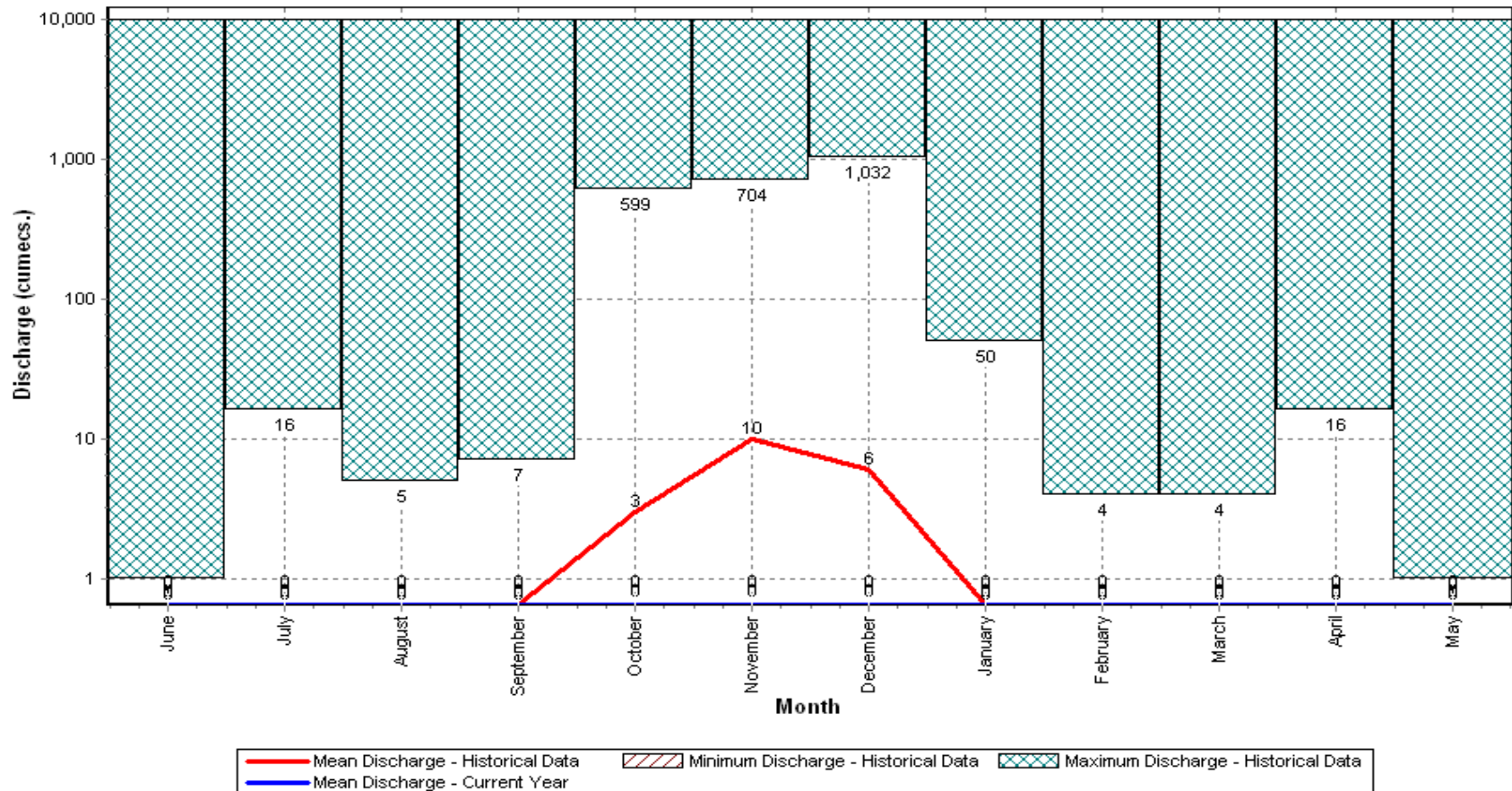
*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Station Name : IRRUKKANKUDI (CY000K7)
Local River : Vaippar

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017 Data considered : 1990-2017

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai



Annual Runoff Values for the period: 1990 - 2017

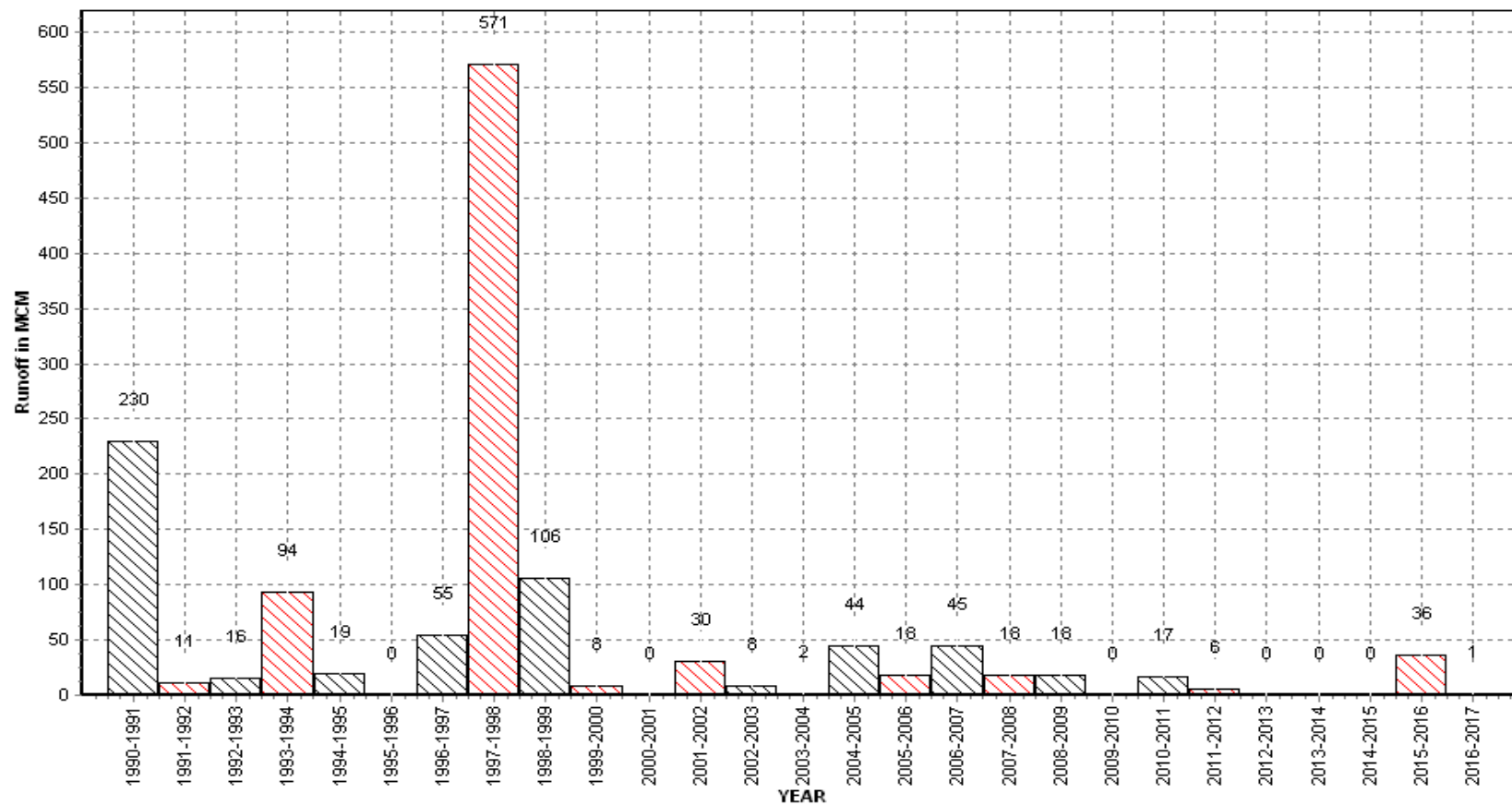
Station Name : IRRUKKANKUDI (CY000K7)

Local River : Vaippar

Division : SR Division, Coimbatore

Sub-Division : VSD Madurai

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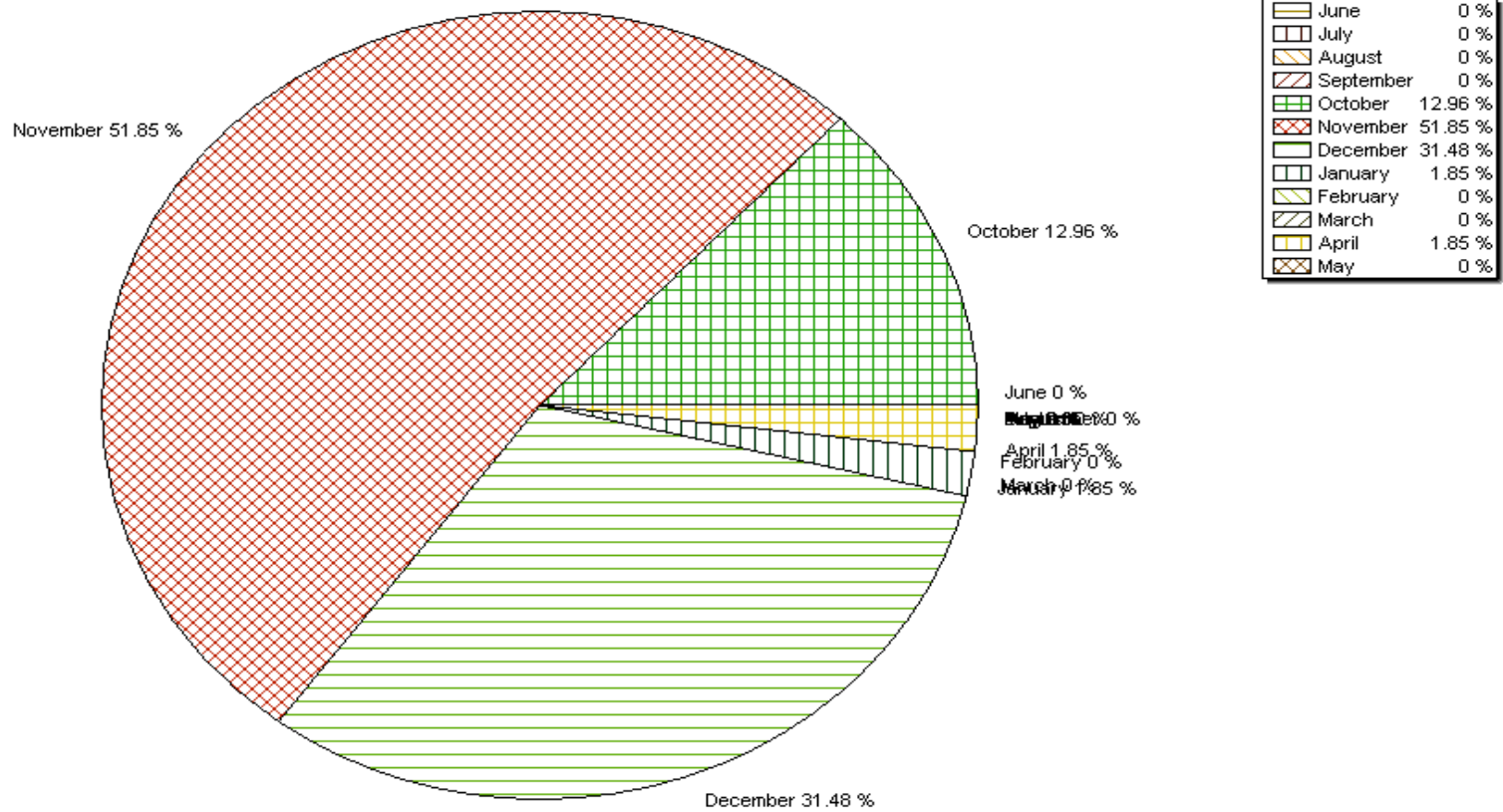


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : IRRUKKANKUDI (CY000K7)
Local River : Vaippar

Monthly Average Runoff based on period : 1990-2016

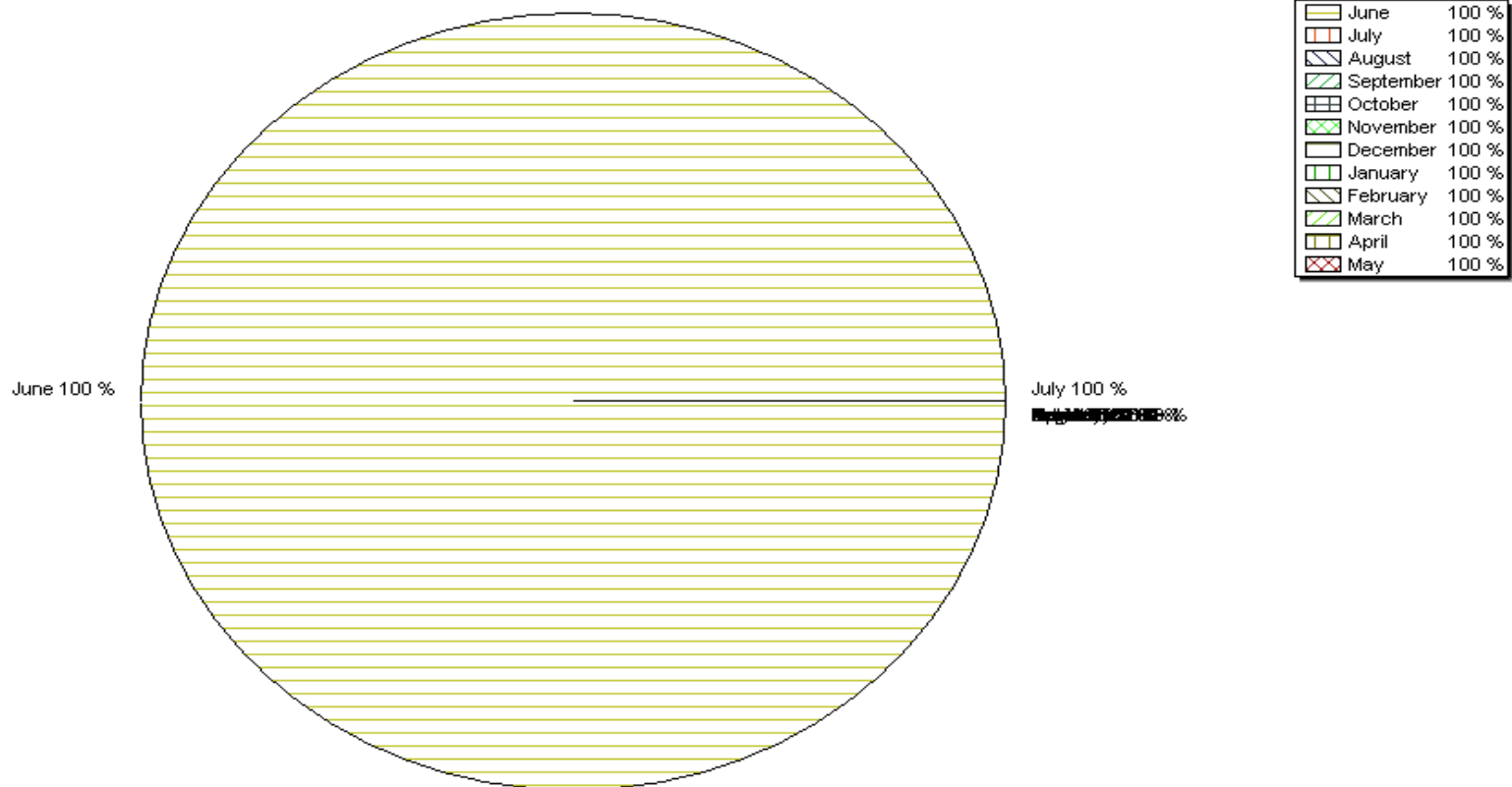
Division : SR Division, Coimbatore
Sub-Division : VSD Madurai



Station Name : IRRUKKANKUDI (CY000K7)
Local River : Vaippar

Monthly Runoff for the Year : 2016-2017

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

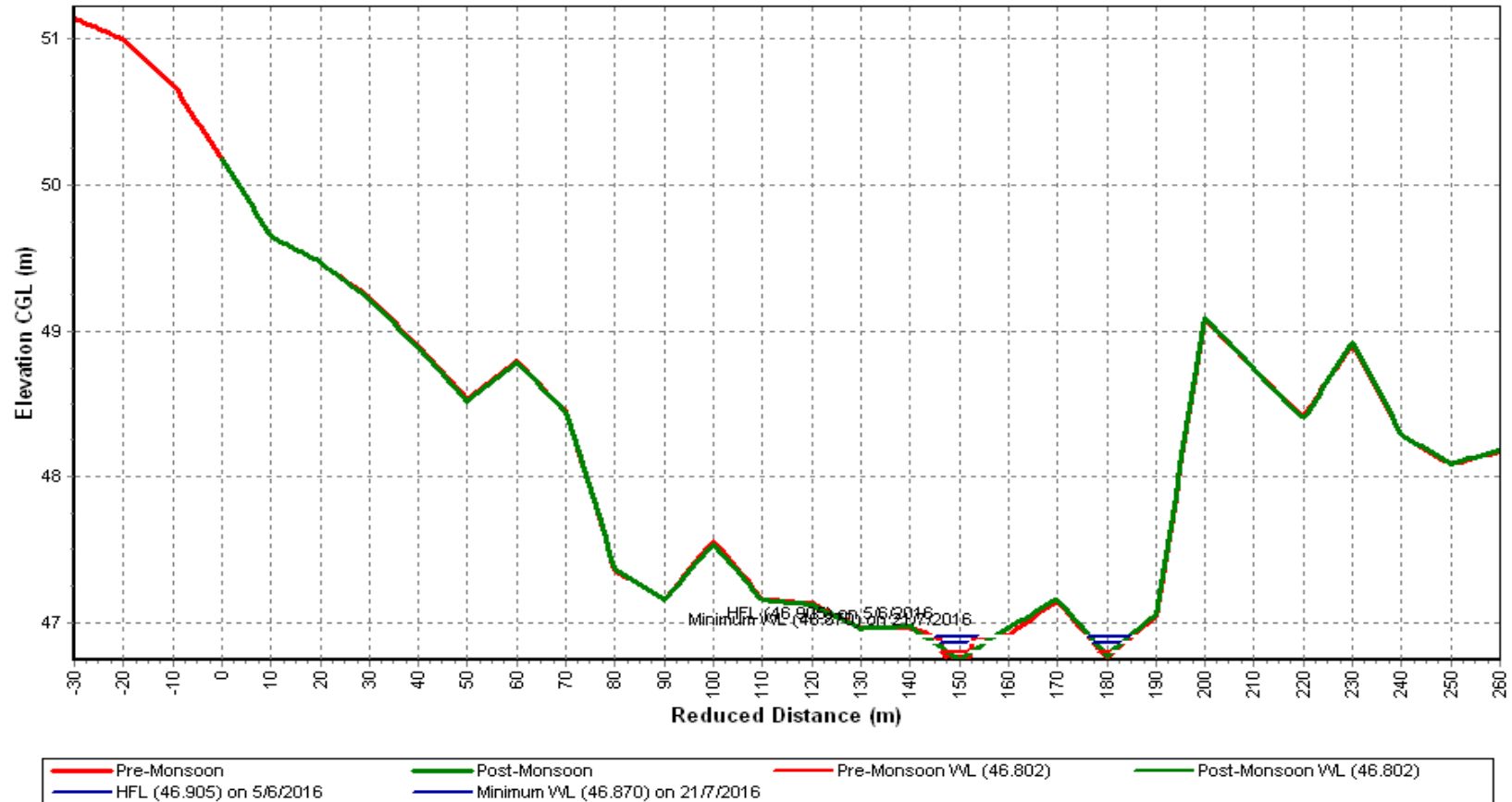
Station Name : IRRUKKANKUDI (CY000K7)

Local River : Vaippar

Division : SR Division, Coimbatore

Sub-Division : VSD Madurai

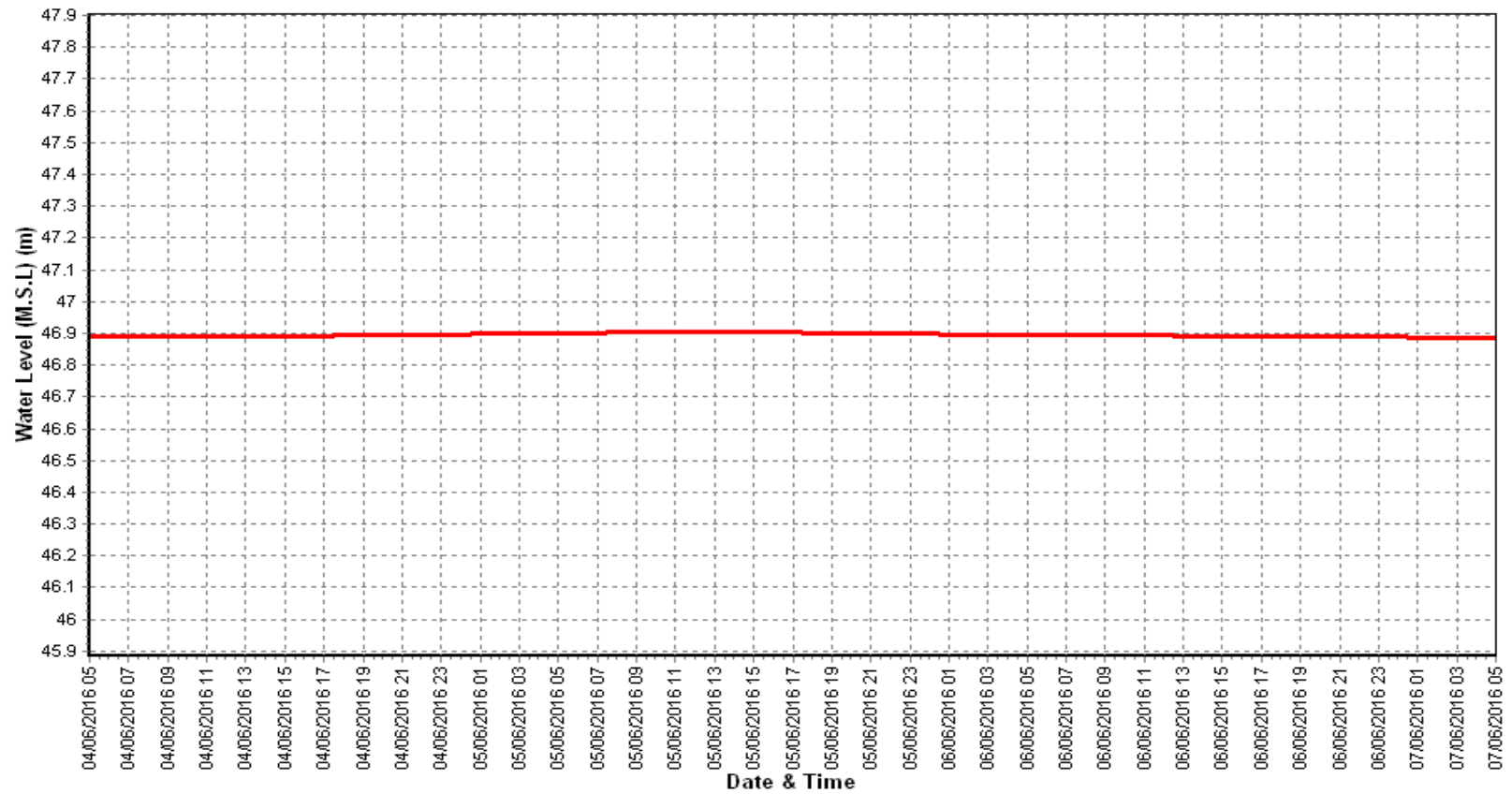
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Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2016-2017

Station Name : IRRUKKANKUDI (CY000K7)
Local River : Vaippar

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai



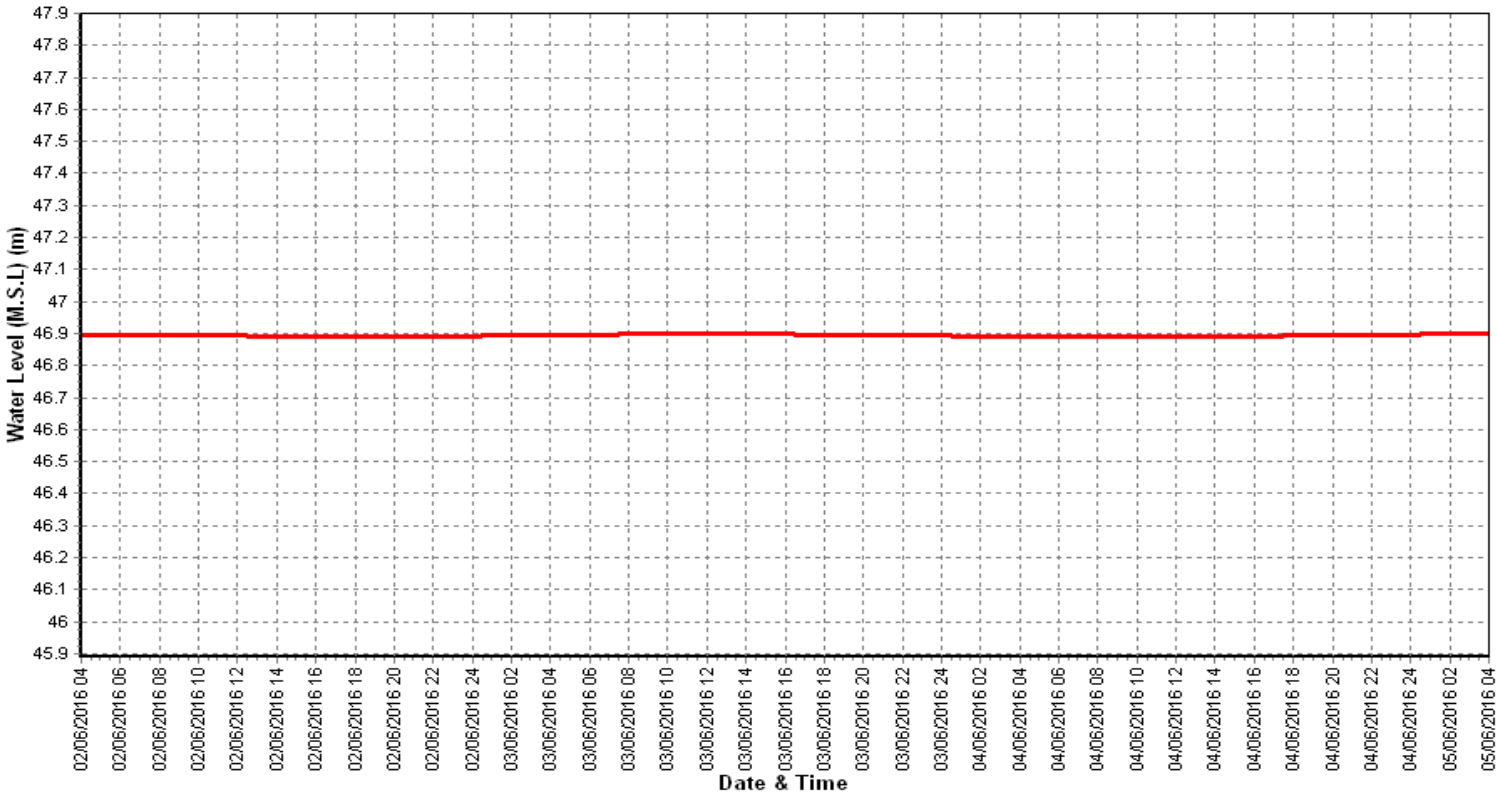
Time Span: 72 Hrs

Station Name : IRRUKKANKUDI (CY000K7)
Local River : Vaippar

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2016-2017

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

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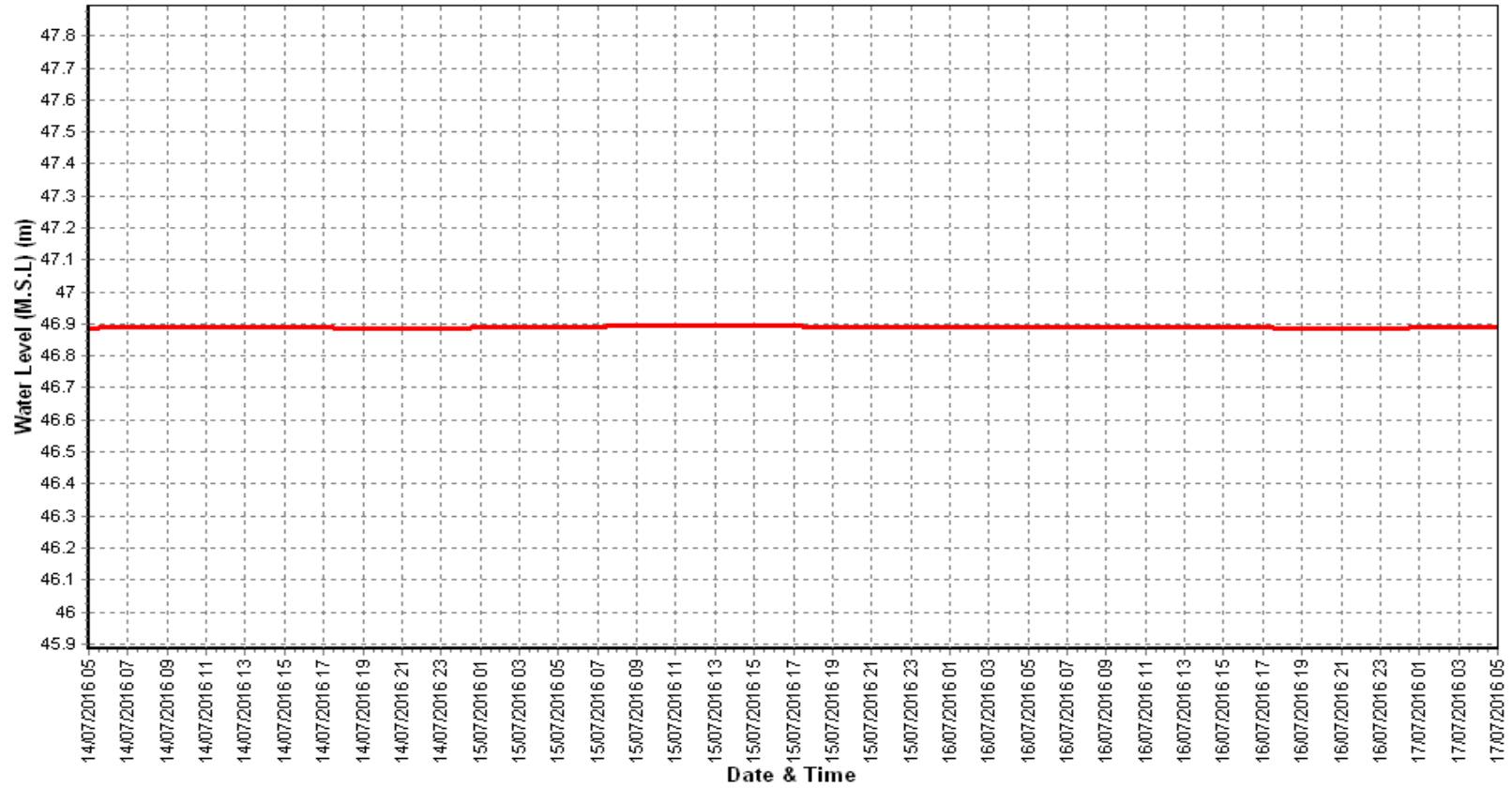
Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2016-2017

Station Name : IRRUKKANKUDI (CY000K7)
Local River : Vaippar

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

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Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2016-2017

Site : MURAPPANADU

Code : CT000H9

State : Tamil Nadu

District Tuticorin

Basin : EFR South of Cauvery

Independent River : Tambraparani

Tributary : -

Sub Tributary : -

Sub-Sub Tributary : -

Local River : Tambraparani

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

Drainage Area : 4380 Sq. Km.

Bank : Right

Latitude : 08°42'52"

Longitude : 77°50'06"

Zero of Gauge (m) : 14.000 (m.s.l)
14.025 (m.s.l)29/08/1977 - 31/05/1980
01/06/1980

Opening Date

Closing Date

Gauge : 29/08/1977

Discharge : 23/11/1977

Sediment : 15/02/1979

Water Quality : 15/08/1978

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1978-1979	425.0	17.510	26/12/1978	0.580	14.945	24/09/1978
1979-1980	2405	21.075	12/11/1979	0.500	14.965	21/10/1979
1980-1981	565.7	17.945	19/12/1980	0.300	14.885	21/06/1980
1981-1982	273.7	17.070	20/12/1981	0.800	15.025	21/05/1982
1982-1983	264.6	17.145	27/11/1982	0.000	14.885	11/04/1983
1983-1984	2249	20.415	04/03/1984	0.000	14.890	01/06/1983
1984-1985	102.8	16.345	05/01/1985	0.200	15.025	22/04/1985
1985-1986	182.4	16.785	13/11/1985	1.100	15.115	02/04/1986
1986-1987	81.10	16.208	29/10/1986	0.000	14.985	16/04/1987
1987-1988	221.0	17.035	08/12/1987	0.000	14.975	06/06/1987
1988-1989	151.0	17.013	09/11/1988	0.000	14.945	28/05/1989
1989-1990	493.8	18.160	08/01/1990	0.011	14.920	13/06/1989
1990-1991	217.9	17.095	28/11/1990	0.526	14.950	10/10/1990
1991-1992	179.3	17.040	09/07/1991	0.482	14.935	18/05/1992
1992-1993	2154	21.350	14/11/1992	1.562	14.940	31/12/1992
1993-1994	1396	19.937	23/12/1993	0.990	14.923	28/09/1993
1994-1995	483.4	17.780	13/11/1994	0.851	14.940	06/06/1994
1995-1996	135.3	16.408	30/11/1995	0.000	14.755	04/04/1996

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1996-1997	144.7	16.495	15/12/1996	0.000	14.815	02/06/1996
1997-1998	509.5	18.045	21/12/1997	0.000	14.950	15/06/1997
1998-1999	436.0	17.760	13/12/1998	0.581	14.815	11/05/1999
1999-2000	121.8	16.525	24/11/1999	1.019	14.845	07/06/1999
2000-2001	245.9	17.285	29/12/2000	0.000	Dry Bed	25/05/2001
2001-2002	226.0	17.130	03/02/2002	0.988	14.810	11/05/2002
2002-2003	228.1	17.007	20/11/2002	1.571	14.820	22/10/2002
2003-2004	145.1	16.570	30/11/2003	0.642	14.670	25/04/2004
2004-2005	1153	19.265	10/11/2004	0.913	14.685	31/03/2005
2005-2006	915.7	18.915	13/12/2005	3.382	14.725	06/04/2006
2006-2007	1321	20.225	23/11/2006	2.428	14.695	13/08/2006
2007-2008	631.8	18.530	22/03/2008	3.132	14.665	22/04/2008
2008-2009	486.8	18.190	20/12/2008	1.816	14.600	25/07/2008
2009-2010	271.3	18.385	10/11/2009	2.084	14.525	28/08/2009
2010-2011	147.8	17.225	04/12/2010	0.140	14.335	22/06/2010
2011-2012	380.2	18.565	27/11/2011	0.758	14.345	08/05/2012
2012-2013	27.09	15.335	01/01/2013	0.000	Dry Bed	11/06/2012
2013-2014	172.1	17.345	08/05/2014	0.955	14.415	31/05/2014
2014-2015	304.8	18.150	11/12/2014	0.560	14.325	24/06/2014
2015-2016	428.4	19.105	09/12/2015	1.846	14.875	01/09/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : MURAPPANADU (CT000H9)

Division : SR Division, Coimbatore

Local River : Tambraparani

Sub-Division : VSD Madurai

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	14.965	5.025	15.205	14.72	15.305	20.47	14.905	3.889	14.505	0.000	14.875	3.406
2	14.965	5.034	15.255	17.10	15.255	17.54	14.855	3.151	14.455	0.000	14.935	4.038
3	14.945	4.458	15.255	17.63 *	15.225	16.42	14.865	3.544	14.435	0.000	15.095	9.894
4	14.935	4.312	15.205	14.24	15.295	19.25	14.925	4.243 *	14.715	1.082	15.005	6.307
5	14.925	4.243 *	15.155	12.40	15.305	19.40	14.945	4.617 *	14.775	2.393	14.925	4.166
6	14.885	3.497	15.115	11.63	15.295	19.26	14.955	4.812	14.905	3.767	14.915	4.061 *
7	14.885	3.461	15.065	8.609 *	15.245	17.09 *	14.935	4.316	15.005	7.216	14.865	3.233
8	14.835	2.416	15.105	11.52	15.225	16.12	14.885	3.817	14.845	2.779	14.795	2.170
9	14.885	3.445	15.125	11.95	15.255	17.71	14.855	3.146	14.865	3.215 *	14.745	1.628
10	15.045	7.228	15.045	7.818 *	15.105	10.97	14.845	2.793	14.815	2.598	14.805	2.209
11	15.005	5.704	15.055	8.798	15.055	8.904	14.875	3.376 *	14.835	2.756 *	14.905	3.965
12	15.095	9.854 *	14.995	5.441	15.005	7.082	14.885	3.447	14.825	2.611 *	14.915	4.003
13	15.035	6.534	15.155	12.41	15.015	7.358	14.865	3.215 *	14.755	1.810	14.875	3.376 *
14	15.085	10.43	15.135	12.02	15.005	6.332 *	14.845	2.816	14.725	1.201	14.865	3.215 *
15	15.205	14.65	15.135	11.95	14.865	3.215 *	14.855	3.058 *	14.895	3.979	14.975	5.745
16	15.215	15.42	15.125	11.52	14.955	4.607	14.845	2.803	14.865	3.215 *	15.045	7.818 *
17	15.005	5.637	15.145	12.08 *	14.935	4.309	14.855	3.018	14.845	3.024	15.015	6.440
18	14.995	5.512	15.155	12.82	14.985	5.720	14.875	3.376 *	14.855	2.886	15.025	6.593
19	15.065	8.609 *	15.165	14.06	14.875	2.745	14.835	2.648	14.875	3.427	15.035	6.794
20	15.225	16.09	15.155	12.99	14.925	4.221	14.825	2.600	14.965	5.026	15.015	6.691 *
21	15.295	17.60	15.145	12.29	14.825	2.611 *	14.785	1.936	15.035	6.561	14.995	6.026
22	15.215	15.45	15.235	16.70	14.815	2.564	14.895	3.916	15.165	13.90	14.935	4.175
23	15.225	16.30	15.185	14.07	14.775	2.156	14.945	4.573	15.165	13.03 *	14.965	5.114
24	15.215	15.77	15.205	15.00 *	14.765	2.116	14.975	5.409	15.035	6.702	14.905	3.944
25	15.205	14.30	15.205	14.90	14.775	1.946 *	14.955	4.811 *	14.975	5.930	14.925	4.020
26	15.185	14.00 *	15.215	15.42	14.835	2.743	14.915	3.858	14.985	6.104	14.865	3.250
27	15.175	13.34	15.235	16.95	14.935	4.412	14.875	3.446	14.925	4.048	14.855	3.058 *
28	15.155	12.95	15.375	23.75	14.945	4.617 *	14.855	2.766	14.885	3.650	14.855	3.098
29	15.145	12.32	15.445	29.60	14.925	4.271	14.765	2.003	14.865	3.215 *	14.855	3.189
30	15.185	13.98	15.405	26.70	14.895	3.818	14.625	0.000	14.835	2.756 *	14.865	3.326
31			15.325	21.60 *	14.885	3.724			14.835	2.932		
<u>Ten-Daily Mean</u>												
I Ten-Daily	14.927	4.312	15.153	12.76	15.251	17.42	14.897	3.833	14.732	2.305	14.896	4.111
II Ten-Daily	15.093	9.843	15.122	11.41	14.962	5.449	14.856	3.036	14.844	2.993	14.967	5.464
III Ten-Daily	15.200	14.60	15.270	18.82	14.852	3.180	14.859	3.272	14.973	6.257	14.902	3.920
<u>Monthly</u>												
Min.	14.835	2.416	14.995	5.441	14.765	1.946	14.625	0.000	14.435	0.000	14.745	1.628
Max.	15.295	17.60	15.445	29.60	15.305	20.47	14.975	5.409	15.165	13.90	15.095	9.894
Mean	15.073	9.586	15.185	14.47	15.016	8.506	14.871	3.38	14.854	3.93	14.922	4.498

Annual Runoff in MCM = 152 Annual Runoff in mm = 35

Peak Observed Discharge = 29.60 cumecs on 29/07/2016 Corres. Water Level :15.445 m

Lowest Observed Discharge = 0.000 cumecs on 30/09/2016 Corres. Water Level :14.625 m

Q: Observed/Computed Discharge in cumecs WL:Corresponding Mean Water Level(m.s.l) in m *:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2016 - 2017

Station Name : MURAPPANADU (CT000H9)

Division : SR Division, Coimbatore

Local River : Tambraparani

Sub-Division : VSD Madurai

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	14.785	1.953	14.785	2.077	14.995	5.495	14.745	1.651	14.835	2.416	14.825	2.550 *
2	14.805	2.319	14.785	1.991 *	14.925	3.896	14.785	2.051	14.825	2.550 *	14.785	1.991 *
3	14.795	2.124	14.755	1.773	14.885	3.596	14.795	2.578	14.815	2.280	14.785	1.991 *
4	14.835	2.699 *	14.715	1.093	14.845	2.678	14.765	1.835	14.805	2.196	14.795	2.125 *
5	14.835	2.839	14.675	0.717	14.825	2.550 *	14.845	2.853 *	14.795	2.000	14.775	1.862 *
6	14.845	2.779	14.695	0.824	14.805	2.378	14.935	4.220	14.805	2.164	14.775	1.862 *
7	14.845	2.886	14.705	1.040	14.785	2.078	14.945	4.420	14.785	2.087	14.735	1.385 *
8	14.855	3.108	14.715	1.172 *	14.775	1.969	14.945	4.369	14.765	1.840	14.795	1.932
9	14.855	3.075	14.695	0.817	14.755	1.819	14.935	4.491	14.755	1.615 *	14.785	1.966
10	14.845	2.703	14.710	1.150	14.735	1.478	14.975	4.807	14.755	1.783	14.825	2.550 *
11	14.915	4.039 *	14.705	1.085	14.765	1.931	14.885	3.562	14.775	1.908	14.845	2.814
12	14.825	2.583	14.695	1.013	14.745	1.498 *	14.855	3.010 *	14.805	2.161	14.825	2.462
13	14.805	2.262 *	14.675	0.705	14.745	1.568	14.845	2.740	14.825	2.469	14.805	2.013
14	14.805	2.278	14.685	0.883 *	14.725	1.180	14.835	2.451	14.835	2.699 *	14.915	4.039 *
15	14.815	2.458	14.705	1.071 *	14.710	1.044	14.875	3.270	14.845	2.823	14.975	5.106
16	14.805	2.260	14.675	0.678	14.685	0.883 #	14.865	3.103	14.835	2.699 *	14.855	2.862
17	14.785	2.168	14.665	0.562	14.635	0.000	14.855	3.124	14.825	2.550 *	14.775	1.907
18	14.775	1.862 *	14.695	1.043	14.765	1.984	14.935	4.001	14.835	2.699 *	14.755	1.730
19	14.755	1.789	14.805	2.322	14.835	2.699 *	14.955	4.802 *	14.795	2.125 *	14.765	1.854
20	14.745	1.712	14.795	2.283	14.735	1.372	14.905	3.814	14.785	1.991 *	14.735	1.427
21	14.765	2.118	14.815	2.428	14.755	1.896	14.845	2.778	14.745	1.498 *	14.725	1.276
22	14.775	2.099	14.785	1.991 *	14.745	1.512	14.875	3.288	14.735	1.385 *	14.705	1.060
23	14.805	2.309	14.785	1.981	14.725	1.217	14.895	3.627	14.735	1.385 *	14.675	0.700
24	14.795	2.227	14.755	1.730	14.755	1.615 *	14.905	3.649	14.725	1.226	14.655	0.633
25	14.805	2.262 *	14.845	2.778	14.775	1.969	14.885	3.474	14.765	1.796	14.605	0.000
26	14.785	2.102	14.805	2.262 *	14.745	1.498 *	14.855	3.010 *	14.795	2.033	14.595	0.000
27	14.765	1.942	14.835	2.644	14.725	1.196	14.835	2.518	14.785	1.975	14.605	0.000
28	14.775	1.985	14.875	3.451	14.775	1.966	14.815	2.297	14.805	2.175	14.505	0.000
29	14.815	2.489	14.915	4.039 *			14.795	2.339	14.775	1.909	14.435	0.000
30	14.805	2.408	14.925	4.021			14.805	2.271	14.785	1.991 *	14.275	0.000
31	14.775	1.965	14.955	4.642			14.825	2.333			14.175	0.000
Ten-Daily Mean												
I Ten-Daily	14.830	2.649	14.724	1.265	14.833	2.794	14.867	3.327	14.794	2.093	14.788	2.021
II Ten-Daily	14.803	2.341	14.710	1.164	14.734	1.416	14.881	3.388	14.816	2.412	14.825	2.621
III Ten-Daily	14.788	2.173	14.845	2.906	14.750	1.609	14.849	2.871	14.765	1.737	14.541	0.334
Monthly												
Min.	14.745	1.712	14.665	0.562	14.635	0.000	14.745	1.651	14.725	1.226	14.175	0.000
Max.	14.915	4.039	14.955	4.642	14.995	5.495	14.975	4.807	14.845	2.823	14.975	5.106
Mean	14.806	2.381	14.762	1.815	14.774	1.963	14.865	3.185	14.792	2.081	14.712	1.616

Peak Computed Discharge = 21.60 cumecs on 31/07/2016

Corres. Water Level :15.325 m

Lowest Computed Discharge = 0.883 cumecs on 14/01/2017

Corres. Water Level :14.685 m

Q: Observed/Computed Discharge in cumecs WL:Corresponding Mean Water Level(m.s.l) in m *:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017

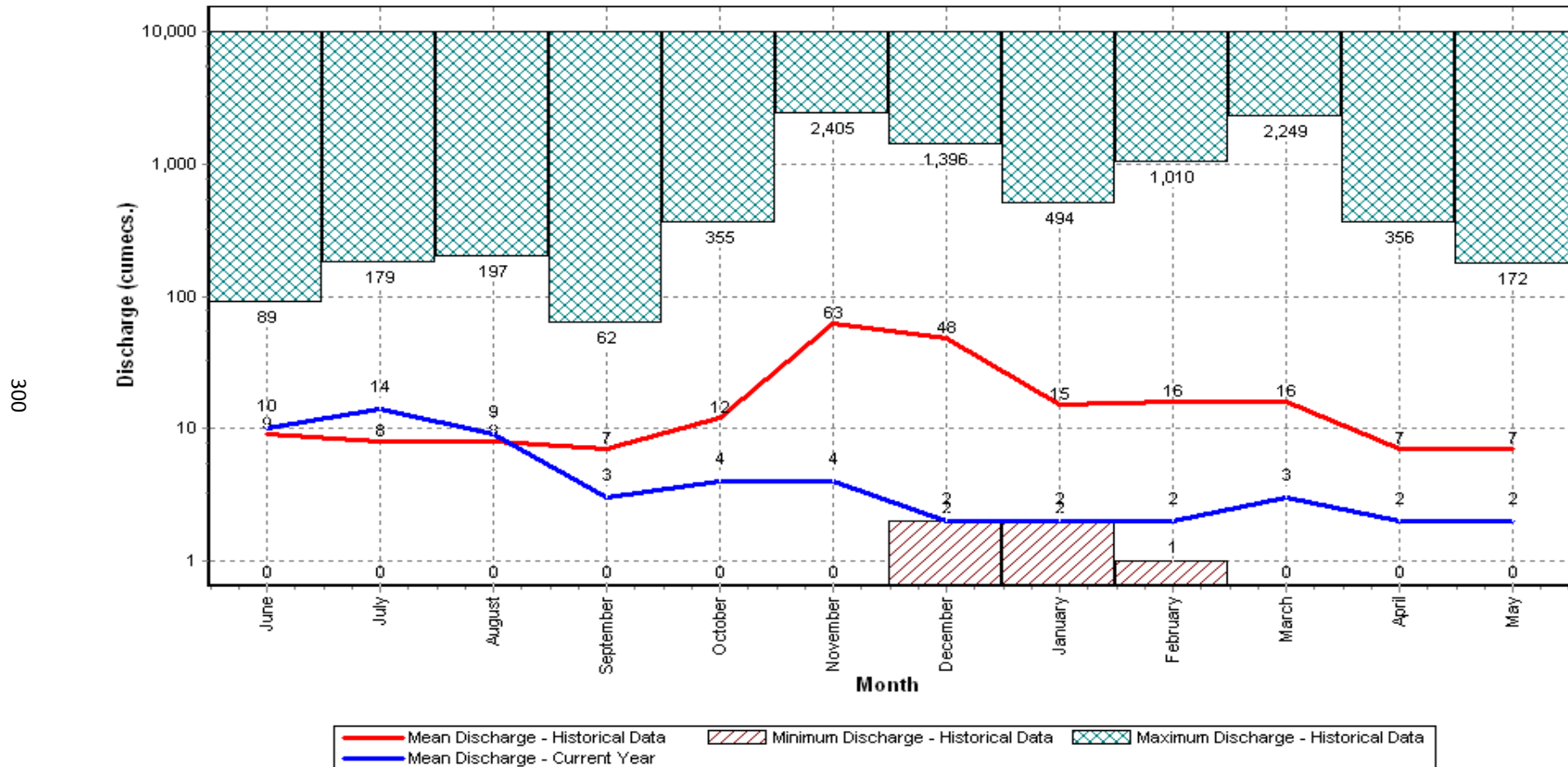
Station Name : MURAPPANADU (CT000H9)

Data considered : 1978-2017

Division : SR Division, Coimbatore

Local River : Tambraparani

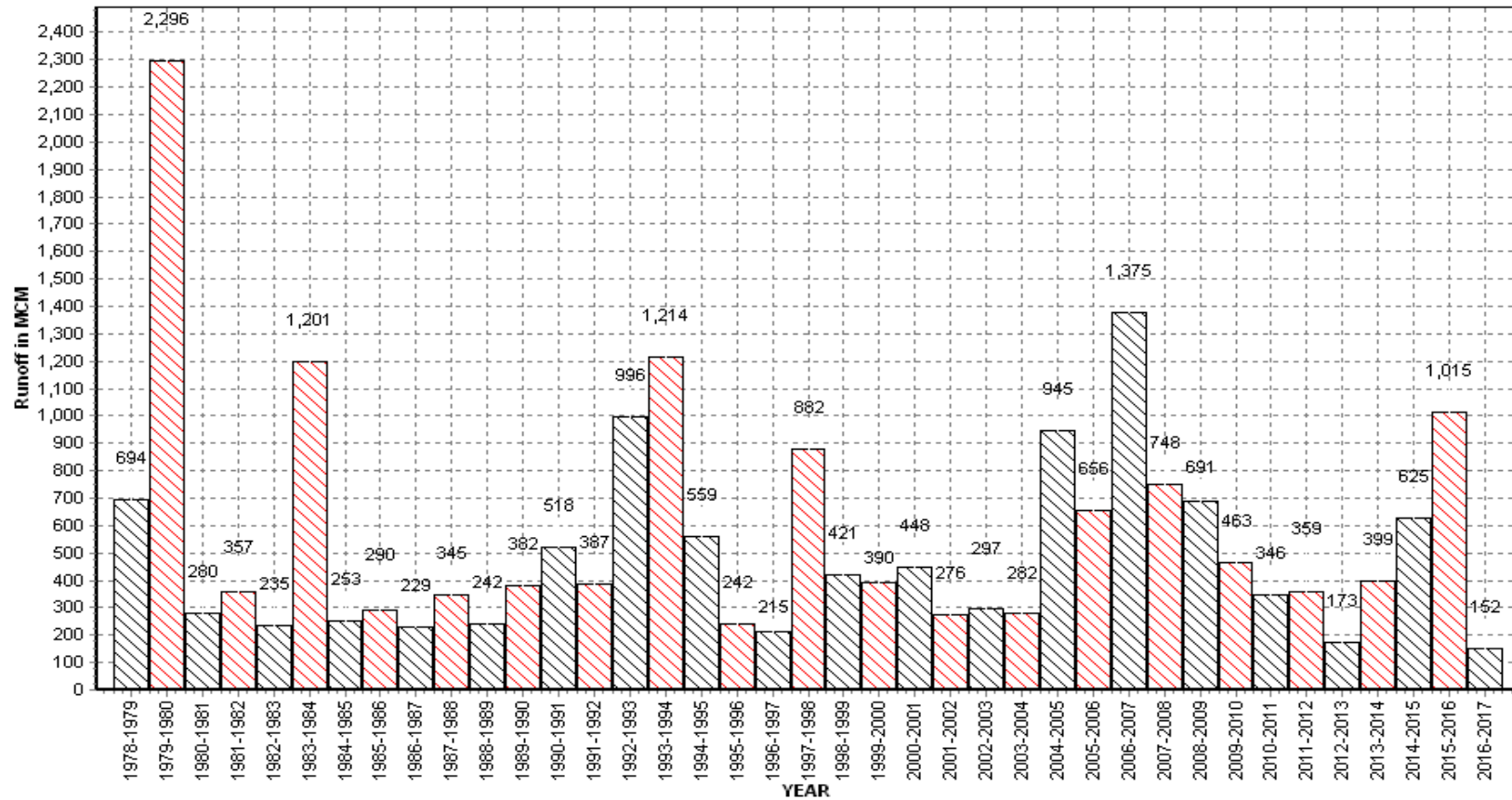
Sub-Division : VSD Madurai



Station Name : MURAPPANADU (CT000H9)
Local River : Tambraparani

Annual Runoff Values for the period: 1978 - 2017

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

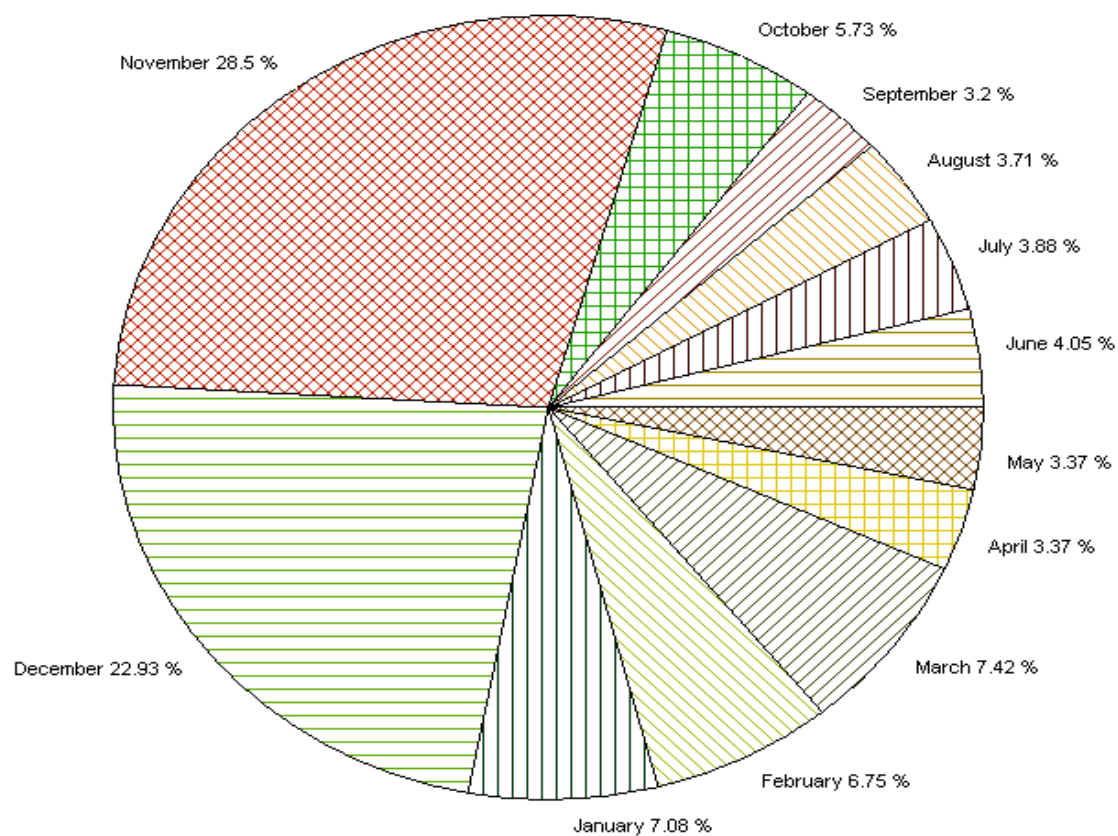


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : MURAPPANADU (CT000H9)
Local River : Tambraparani

Monthly Average Runoff based on period : 1978-2016

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

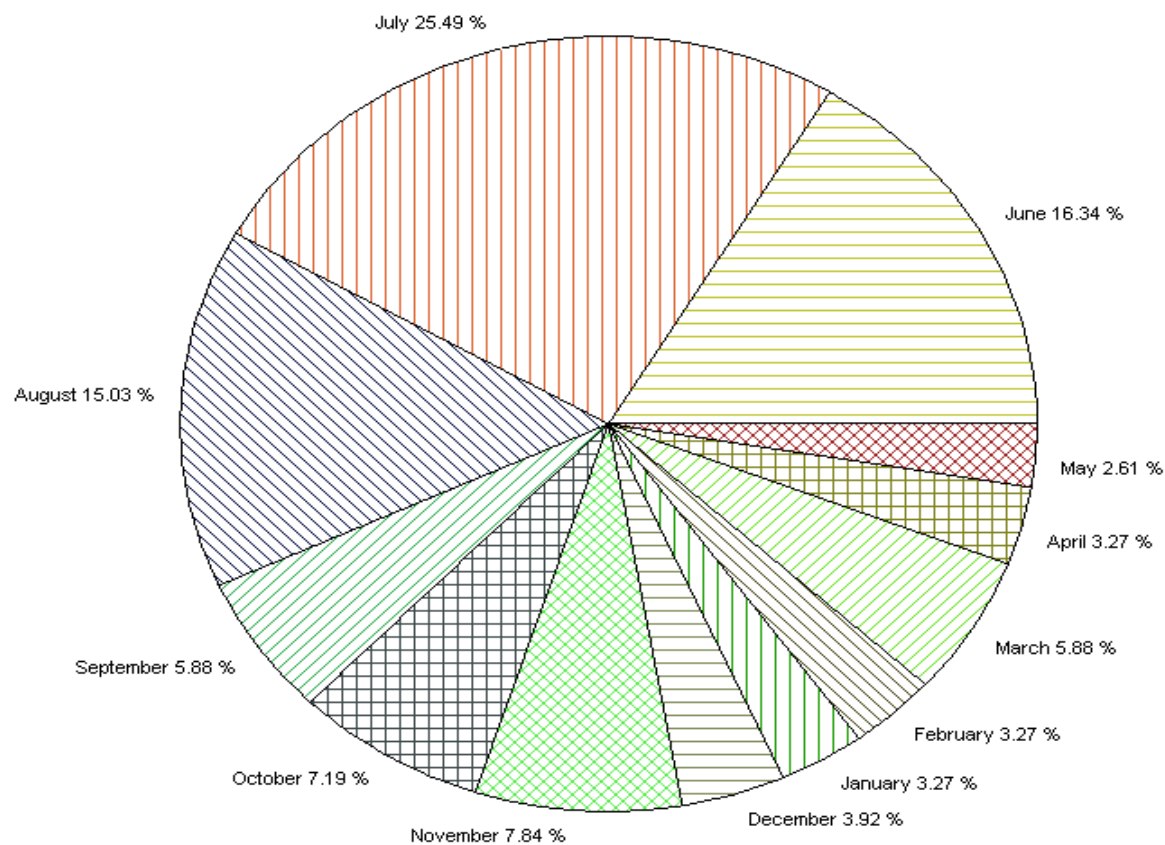


June	4.05 %
July	3.88 %
August	3.71 %
September	3.2 %
October	5.73 %
November	28.5 %
December	22.93 %
January	7.08 %
February	6.75 %
March	7.42 %
April	3.37 %
May	3.37 %

Station Name : MURAPPANADU (CT000H9)
Local River : Tambraparani

Monthly Runoff for the Year : 2016-2017

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai



June	16.34 %
July	25.49 %
August	15.03 %
September	5.88 %
October	7.19 %
November	7.84 %
December	3.92 %
January	3.27 %
February	3.27 %
March	5.88 %
April	3.27 %
May	2.61 %

Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

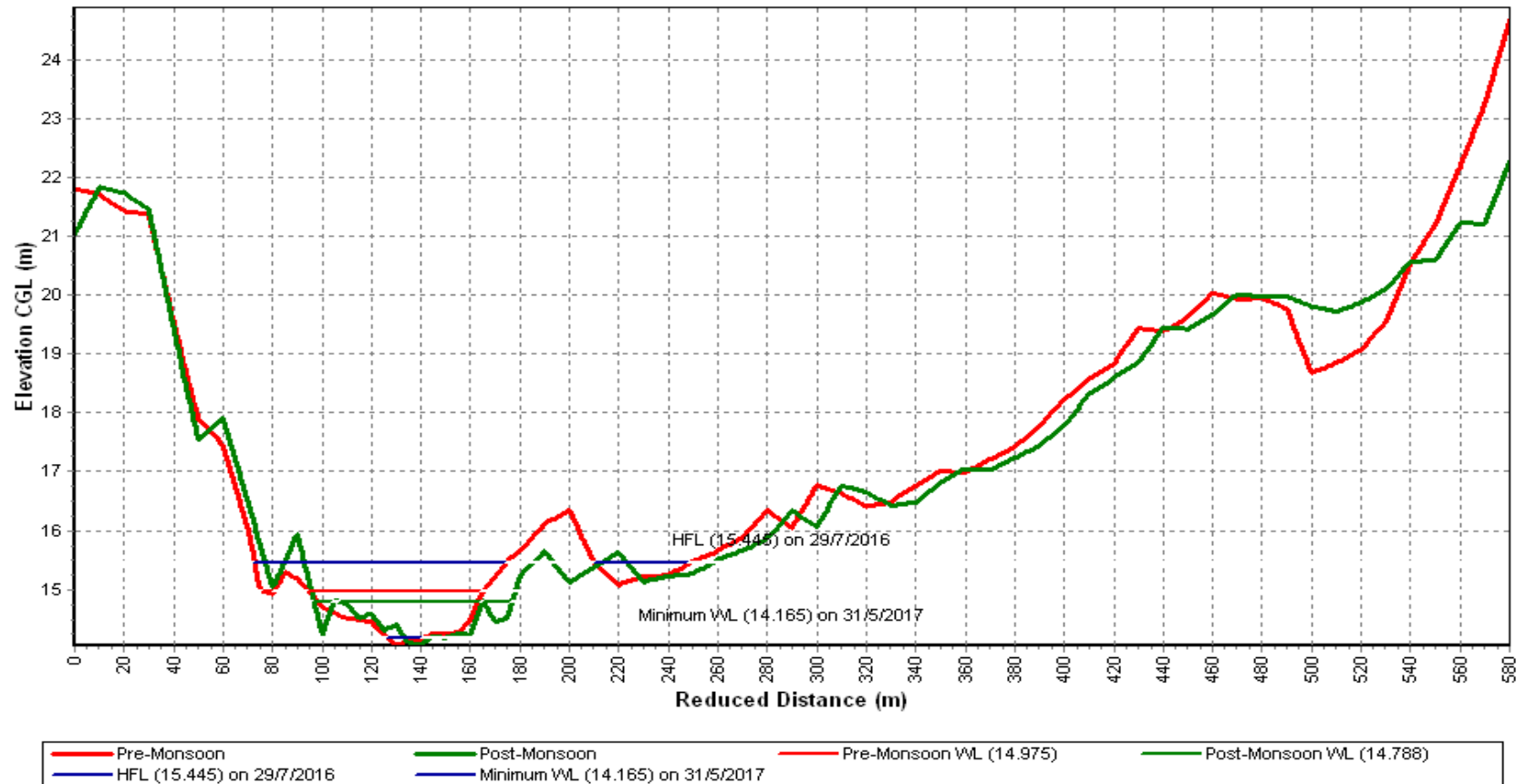
Station Name : MURAPPANADU (CT000H9)

Local River : Tambraparani

Division : SR Division, Coimbatore

Sub-Division : VSD Madurai

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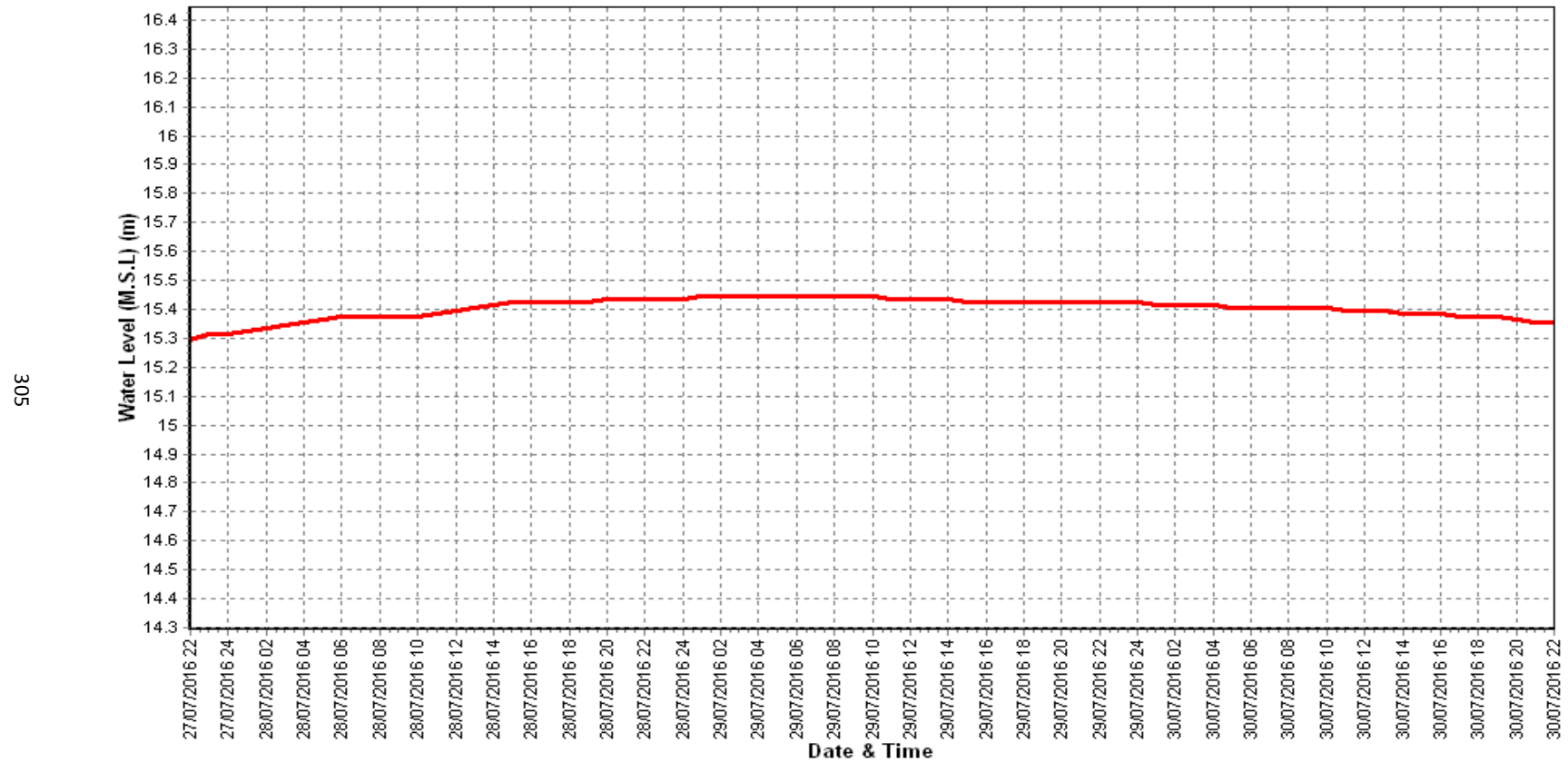
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2016-2017

Station Name : MURAPPANADU (CT000H9)

Local River : Tambraparani

Division : SR Division, Coimbatore

Sub-Division : VSD Madurai



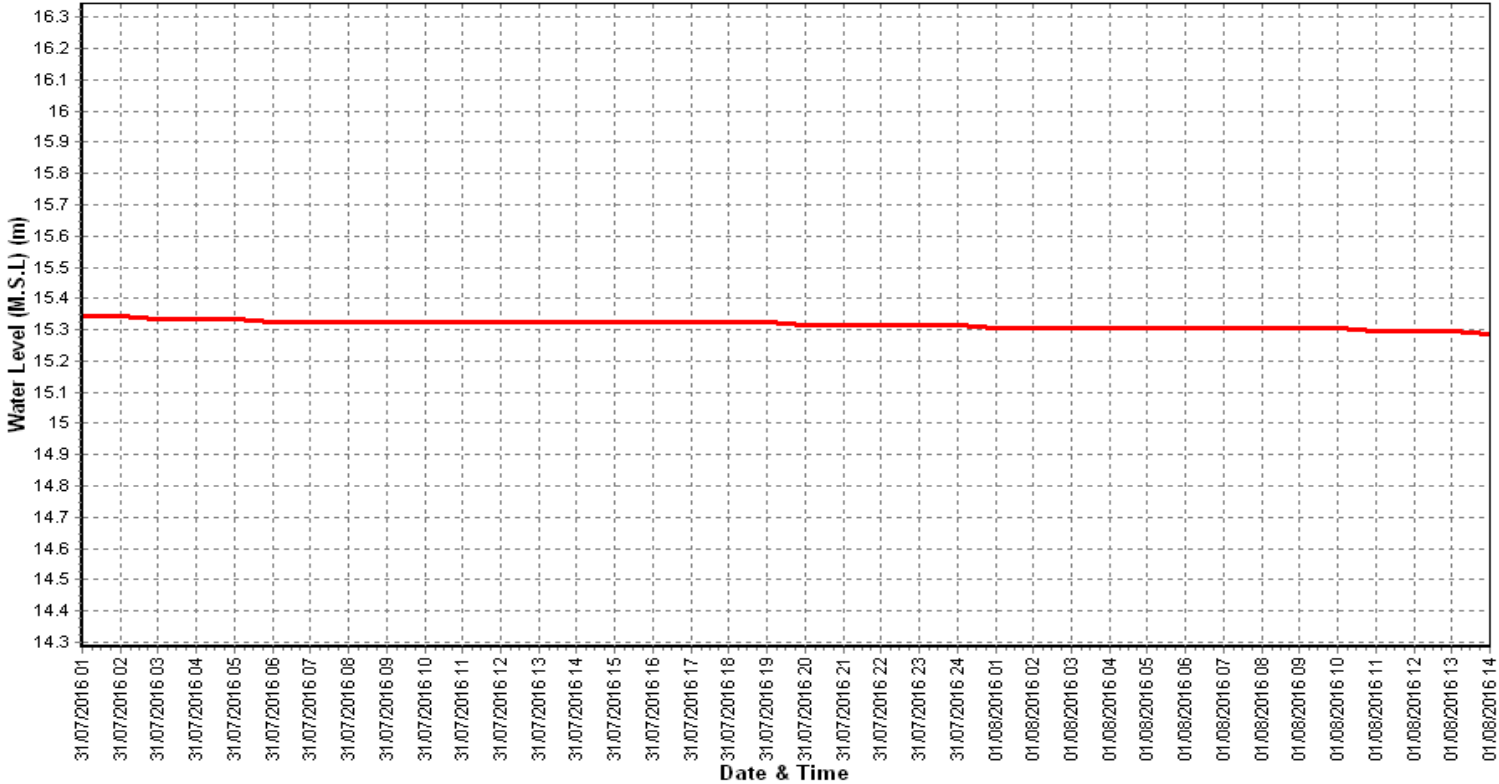
Time Span: 72 Hrs

Station Name : MURAPPANADU (CT000H9)
Local River : Tambraparani

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2016-2017

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

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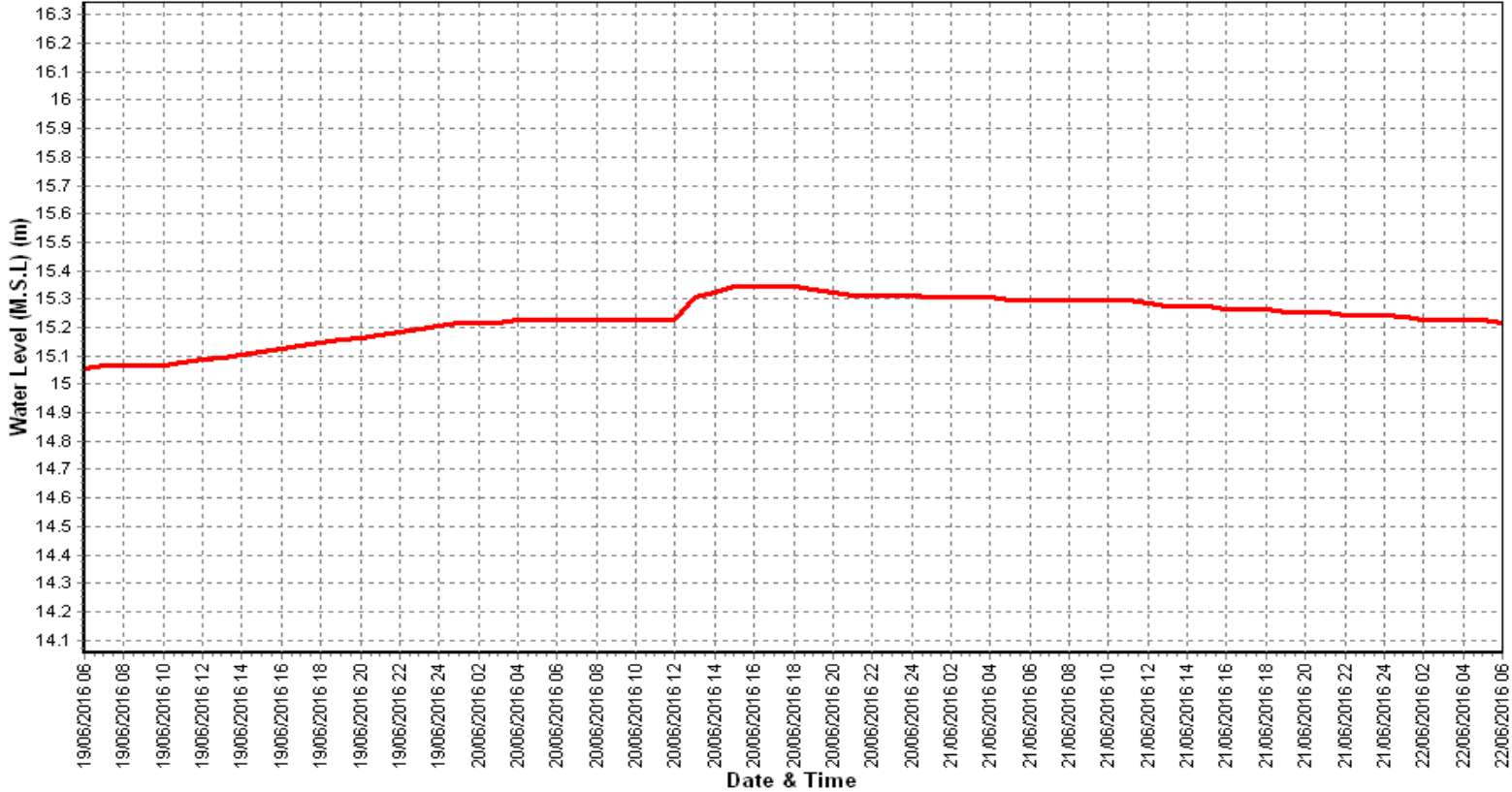
Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2016-2017

Station Name : MURAPPANADU (CT000H9)
Local River : Tambraparani

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

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HISTORY SHEET

Water Year : 2016-2017

Site : A.P.PURAM

Code : CTA00J1

State : Tamil Nadu

District : Tirunelveli

Basin : EFR South of Cauvery

Independent River : Tambraparani

Tributary : Chittar

Sub Tributary : -

Sub-Sub Tributary : -

Local River : Chittar

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

Drainage Area : 1095 Sq. Km.

Bank : Right

Latitude : 08°54'05"

Longitude : 77°38'55"

Zero of Gauge (m) : 63.000 (m.s.l)
61.000 (m.s.l)11/06/1978 - 31/05/1980
01/06/1980

Opening Date

Closing Date

Gauge : 11/06/1978

Discharge : 01/12/1979

Sediment :

Water Quality : 01/06/1993

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1980-1981	30.80	64.475	18/11/1980	0.000	62.830	01/06/1980
1981-1982	14.90	64.220	24/09/1981	0.000	63.095	01/06/1981
1982-1983	3.800	63.880	05/12/1982	0.000	63.130	01/06/1982
1983-1984	228.3	67.215	04/03/1984	0.000	63.070	01/06/1983
1984-1985	1.700	63.935	05/01/1985	0.000	63.872	01/06/1984
1985-1986	0.100	63.875	27/10/1985	0.000	63.805	01/06/1985
1986-1987	0.200	63.865	28/10/1986	0.000	63.720	01/06/1986
1987-1988	67.28	65.090	07/12/1987	0.000	63.805	01/06/1987
1988-1989	0.123	63.490	20/08/1988	0.000	63.535	01/06/1988
1989-1990	151.0	65.953	07/01/1990	0.000	Dry Bed	01/06/1989
1990-1991	53.33	64.900	04/11/1990	0.000	63.370	19./07/1990
1991-1992	20.20	64.650	12/07/1991	0.007	63.320	09/04/1992
1992-1993	423.2	67.823	14/11/1992	0.000	Dry Bed	04/09/1992
1993-1994	70.79	65.318	11/11/1993	0.000	Dry Bed	15/07/1993
1994-1995	26.76	64.790	13/11/1994	0.001	63.850	15/09/1994
1995-1996	20.44	64.710	29/11/1995	0.000	63.720	15/09/1995
1996-1997	0.045	63.900	17/10/1996	0.000	63.580	01/06/1996
1997-1998	181.4	66.220	08/11/1997	0.000	Dry Bed	01/06/1997

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1998-1999	151.6	65.730	12/12/1998	0.000	63.240	24/07/1998
1999-2000	4.518	63.960	23/11/1999	0.000	63.260	05/07/1999
2000-2001	230.8	66.475	02/01/2001	0.000	63.140	01/07/2000
2001-2002	70.83	65.190	09/07/2001	0.000	63.135	04/09/2001
2002-2003	0.117	63.400	10/11/2002	0.000	Dry Bed	01/06/2002
2003-2004	0.008	63.210	15/11/2003	0.000	Dry Bed	01/06/2003
2004-2005	81.89	65.200	16/11/2004	0.000	Dry Bed	01/06/2004
2005-2006	56.63	65.350	12/12/2005	0.000	63.190	30/06/2005
2006-2007	98.87	66.865	22/11/2006	0.000	63.210	24/07/2006
2007-2008	112.3	65.800	21/03/2008	0.000	63.130	28/08/2007
2008-2009	1.804	63.950	12/12/2008	0.000	63.130	22/09/2008
2009-2010	105.0	65.505	09/11/2009	0.000	63.145	26/07/2009
2010-2011	0.096	63.480	29/11/2010	0.000	Dry Bed	28/06/2010
2011-2012	21.64	64.535	27/11/2011	0.000	Dry Bed	01/06/2011
2012-2013	0.057	63.380	30/10/2012	0.000	Dry Bed	23/06/2012
2013-2014	26.51	64.500	08/05/2014	0.000	Dry Bed	01/06/2013
2014-2015	1.548	63.900	10/11/2014	0.000	62.480	01/06/2014
2015-2016	67.53	65.500	24/11/2015	0.000	63.230	21/08/2015

Stage-Discharge Data for the period 2016 - 2017

Station Name : A.P.PURAM (CTA00J1)

Division : SR Division, Coimbatore

Local River : Chittar

Sub-Division : VSD Madurai

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	63.325	0.066	63.300	0.057	63.120	0.000	63.060	0.000	62.925	0.000	62.845	0.000
2	63.315	0.059	63.290	0.052	63.110	0.000	63.055	0.000	62.920	0.000	62.845	0.000
3	63.310	0.057	63.280	0.047 *	63.100	0.000	63.050	0.000	62.915	0.000	62.840	0.000
4	63.305	0.056	63.275	0.048	63.095	0.000	63.045	0.000	62.910	0.000	62.870	0.000
5	63.310	0.059 *	63.265	0.045	63.090	0.000	63.045	0.000	62.905	0.000	62.880	0.000
6	63.295	0.053	63.260	0.043	63.090	0.000	63.035	0.000	62.900	0.000	62.895	0.000
7	63.310	0.056	63.255	0.038 *	63.085	0.000	63.030	0.000	62.890	0.000	62.905	0.000
8	63.300	0.055	63.245	0.036	63.080	0.000	63.020	0.000	62.885	0.000	62.915	0.000
9	63.315	0.058	63.235	0.033	63.085	0.000	63.025	0.000	62.875	0.000	62.925	0.000
10	63.310	0.058	63.230	0.030 *	63.080	0.000	63.020	0.000	62.870	0.000	62.935	0.000
11	63.315	0.060	63.230	0.031	63.070	0.000	63.015	0.000	62.860	0.000	62.940	0.000
12	63.310	0.059 *	63.225	0.031	63.060	0.000	63.010	0.000	62.850	0.000	62.945	0.000
13	63.310	0.057	63.230	0.030	63.065	0.000	63.025	0.000	62.845	0.000	62.950	0.000
14	63.305	0.054	63.225	0.031	63.070	0.000	63.025	0.000	62.850	0.000	62.955	0.000
15	63.310	0.057	63.235	0.033	63.075	0.000	63.015	0.000	62.855	0.000	62.960	0.000
16	63.320	0.061	63.225	0.031	63.080	0.000	63.005	0.000	62.850	0.000	62.965	0.000
17	63.310	0.057	63.225	0.029 *	63.085	0.000	62.995	0.000	62.845	0.000	62.970	0.000
18	63.305	0.054	63.225	0.028	63.080	0.000	62.990	0.000	62.840	0.000	62.960	0.000
19	63.300	0.054 *	63.220	0.026	63.075	0.000	62.985	0.000	62.855	0.000	62.970	0.000
20	63.290	0.053	63.210	0.017	63.070	0.000	62.980	0.000	62.865	0.000	62.975	0.000
21	63.295	0.053	63.200	0.000	63.065	0.000	62.975	0.000	62.875	0.000	62.970	0.000
22	63.305	0.054	63.190	0.000	63.070	0.000	62.970	0.000	62.880	0.000	62.960	0.000
23	63.310	0.057	63.180	0.000	63.075	0.000	62.965	0.000	62.885	0.000	62.950	0.000
24	63.320	0.063	63.170	0.000	63.070	0.000	62.960	0.000	62.895	0.000	62.945	0.000
25	63.325	0.066	63.160	0.000	63.075	0.000	62.955	0.000	62.905	0.000	62.935	0.000
26	63.315	0.061 *	63.155	0.000	63.065	0.000	62.950	0.000	62.880	0.000	62.930	0.000
27	63.305	0.054	63.150	0.000	63.060	0.000	62.945	0.000	62.865	0.000	62.920	0.000
28	63.295	0.053	63.145	0.000	63.055	0.000	62.940	0.000	62.855	0.000	62.910	0.000
29	63.285	0.050	63.140	0.000	63.055	0.000	62.935	0.000	62.850	0.000	62.905	0.000
30	63.295	0.054	63.130	0.000	63.050	0.000	62.930	0.000	62.845	0.000	62.900	0.000
31			63.125	0.000	63.055	0.000			62.840	0.000		
Ten-Daily Mean												
I Ten-Daily	63.309	0.058	63.263	0.043	63.093	0.000	63.039	0.000	62.899	0.000	62.885	0.000
II Ten-Daily	63.307	0.057	63.225	0.029	63.073	0.000	63.004	0.000	62.852	0.000	62.959	0.000
III Ten-Daily	63.305	0.057	63.159	0.000	63.063	0.000	62.953	0.000	62.870	0.000	62.933	0.000
Monthly												
Min.	63.285	0.050	63.125	0.000	63.050	0.000	62.930	0.000	62.840	0.000	62.840	0.000
Max.	63.325	0.066	63.300	0.057	63.120	0.000	63.060	0.000	62.925	0.000	62.975	0.000
Mean	63.307	0.057	63.214	0.023	63.076	0	62.998	0	62.874	0	62.926	0

Annual Runoff in MCM = 0 Annual Runoff in mm = 0

Peak Observed Discharge = 0.066 cumecs on 25/06/2016 Corres. Water Level :63.325 m

Lowest Observed Discharge = 0.000 cumecs on 21/07/2016 Corres. Water Level :63.2 m

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2016 - 2017

Station Name : A.P.PURAM (CTA00J1)

Division : SR Division, Coimbatore

Local River : Chittar

Sub-Division : VSD Madurai

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	62.895	0.000		0.000		0.000		0.000		0.000		0.000
2	62.900	0.000		0.000		0.000		0.000		0.000		0.000
3	62.885	0.000		0.000		0.000		0.000		0.000		0.000
4	62.890	0.000		0.000		0.000		0.000		0.000		0.000
5	62.895	0.000		0.000		0.000		0.000		0.000		0.000
6	62.900	0.000		0.000		0.000		0.000		0.000		0.000
7	62.895	0.000		0.000		0.000		0.000		0.000		0.000
8	62.890	0.000		0.000		0.000		0.000		0.000		0.000
9	62.885	0.000		0.000		0.000		0.000		0.000		0.000
10	62.880	0.000		0.000		0.000		0.000		0.000		0.000
11	62.875	0.000		0.000		0.000		0.000		0.000		0.000
12	62.865	0.000		0.000		0.000		0.000		0.000		0.000
13	62.855	0.000		0.000		0.000		0.000		0.000		0.000
14	62.850	0.000		0.000		0.000		0.000		0.000		0.000
15	62.845	0.000		0.000		0.000		0.000		0.000		0.000
16	62.840	0.000		0.000		0.000		0.000		0.000		0.000
17	62.835	0.000		0.000		0.000		0.000		0.000		0.000
18	62.835	0.000		0.000		0.000		0.000		0.000		0.000
19	62.830	0.000		0.000		0.000		0.000		0.000		0.000
20	62.845	0.000		0.000		0.000		0.000		0.000		0.000
21	62.840	0.000		0.000		0.000		0.000		0.000		0.000
22	62.835	0.000		0.000		0.000		0.000		0.000		0.000
23	62.830	0.000		0.000		0.000		0.000		0.000		0.000
24	62.835	0.000		0.000		0.000		0.000		0.000		0.000
25	62.835	0.000		0.000		0.000		0.000		0.000		0.000
26	62.830	0.000		0.000		0.000		0.000		0.000		0.000
27	62.825	0.000		0.000		0.000		0.000		0.000		0.000
28	62.830	0.000		0.000		0.000		0.000		0.000		0.000
29	62.845	0.000		0.000				0.000		0.000		0.000
30	62.840	0.000		0.000				0.000		0.000		0.000
31	62.835	0.000		0.000				0.000				0.000
Ten-Daily Mean												
I Ten-Daily	62.891	0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily	62.847	0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily	62.835	0.000		0.000		0.000		0.000		0.000		0.000
Monthly												
Min.	62.825	0.000		0.000		0.000		0.000		0.000		0.000
Max.	62.900	0.000		0.000		0.000		0.000		0.000		0.000
Mean	62.857	0		0		0		0		0		0

Peak Computed Discharge = 0.061 cumecs on 26/06/2016

Corres. Water Level :63.315 m

Lowest Computed Discharge = 0.029 cumecs on 17/07/2016

Corres. Water Level :63.225 m

Q:Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

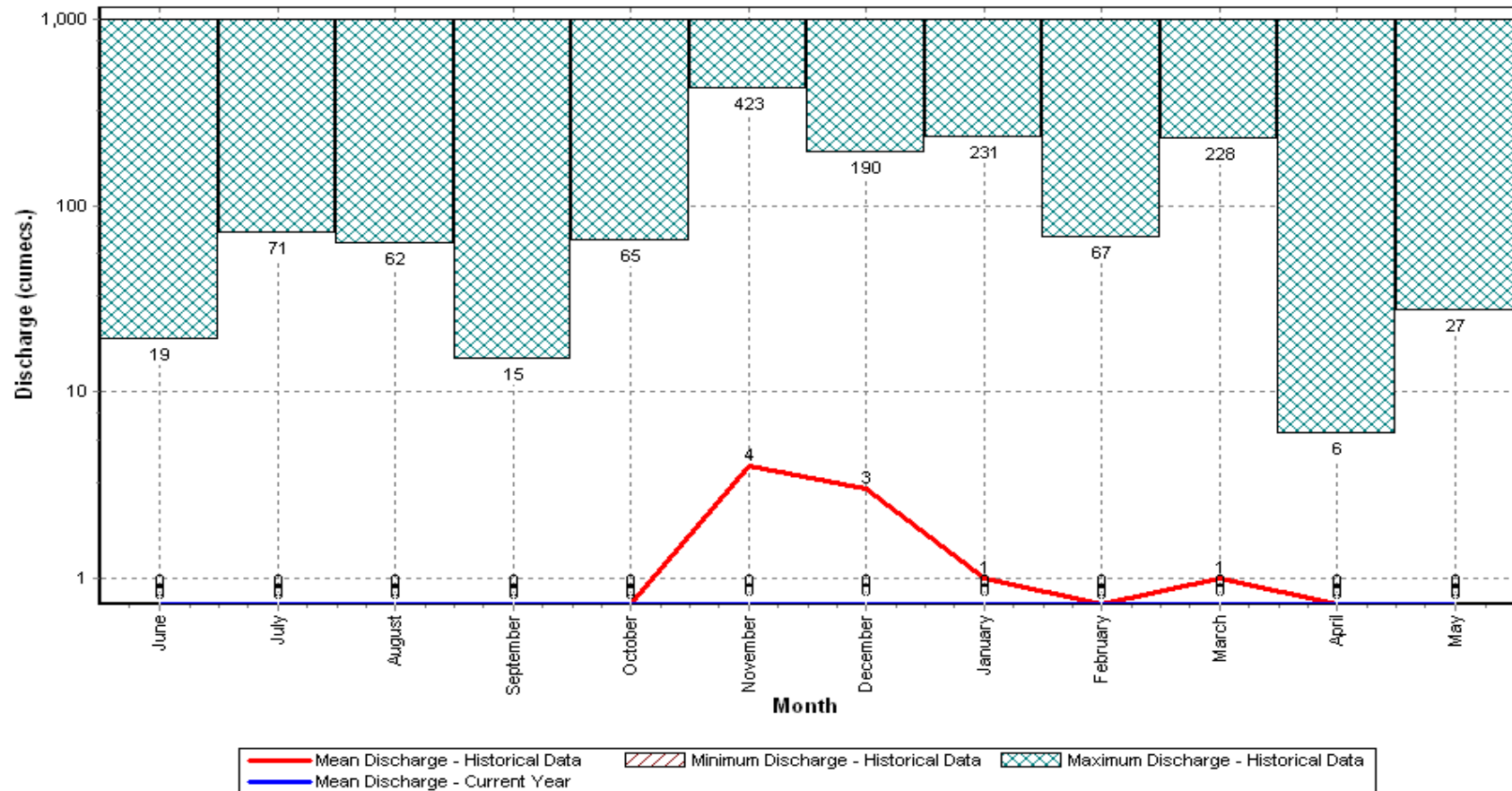
Note:Missing values ignored while arriving at Annual Runoff

Station Name : A.P.PURAM (CTA00J1)
Local River : Chittar

HISTOGRAM - HYDROGRAPH for Water Year : 2016-2017 Data considered : 1980-2017

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

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Annual Runoff Values for the period: 1980 - 2017

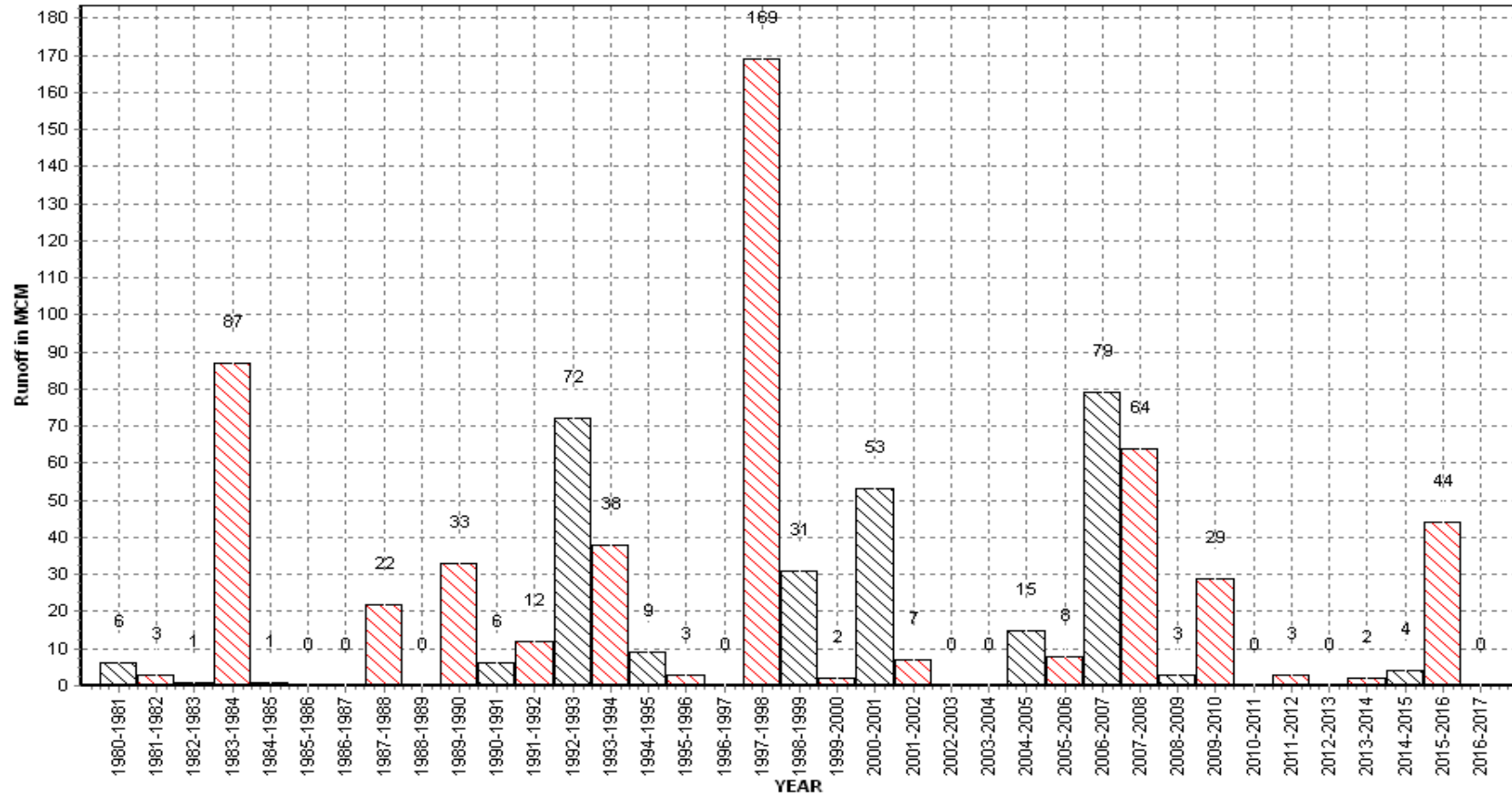
Station Name : A.P.PURAM (CTA00J1)

Local River : Chittar

Division : SR Division, Coimbatore

Sub-Division : VSD Madurai

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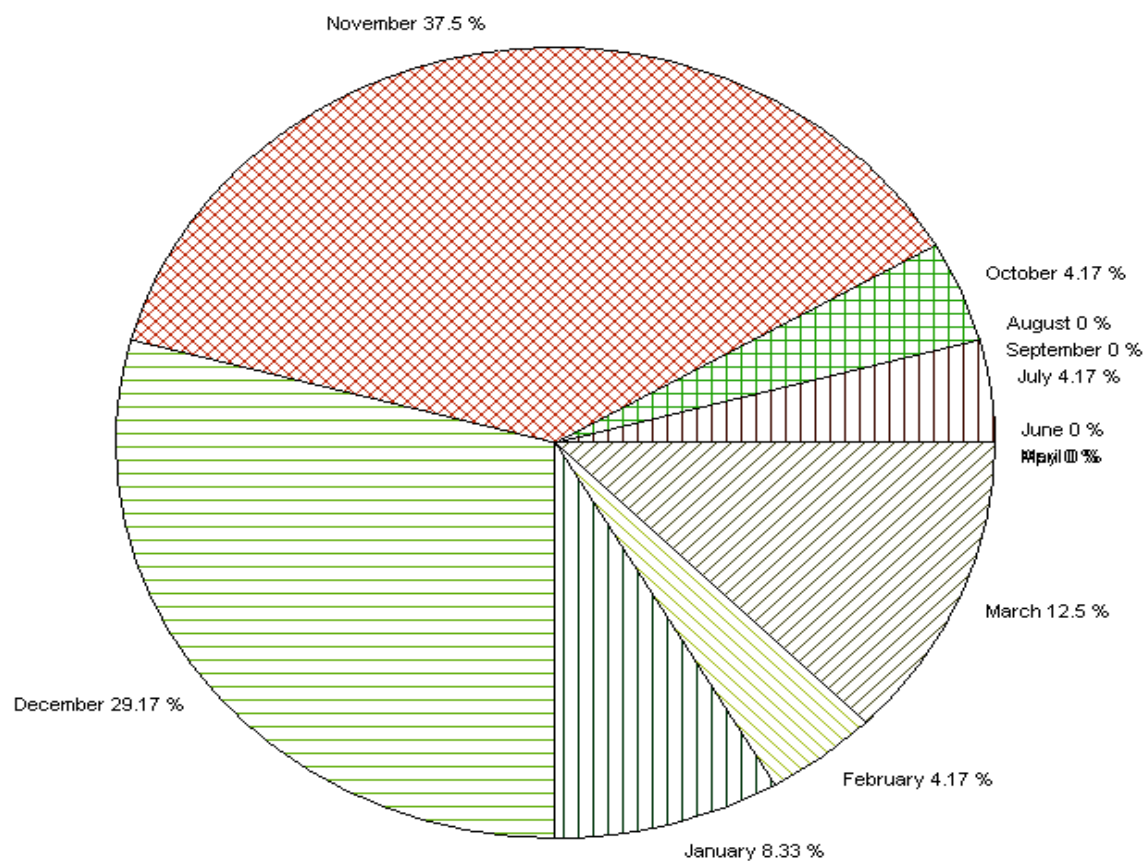


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : A.P.PURAM (CTA00J1)
Local River : Chittar

Monthly Average Runoff based on period : 1980-2016

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai



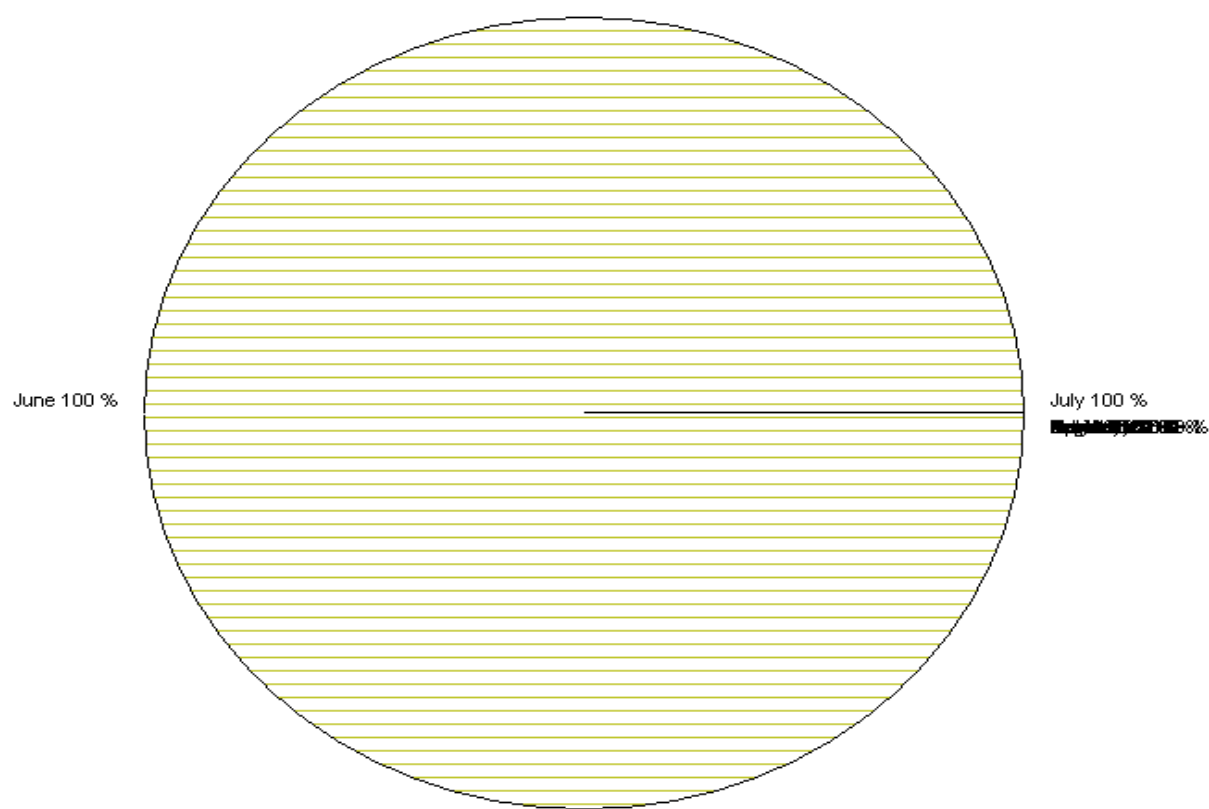
June	0 %
July	4.17 %
August	0 %
September	0 %
October	4.17 %
November	37.5 %
December	29.17 %
January	8.33 %
February	4.17 %
March	12.5 %
April	0 %
May	0 %

Monthly Runoff for the Year : 2016-2017

Station Name : A.P.PURAM (CTA00J1)
Local River : Chittar

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

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Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2016-2017

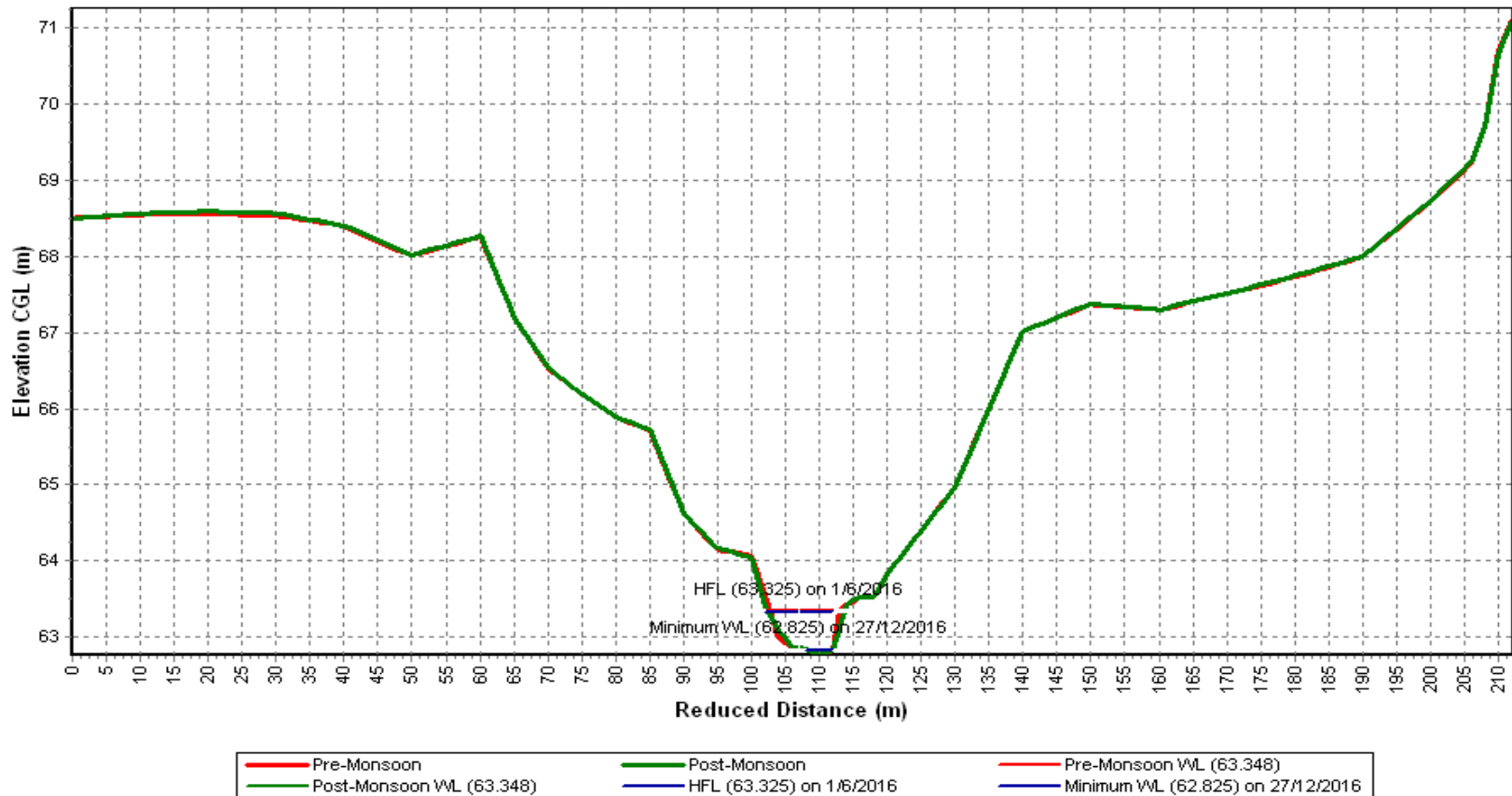
Station Name : A.P.PURAM (CTA00J1)

Local River : Chittar

Division : SR Division, Coimbatore

Sub-Division : VSD Madurai

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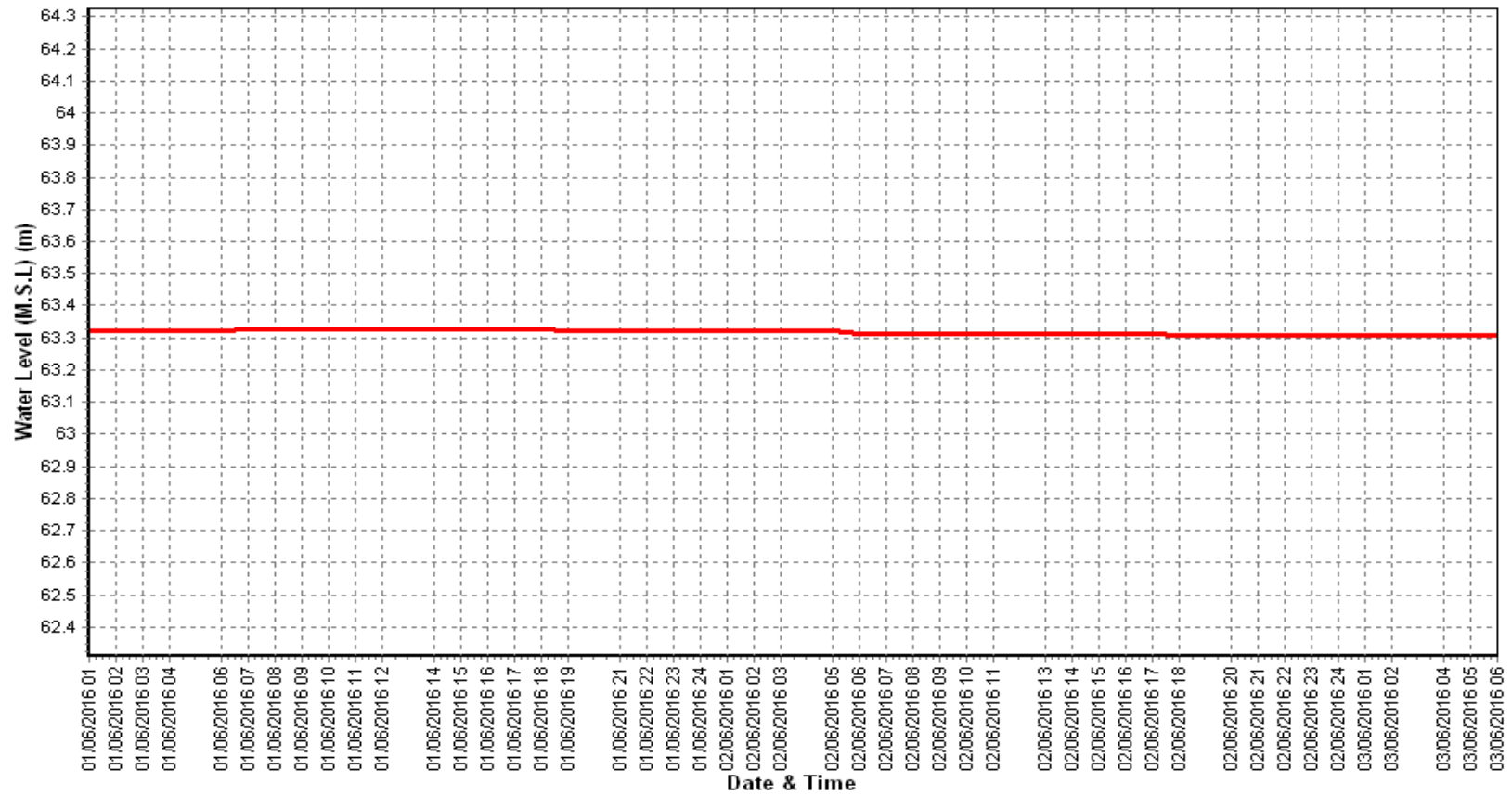
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2016-2017

Station Name : A.P.PURAM (CTA00J1)

Local River : Chittar

Division : SR Division, Coimbatore

Sub-Division : VSD Madurai



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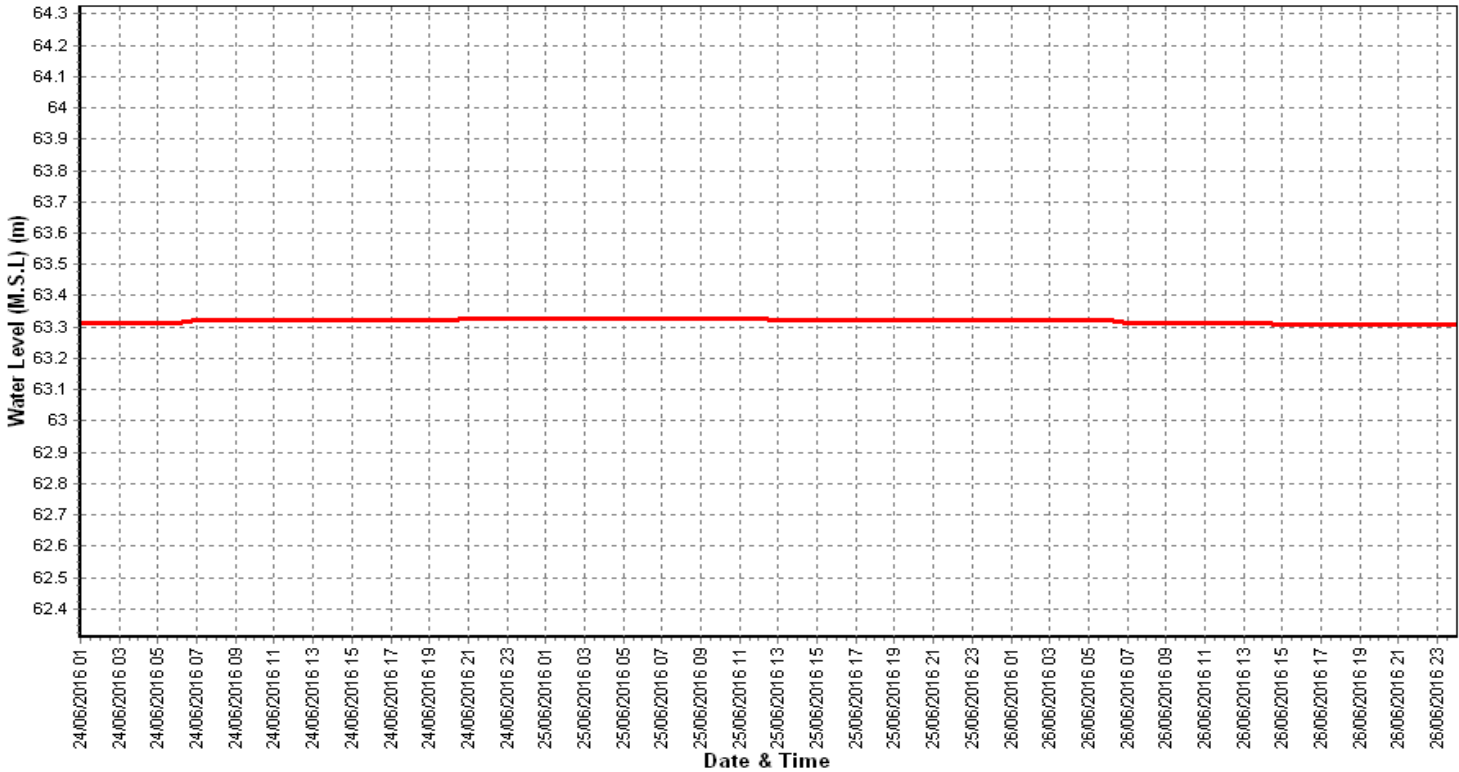
Time Span: 72 Hrs

Station Name : A.P.PURAM (CTA00J1)
Local River : Chittar

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2016-2017

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

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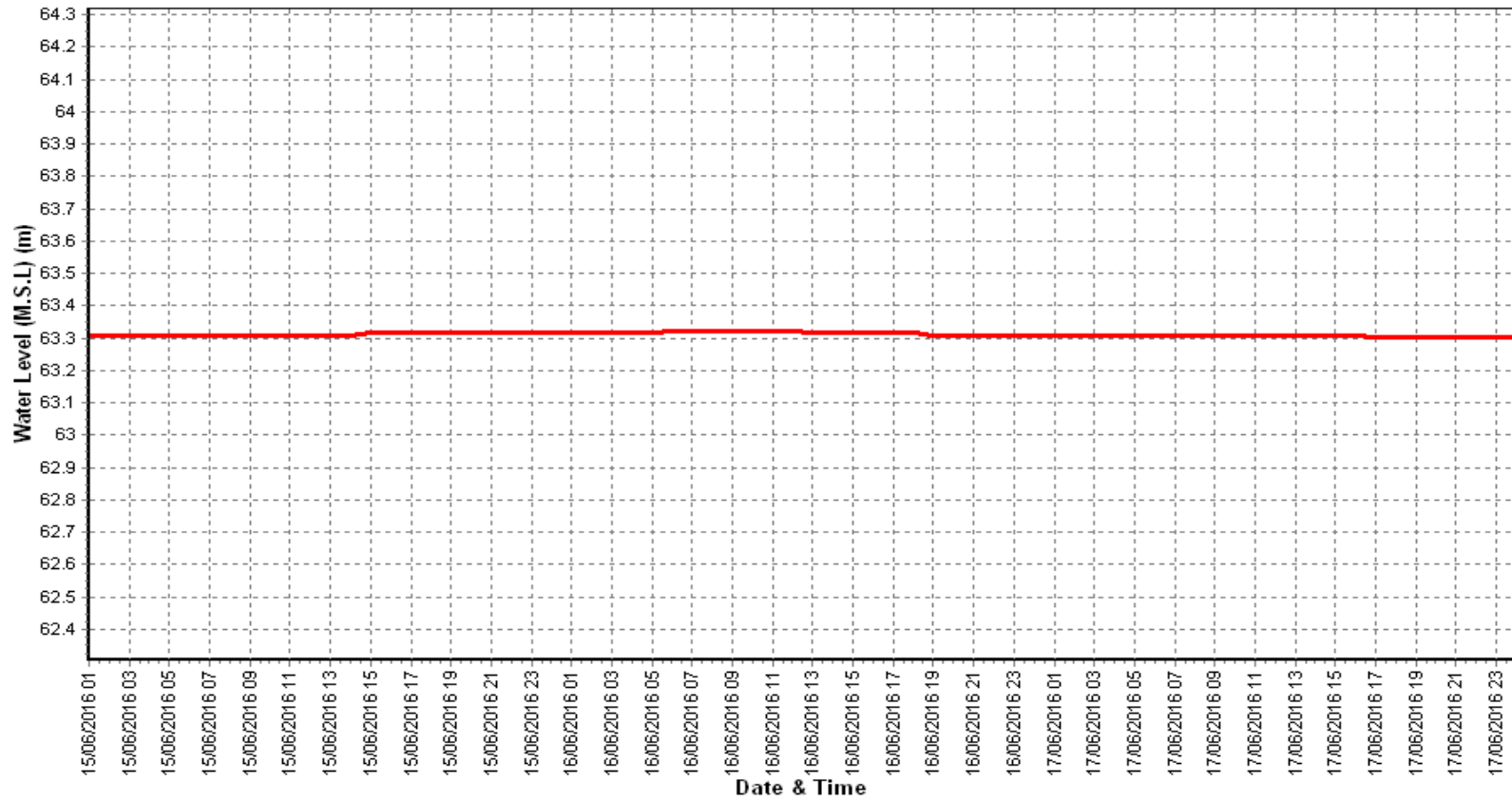
Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2016-2017

Station Name : A.P.PURAM (CTA00J1)
Local River : Chittar

Division : SR Division, Coimbatore
Sub-Division : VSD Madurai

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Time Span: 72 Hrs

Annexure-II

DETAILS OF IMPORTANT PROJECTS IN GUNDLAKAMMA BASIN

Sl.No	Name of Project	River	Status	Capacity in MCM		Utilisation in MCM	
				Gross	live	Designed	Actual
1	<u>Major Projects</u>	Nil					
	<u>Medium Projects</u>						
2	Gumbum tank	Gundlakamma	Completed	-	-	19.67	33.99
	Markpur tank	Gundlakamma	Completed	-	-	8.75	5.71

Annexure -III

DETAILS OF IMPORTANT PROJECTS IN PENNAR BASIN

Sl.No	Name of Project	River	Status	Capacity in MCM		Utilisation in MCM
				Gross	live	
1	Jayamangali Anicut	Jayamangali	Completed	-	-	-
2	Garudachala Project	-do-	-do-	-	-	-
3	Pennar Kumudavathi Project	Pennar	-do-	-	-	-
4	Uttara Pinakini Project	-do-	-do-	-	-	-
5	Upper Pennar Project	-do-	-do-	51.28	44.57	-
6	Pennar Ahobilam balancing Reservoir	-do-	-do-	314.32	304.97	-
7	Mid-Pennar Project	-do-	-do-	146.67	144.69	-
8	Vidyaranyaswamygudi Project	Chitravathi	-do-	-	-	-
9	Chitravathi Anicut	Chitravathi	-do-	-	-	-
10	Pulivandala Reservoir	-do-	-do-	282.0	282.0	282.0
11	Mylavaram Reservoir	Pennar	-do-	282.56	254.31	-
12	Santajutur Anicut	Galeru	-do-	-	-	-
13	Jurreru Reservoir	Kunderu	-do-	7.53	7.05	-
14	Rajoli Anicut	Kunderu	-do-	-	-	-
15	Chennarayaswamygudi Anicut	Papagini	-do-	-	-	-
16	Pedderu Reservoir Stage I	Pedderu	-do-	20.38	14.98	-
17	Adinimmayapalli Anicut	Pennar	-do-	-	-	-

**Annexure –III
(Contd..)**

DETAILS OF IMPORTANT PROJECTS IN PENNAR BASIN

Sl.No	Name of Project	River	Status	Capacity in MCM		Utilisati on in MCM
				Gross	live	
18	Buggavanka Project	Buggavanka	Completed	14.32	12.04	-
19	Upper Sagileru Project	Sagileru	-do-	2.00	2.00	-
20	Lower Sagileru Project	-do-	-do-	4.78	4.69	-
21	Bahuda Reservoir	Bahuda	-do-	14.06	13.35	-
22	Siddalagandi Project	Siddalagandi	-do-	-	-	-
23	Pincha Project	Pincha	-do-	9.25	9.12	9.12
24	Annamaiah Project	Cheyzeru	-do-	63.16	44.58	44.58
25	Somasila Reservoir	Pennar	-do-	-	-	-
26	Sangam Anicut	-do-	-do-	-	-	-
27	Nellore Anicut	-do-	-do-	-	-	-
28	Maddileru Project	Maddileru	-do-	-	-	-
29	Veligallu Reservoir	Papagni	-do-	131.65	95.13	95.62
30	Araniar Reservoir	Araniar	-do-	52.48	51.69	-
31	Gandipalem Reservoir	Manneru	-do-	66.39	61.62	-
32	Swarnamukhi Anicut	Swarnamukhi	-do-	-	-	-
33	Kalangi Reservoir	Kalangi	-do-	6.82	6.79	-
34	Taniyali Reservoir	Kaler	-do-	-	-	-

Annexure -IV

DETAILS OF IMPORTANT PROJECTS IN PALAR BASIN

Sl.No	Name of Project	River	Status	Capacity in MCM		Utilisation in MCM
				Gross	live	
1	Poiney Anicut	Poiney	Completed	-	-	-
2	Palar Anicut	Palar	-do-	-	-	-
3	Chengam Anicut	Cheyyar	-do-	-	-	-
4	Aliabad Anicut	-do-	-do-	-	-	-
5	Sathiya Vija Nagram Anicut	-do-	-do-	-	-	-
6	Cheyyar Anicut	-do-	-do-	-	-	-
7	Thandari Anicut	-do-	-do-	-	-	-
8	Uttiramerur Anicut	-do-	-do-	-	-	-
9	Mordhana Reservoir	Palar	-do-	7.40	7.40	-
10	Rajathopekanar Reservoir	Palar	-do-	0.58	0.58	-

Annexure - V

DETAILS OF IMPORTANT PROJECTS IN PONNAIYAR BASIN

Sl.No	Name of Project	River	Status	Capacity in MCM		Utilisation in MCM
				Gross	live	
1	Krishnagiri Reservoir	Ponnaiyar	Completed	66.10	66.10	-
2	Sathanur Reservoir	-do-	-do-	228.91	228.91	-
3	Pambar Reservoir	Pambar	-do-	7.93	7.02	-
4	Vaniar Reservoir	Vaniar	-do-	11.84	11.78	-
5	Thambalahalli Reservoir	Pullambatti	-do-	3.68	3.68	-
6	Kelavarapalli Reservoir	Ponnaiyar	-do-	13.22	13.22	-
7	Sornavur Anicut	-do-	-do-	-	-	-
8	Ellis Choultry Anicut	-do-	-do-	-	-	-
9	Tirukoyilur Anicut	-do-	-do-	-	-	-
10	Sathanur Pickup Weir	-do-	-do-	-	-	-
11	Ichambadi Anicut	-do-	-do-	-	-	-
12	Shoolagiri Chinnar Reservoir	Shoolagiri Chinnar	-do-	3.30	2.30	-

Annexure - VI

DETAILS OF IMPORTANT PROJECTS IN VELLAR BASIN

Sl.No	Name of Project	River	Status	Capacity in MCM		Utilisation in MCM
				Gross	live	
1	Sethiathope Anicut	Vellar	Completed	-	-	-
2	Pelandurai Regulator	Periya Odai	-do-	-	-	-
3	Tholudur Anicut	Periya Odai	-do-	-	-	-
4	Manimukthanadhi Reservoir	Manimukthanadhi	-do-	20.62	20.62	-
5	Gomukhinadhi Reservoir	Gomukhinadhi	-do-	15.86	15.86	-
6	Mehamathur Anicut	Manimukthanadhi	-do-	-	-	-
7	Virudhachalam Anicut	Manimukthanadhi	-do-	-	-	-
8	Willington Reservoir	Periya Odai	-do-	73.40	60.01	-
9	Anaimaduvu Reservoir	Anaimaduvu	-do-	7.56	7.42	-
10	Kariakoil Reservoir	Kariakoil	-do-	5.38	5.38	-

Annexure - VII

DETAILS OF IMPORTANT PROJECTS IN VAIGAI BASIN

Sl · N o	Name of Project	River	Status	Capacity in MCM		Utilisation in MCM
				Gross	live	
1	Surplus Weir of Ramnad	Vaigai Big Tank	Completed	-	-	-
2	Parthibanur Regulator	-do-	-do-	-	-	-
3	Virahanaur Regulator	-do-	-do-	-	-	-
4	Perani Regulator	-do-	-do-	-	-	-
5	Marudhanadhi Reservoir	Marudhanadhi	-do-	4.93	4.93	-
6	Manjalar Reservoir	Manjalar	-do-	13.48	13.48	-
7	Vaigai Reservoir	Vaigai	-do-	194.78	193.84	-
8	Palanichettipatty Anicut	Suruliyar	-do-	-	-	-
9	Sothuparai Reservoir	Varahanadhi	-do-	2.83	2.83	-

Annexure - VIII

DETAILS OF IMPORTANT PROJECTS IN VAIPPAR BASIN

Sl. No	Name of Project	River	Status	Capacity in MCM		Utilisation in MCM
				Gross	live	
1	Periyar Reservoir	Periyar	Completed	443.49	299.31	-
2	Kovilar Reservoir (Pillavukkal Scheme)	Kovilar	-do-	3.77	3.77	-
3	Vembakottai Reservoir	Vaippar	-do-	11.29	11.29	-
4	Kullursandai Reservoir	Vaippar	-do-	3.59	3.59	-
5	Golwarpatti Reservoir	Arjunanadhi	-do-	5.04	4.98	-
6	Anaikuttam Reservoir	Arjunanadhi	-do-	6.602	3.56	-

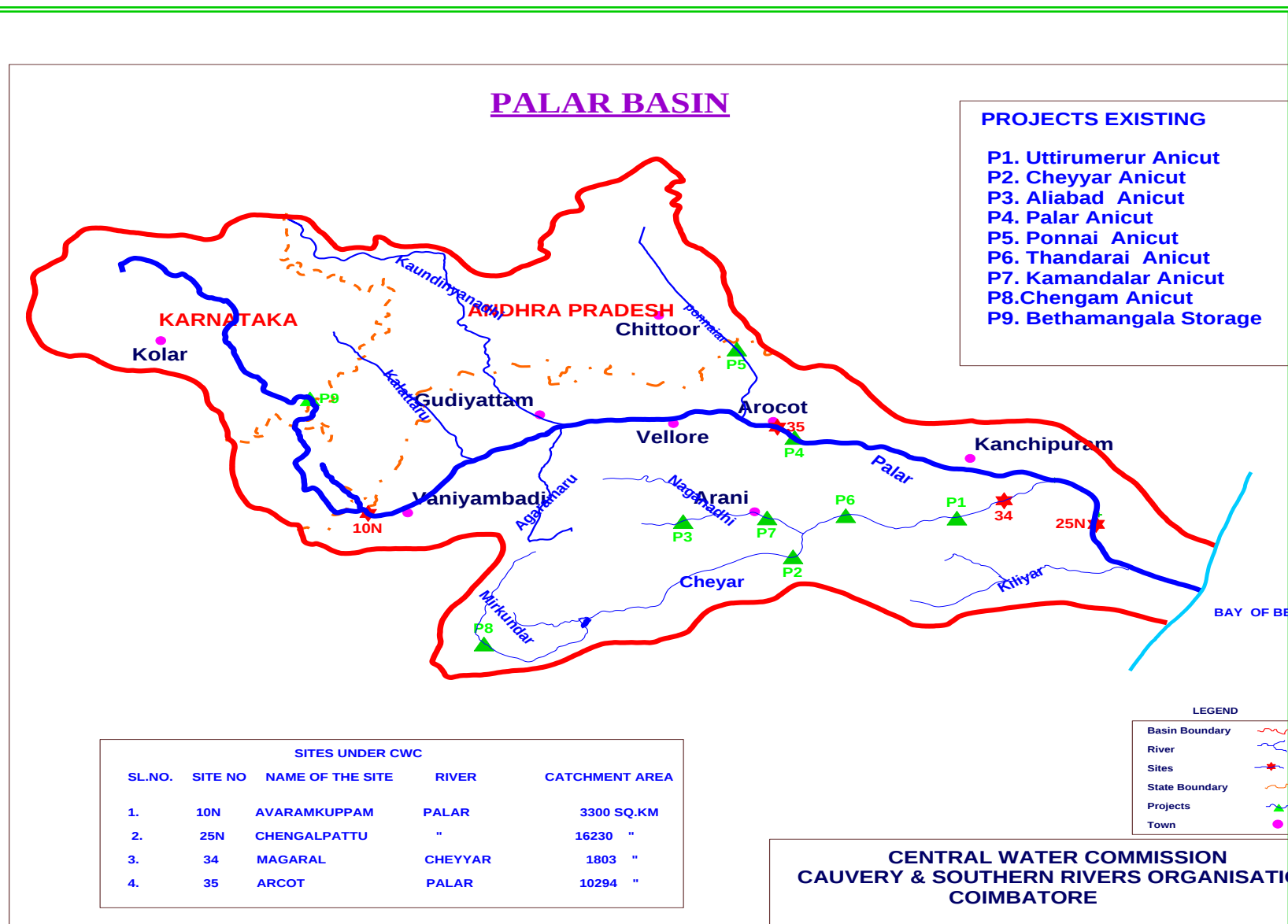
Annexure –IX

DETAILS OF IMPORTANT PROJECTS IN TAMBRAPARANI BASIN

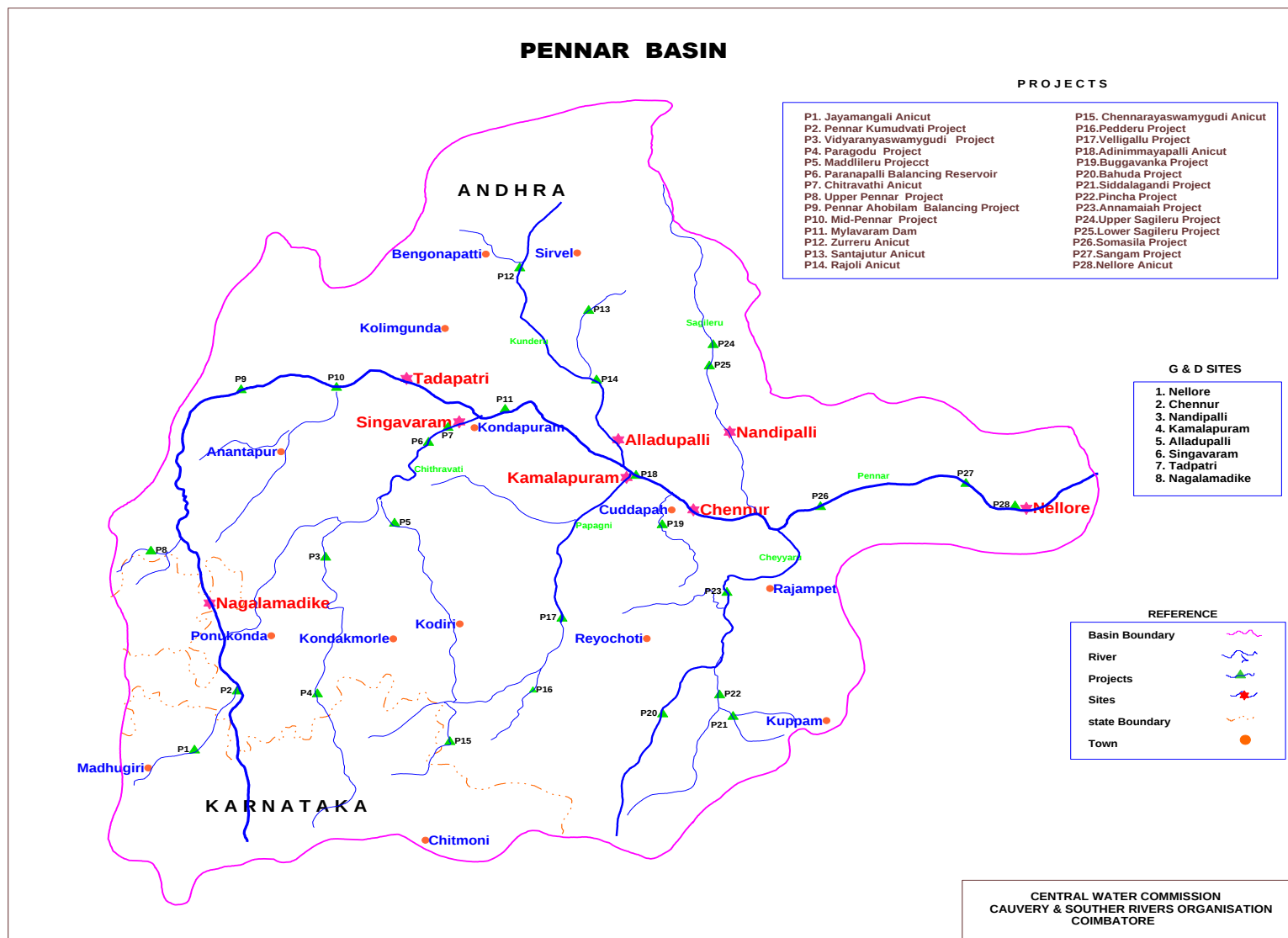
Sl.No	Name of Project	River	Status	Capacity in MCM		Utilisaon in MCM
				Gross	live	
1	Kodamelalagian Anicut	Tambraparani	Completed	-	-	-
2	Nathiyunni Anicut	-do-	-do-	-	-	-
3	Kannadian Anicut	-do-	-do-	A	-	-
4	Ariyanayagipuram Anicut	-do-	-do-		-	-
5	Pavoor Anicut	-do-	-do-		-	-
6	Suthamali Anicut	-do-	-do-		-	-
7	Marudur Anicut	-do-	-do-		-	-
8	Srivaikuntam Anicut	-do-	-do-	-	-	-
9	Thalai Anicut	Chittar	-do-	-	-	-
10	Adivattamparai Anicut	-do-	-do-	(Contd.)		-
11	Valvilangudi Anicut	-do-	-do-	-	-	-
12	Puliyur Anicut	-do-	-do-	-	-	-
13	Melpavoor Anicut	-do-	-do-	-	-	-
14	Thiruchitrambalam Anicut	-do-	-do-	-	-	-
15	Murandai Anicut	-do-	-do-	-	-	-

DETAILS OF IMPORTANT PROJECTS IN TAMBRAPARANI BASIN

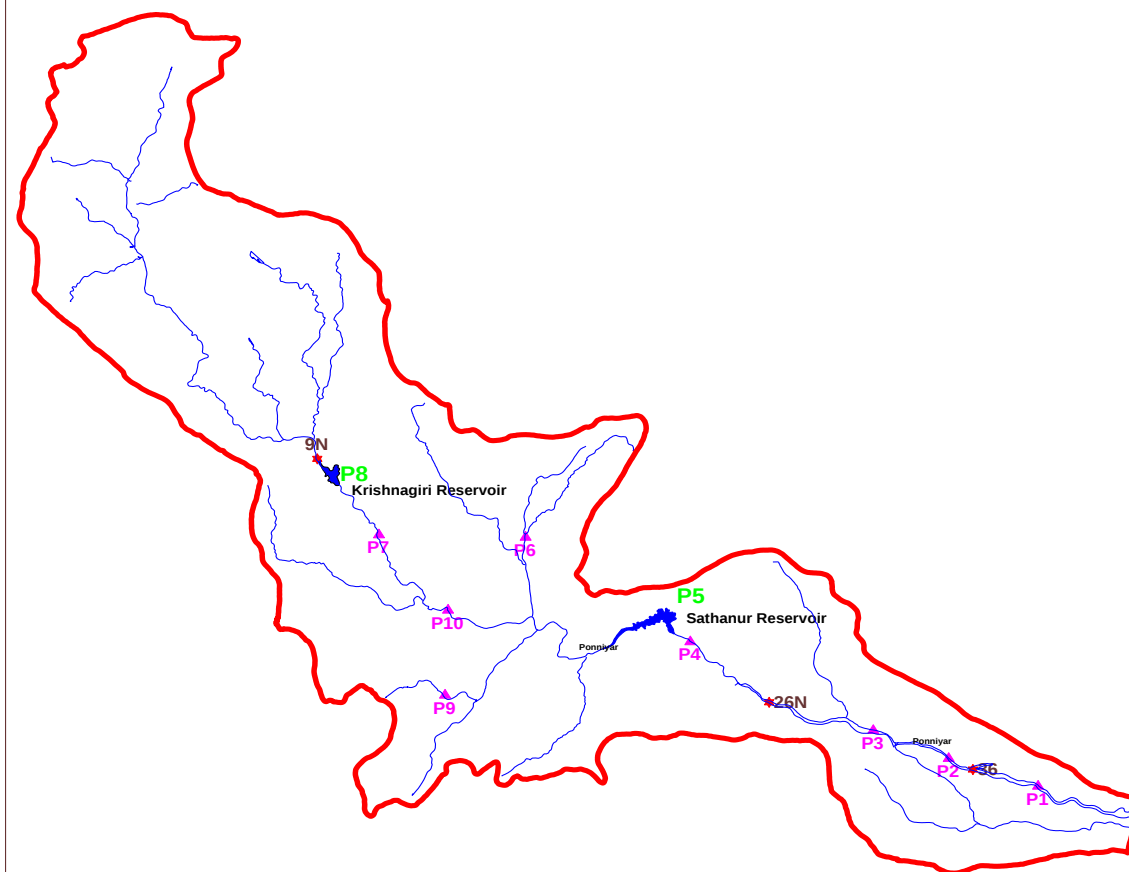
Sl.No	Name of Project	River	Status	Capacity in MCM		Utilisation in MCM
				Gross	live	
16	Manur Anicut	Chittar	Completed	-	-	-
17	Nettur Anicut	-do-	-do-	-	-	-
18	Pallikottai Anicut	-do-	-do-	-	-	-
19	Ukkiran kottai Anicut	-do-	-do-	-	-	-
20	Alagia Pandiyapuram Anicut	-do-	-do-	-	-	-
21	Pillayarkulam Anicut	-do-	-do-	-	-	-
22	Seliyanallur Anicut	-do-	-do-	-	-	-
23	Pirancheri Anicut	-do-	-do-	-	-	-
24	Gangai Kondan Anicut	-do-	-do-	-	-	-
25	Manimuthar Reservoir Manimuthar	Manimuthar	-do-	156.07	156.07	-
26	Gatana Reservoir	Gatana nadhi	-do-	9.97	9.97	-
27	Ramanadhi Reservoir Ramanadhi	Ramanadhi	-do-	4.30	4.30	-
28	Karuppanadhi Reservoir	Karuppanadha	-do-	5.24	5.24	-
29	Gundar Reservoir	Gundar	-do-	0.71	0.71	-



PENNAR BASIN



PONNAIYAR BASIN



PROJECTS(EXISTING)

- P1. Sornavur Anicut
- P2. Ellischoultry Anicut
- P3. Tirukoyilur Anicut
- P4. Sathanur Anicut
- P5. Sattanur Reservoir
- P6. Pamba Anicut
- P7. Nedungal Anicut
- P8. Krishnagiri Reservoir

PROJECTS UNDER EXCUTION

- P9. Vaniyar Reservoir
- P10. Ichmbadi Anicut

G & D SITES UNDER STATE PWD

- P2. Ellischoultry Anicut
- P3. Tirukoyilur Anicut
- P4. Sattanur Anicut
- P5. Sattanur Reservoir
- P6. Pamba Anicut
- P7. Nedungal Anicut
- P8. Krishnagiri Reservoir
- P10. Ichmbadi Anicut

SITES UNDER CWC

River : Ponnaiyar
Site No. 9N Gummanur
Catchment Area: 4,620 Sq.Km

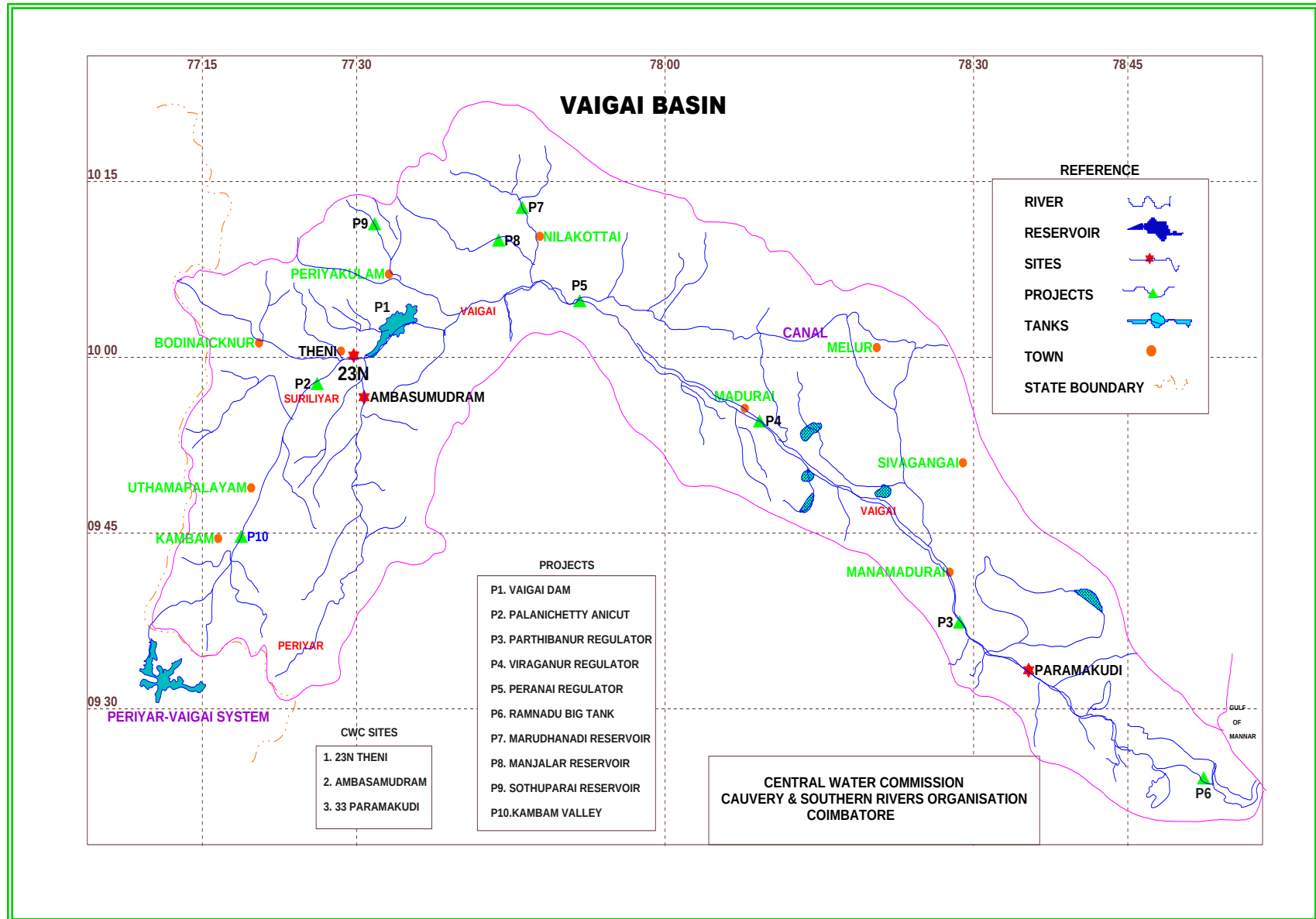
Site no. 26N Vazhavachanur
Catchment Area: 10,780 Sq.Km

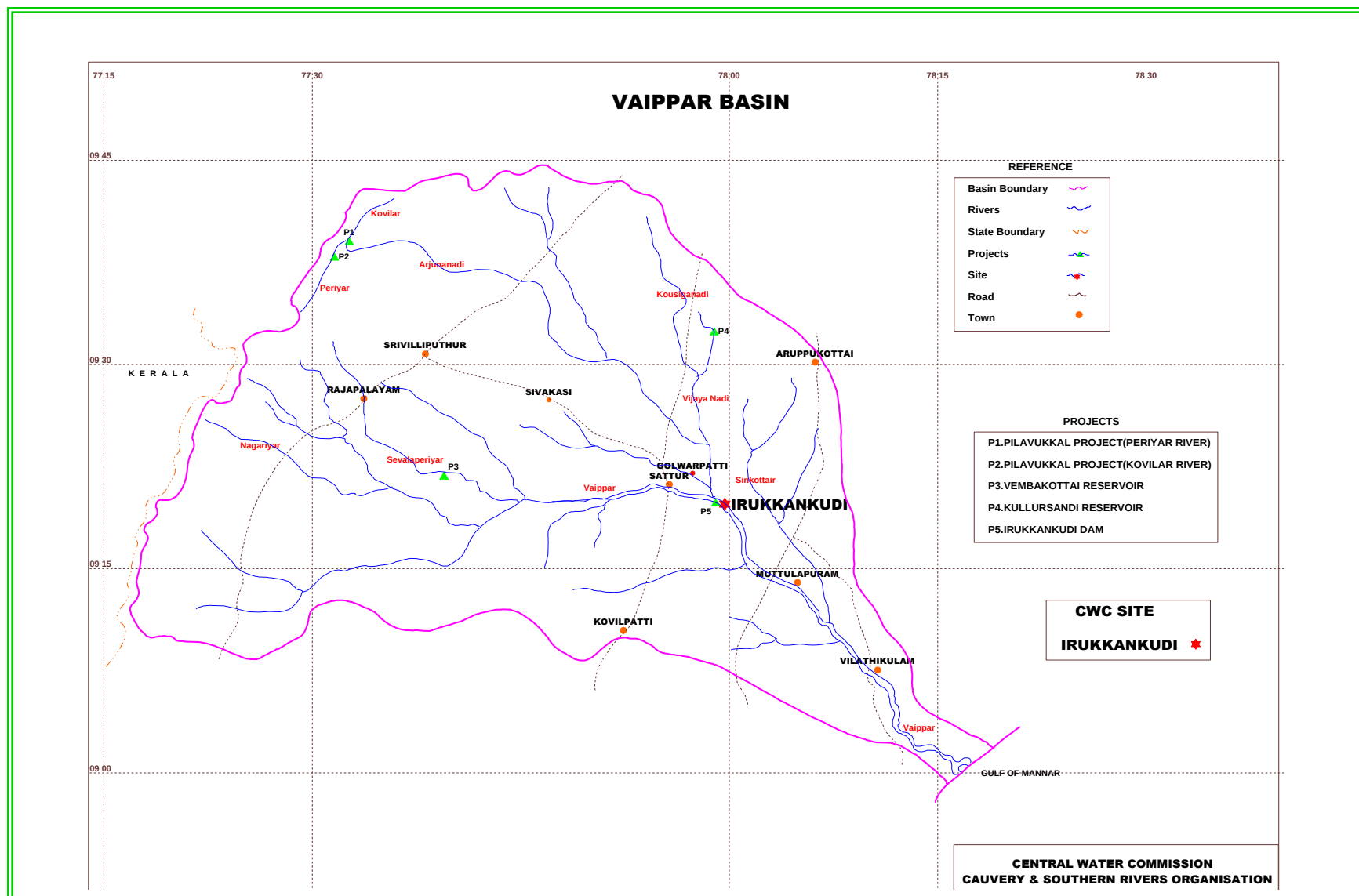
Site No. 36 Villupuram
Catchment Area: 12,900 Sq.Km

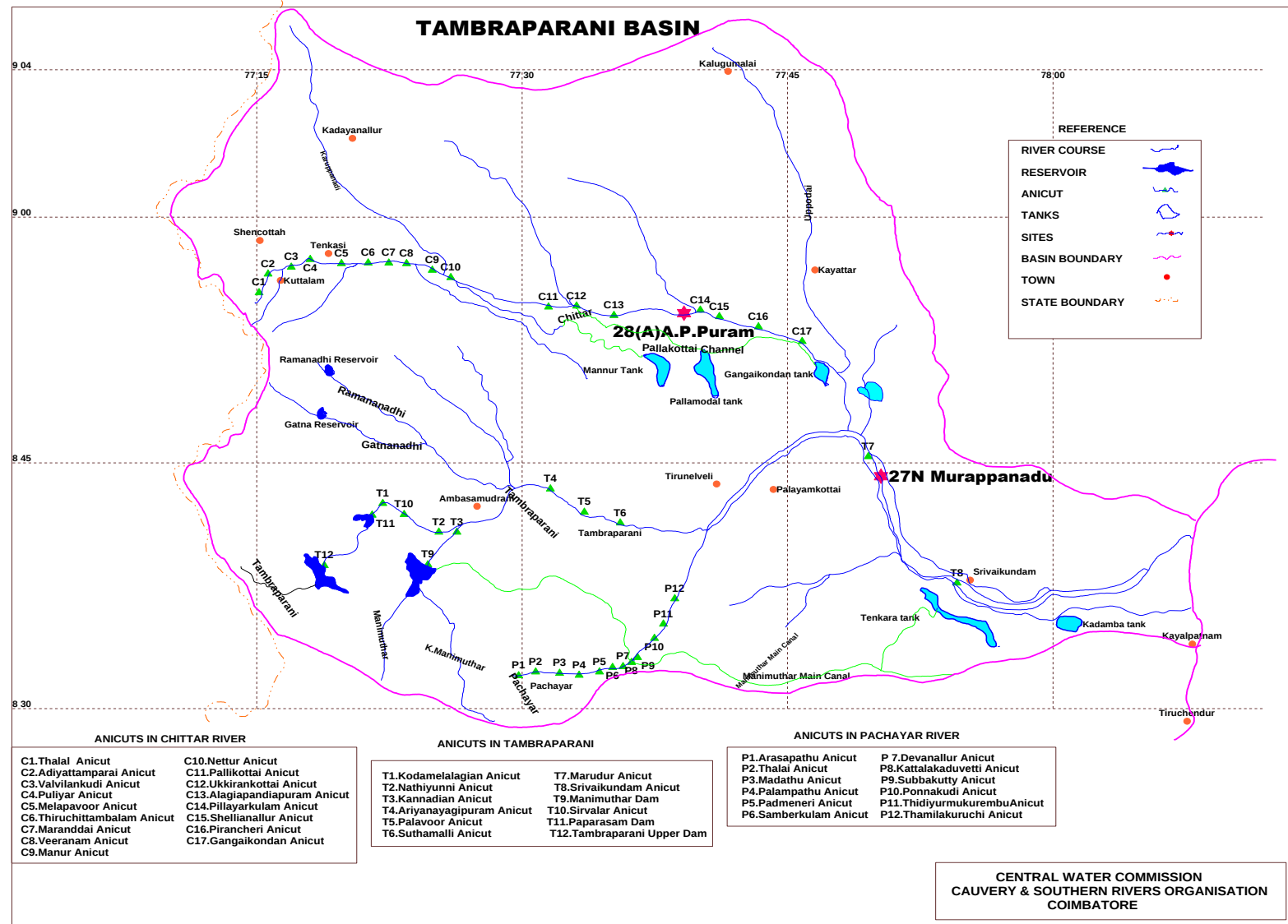
REFERENCE

RIVER COURSE		
RESERVOIR		
ANICUT/WEIR/DAM		
SITES UNDER CWC		
BASIN BOUNDARY		
STATE BOUNDARY		
TOWN		

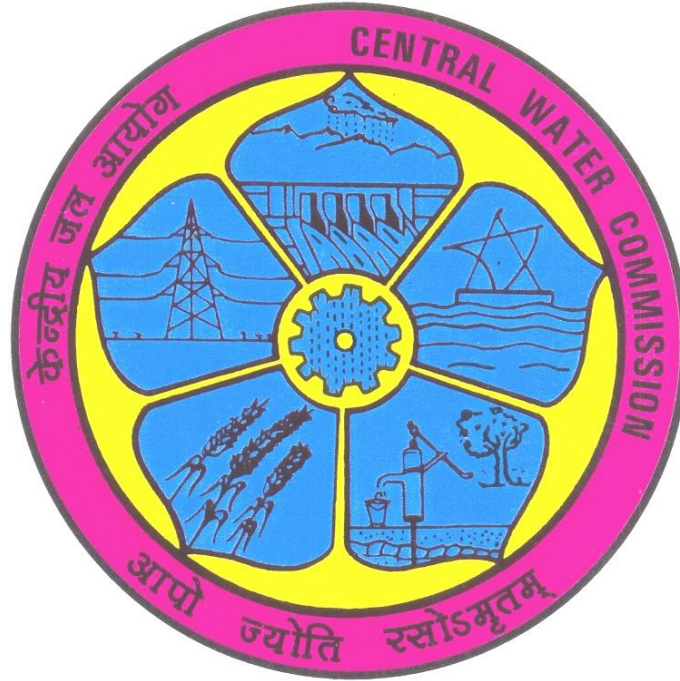
CENTRAL WATER COMMISSION
CAUVERY & SOUTHERN RIVERS ORGANISATION
COIMBATORE







वार्षिक जल पुस्तिका
WATER YEAR BOOK
(जून 2016 – मई 2017)
(JUNE 2016 - MAY 2017)
पूरब प्रवाही नदियाँ बेसिन
EAST FLOWING RIVERS BASIN
निलंबित गाद आँकड़ा
Suspended Sediment Data



कावेरी एवं दक्षिणी नदियाँ परिमण्डल, बेंगलूरु
CAUVERY & SOUTHERN RIVERS CIRCLE, BENGALURU
कावेरी एवं दक्षिणी नदियाँ संगठन, कोयंबतूर
CAUVERY & SOUTHERN RIVERS ORGANISATION, COIMBATORE
जनवरी - 2018
JANUARY - 2018

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Annual Sediment Load for period : 2008-2017

Station Name : MARELLA (AU000E5)

Division : Lower Krishna Divn., Hyderabad

Local River : Gundlakamma

Sub-Division : Lower Krishna SD 1, N.S.Dam

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2008-2009	43145	15494	58639	812
2009-2010	54496	166352	220848	698
2010-2011	72130	14795	86926	1470
2011-2012	8368	2535	10903	465
2012-2013	31955	0	31955	109
2013-2014	100103	8188	108290	978
2014-2015	17742	4346	22088	354
2015-2016	1340	0	1340	12
2016-2017	14838	0	14838	82

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : MARELLA (AU000E5)

Local River : Gundlakamma

Division : Lower Krishna Divn., Hyderabad

Sub-Division : Lower Krishna SD 1, N.S.Dam

337

Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	13.59	0.000	0.000	0.096	0.096	112
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	17.28	0.000	0.000	0.099	0.099	147
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	41.15	0.000	0.000	0.129	0.129	459
31							0.000	0.000	0.000	0.000	0.000	0	43.86	0.000	0.000	0.190	0.190	721
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	10.53	0.000	0.000	0.047	0.047	131
Monthly																		
Total						0						0						1440

Annual Sediment Load (Metric Tonnes) : 14838

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : MARELLA (AU000E5)

Local River : Gundlakamma

Division : Lower Krishna Divn., Hyderabad

Sub-Division : Lower Krishna SD 1, N.S.Dam

338

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	40.95	0.000	0.000	0.103	0.103	363	6.809	0.000	0.000	0.061	0.061	36	0.000	0.000	0.000	0.000	0.000	0
2	8.419	0.000	0.000	0.056	0.056	41	11.58	0.000	0.000	0.076	0.076	76	0.000	0.000	0.000	0.000	0.000	0
3	3.326	0.000	0.000	0.058	0.058	17	6.352	0.000	0.000	0.019	0.019	10	0.000	0.000	0.000	0.000	0.000	0
4	1.018	0.000	0.000	0.033	0.033	3	3.080	0.000	0.000	0.029	0.029	8	0.000	0.000	0.000	0.000	0.000	0
5	0.884	0.000	0.000	0.031	0.031	2	3.070	0.000	0.000	0.045	0.045	12	0.000	0.000	0.000	0.000	0.000	0
6	0.538	0.000	0.000	0.091	0.091	4	6.089	0.000	0.000	0.042	0.042	22	0.000	0.000	0.000	0.000	0.000	0
7	0.652	0.000	0.000	0.048	0.048	3	3.379	0.000	0.000	0.047	0.047	14	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	2.203	0.000	0.000	0.038	0.038	7	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	1.018	0.000	0.000	0.033	0.033	3	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	1.828	0.000	0.000	0.035	0.035	6	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.067	0.000	0.000	0.013	0.013	0	0.000	0.000	0.000	0.000	0.000	0
12	5.573	0.000	0.000	0.071	0.071	34	0.067	0.000	0.000	0.013	0.013	0	0.000	0.000	0.000	0.000	0.000	0
13	369.1	0.000	0.000	0.252	0.252	8039	0.032	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	59.89	0.000	0.000	0.191	0.191	990	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	16.16	0.000	0.000	0.090	0.090	126	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	13.45	0.000	0.000	0.082	0.082	96	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	5.564	0.000	0.000	0.040	0.040	19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	3.670	0.000	0.000	0.051	0.051	16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	3.914	0.000	0.000	0.036	0.036	12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	2.546	0.000	0.000	0.074	0.074	16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	2.579	0.000	0.000	0.030	0.030	7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	3.955	0.000	0.000	0.059	0.059	20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	148.7	0.000	0.000	0.184	0.184	2366	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	43.95	0.000	0.000	0.196	0.196	745	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	14.14	0.000	0.000	0.082	0.082	100	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	7.361	0.000	0.000	0.068	0.068	44	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	5.585	0.000	0.000	0.053	0.053	25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	5.442	0.000	0.000	0.045	0.045	21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	5.379	0.000	0.000	0.044	0.044	20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	13.54	0.000	0.000	0.065	0.065	77	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	5.578	0.000	0.000	0.042	0.042	43	4.541	0.000	0.000	0.043	0.043	19	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	47.98	0.000	0.000	0.089	0.089	935	0.017	0.000	0.000	0.003	0.003	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	25.07	0.000	0.000	0.083	0.083	342	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						13205						194						0

Annual Sediment Load (Metric Tonnes) : 14838

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : MARELLA (AU000E5)

Local River : Gundlakamma

Division : Lower Krishna Divn., Hyderabad

Sub-Division : Lower Krishna SD 1, N.S.Dam

339

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
31	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 14838

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : MARELLA (AU000E5)

Local River : Gundlakamma

Division : Lower Krishna Divn., Hyderabad

Sub-Division : Lower Krishna SD 1, N.S.Dam

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Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	1.094	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.109	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 14838

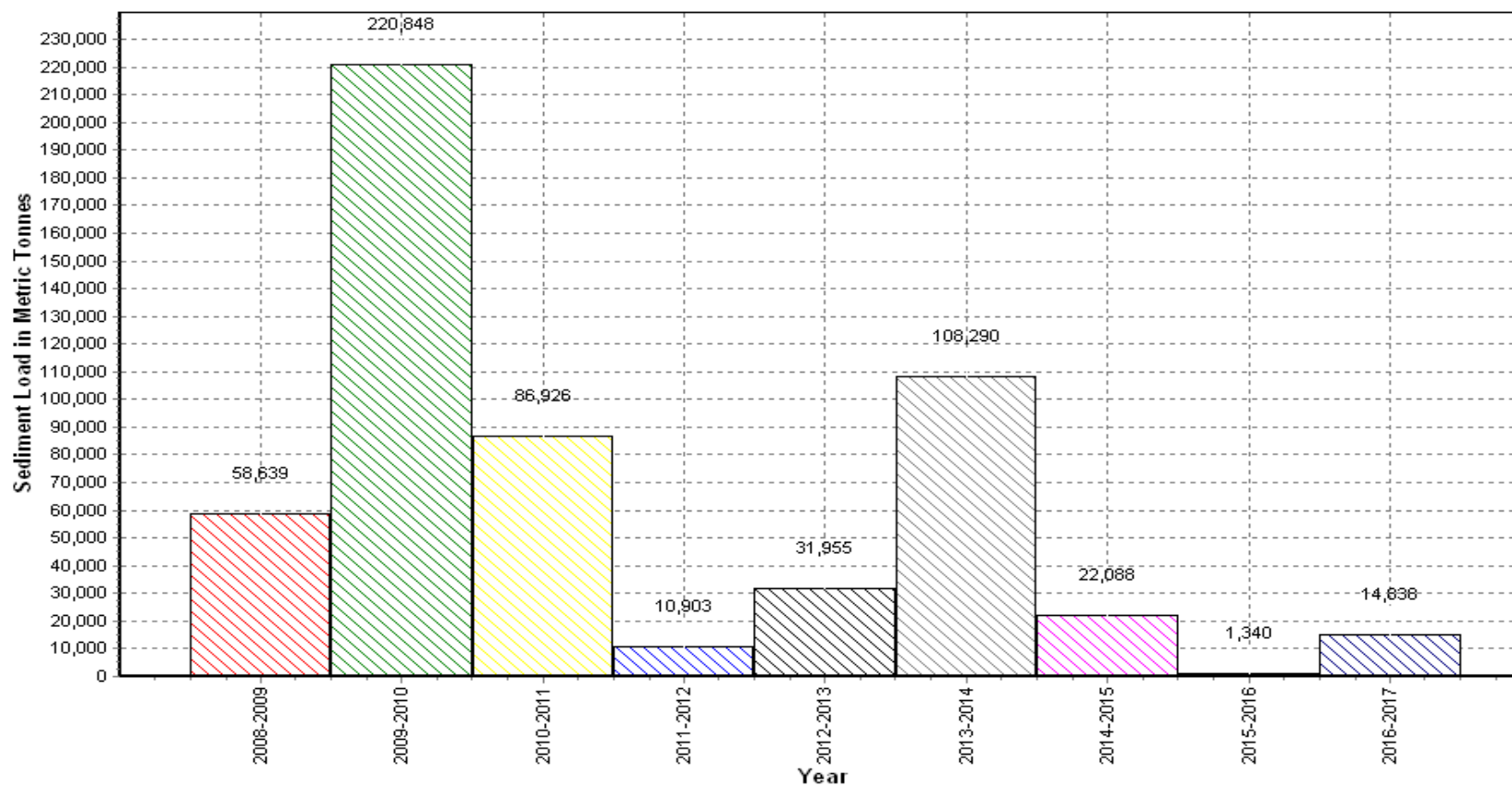
Annual Sediment Load for the period: 2008-2017

Station Name : MARELLA (AU000E5)

Local River : Gundlakamma

Division : Lower Krishna Divn., Hyderabad

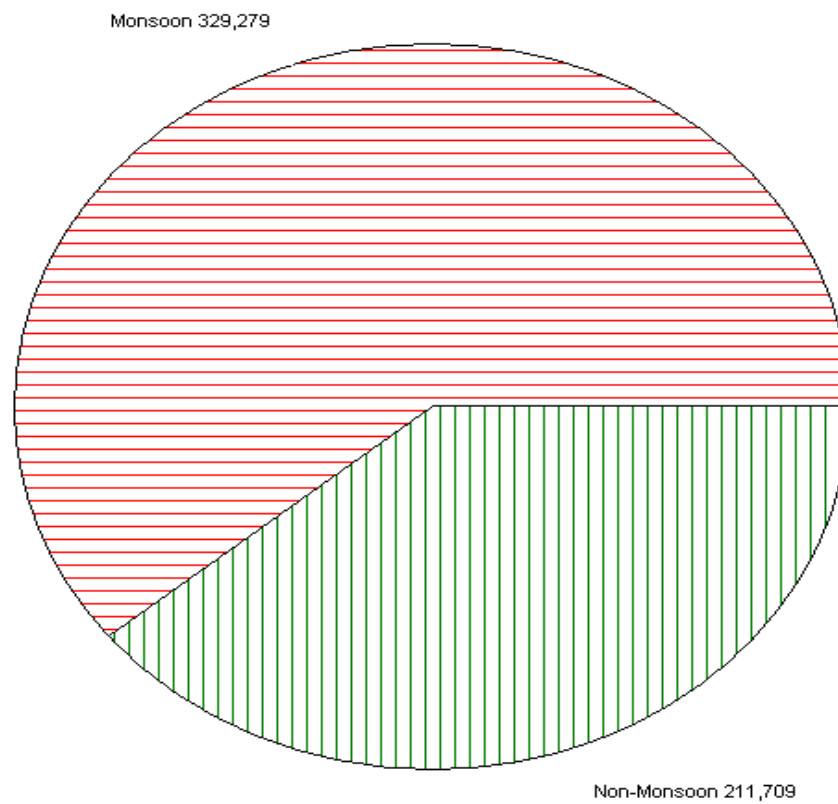
Sub-Division : Lower Krishna SD 1, N.S.Dam



Station Name : MARELLA (AU000E5)
Local River : Gundlakamma

Seasonal Sediment Load for the period : 2008-2016

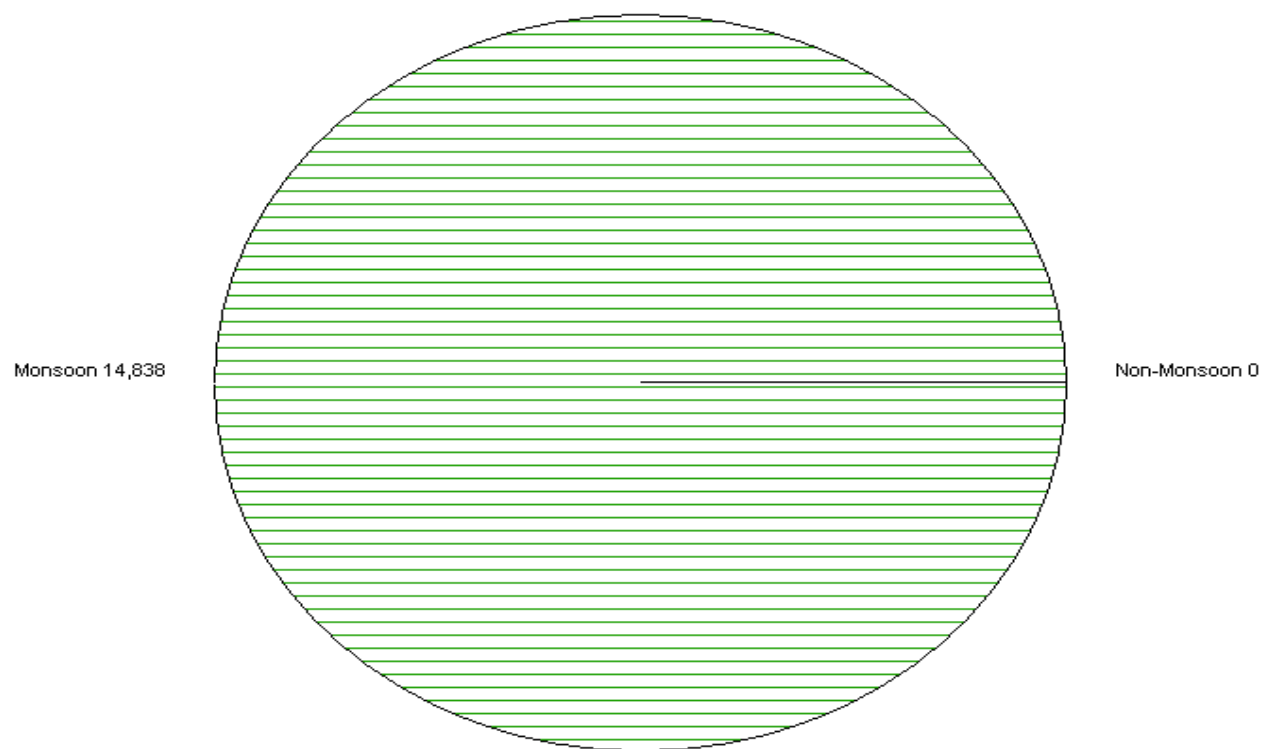
Division : Lower Krishna Divn., Hyderabad
Sub-Division : Lower Krishna SD 1, N.S.Dam



Station Name : MARELLA (AU000E5)
Local River : Gundlakamma

Seasonal Sediment Load for the Year: 2016-2017

Division : Lower Krishna Divn., Hyderabad
Sub-Division : Lower Krishna SD 1, N.S.Dam



BED MATERIAL ANALYSIS DATA

RIVER : Gundlakamma
SITE : Marella

CODE : AU000E5
CROSS SECTION : SGL

SL. NO.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER								
	R.D.(m)	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L. (GTS) OF THE SAMPLING DI	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/Sec)	DISCHARGE (m³/Sec)	Bed Material Composition							Bed Material Composition			
									MAX SIZE (mm)	MEAN SIZE (mm)	WETTED PERIMETER (m)	HYDRULIC MEAN DEPTH (m)	MEAN VELOCITY (m/Sec)	SURFACE WATER SLOPE (S)	DISCHARGE (m³/Sec)	MAX SIZE (mm)	MEAN SIZE (mm)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
PRE-MONSOON-2016						DATE OF COLLECTION												24/05/2016	
1	50	-	34.929	DryBed	-	-	-	DryBed	0.60	0.58	-	-	-	-	-	-	-		
2	100	-	32.859		-	-	-		0.60	0.37	-	-	-	-	-	-	-	-	
3	150	-	29.149		-	-	-		14.00	4.04	-	-	-	-	-	-	16.0	1.70	
4	200	-	29.709		-	-	-		16.00	2.99	-	-	-	-	-	-	-	-	
5	250	-	33.029		-	-	-		0.60	0.53	-	-	-	-	-	-	-	-	
MONSOON-2016						DATE OF COLLECTION													
Survey not conducted																			
POST-MONSOON-2016						DATE OF COLLECTION												23/12/2016	
1	50	-	34.939	DryBed	-	-	-	-	0.60	0.48	-	-	-	-	-	-	-		
2	100	-	32.869		-	-	-	-	0.60	0.37	-	-	-	-	-	-	-		
3	150	-	29.159		-	-	-	-	10.00	2.08	-	-	-	-	-	14.0	1.22		
4	200	-	29.739		-	-	-	-	14.00	2.91	-	-	-	-	-	-	-		
5	250	-	33.029		-	-	-	-	0.60	0.28	-	-	-	-	-	-	-		

Minimum size of Bed Material Composition is 0.06 mm

Annual Sediment Load for period : 2014-2017

Station Name : Nellore (AP000A6)

Division : Hydrology Division, Chennai

Local River : Pennar

Sub-Division : PSD, Kadapa

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2014-2015	47	423	470	9
2015-2016	29847	4115	33962	1683
2016-2017	0	5	5	0

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Nellore (AP000A6)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 5

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Nellore (AP000A6)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

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Annual Sediment Load (Metric Tonnes) : 5

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Nellore (AP000A6)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	1.103	0.000	0.000	0.014	0.014	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	1.157	0.000	0.000	0.014	0.014	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.809	0.000	0.000	0.019	0.019	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.504	0.000	0.000	0.014	0.014	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
31	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.357	0.000	0.000	0.006	0.006	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						5						0						0

Annual Sediment Load (Metric Tonnes) : 5

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Nellore (AP000A6)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

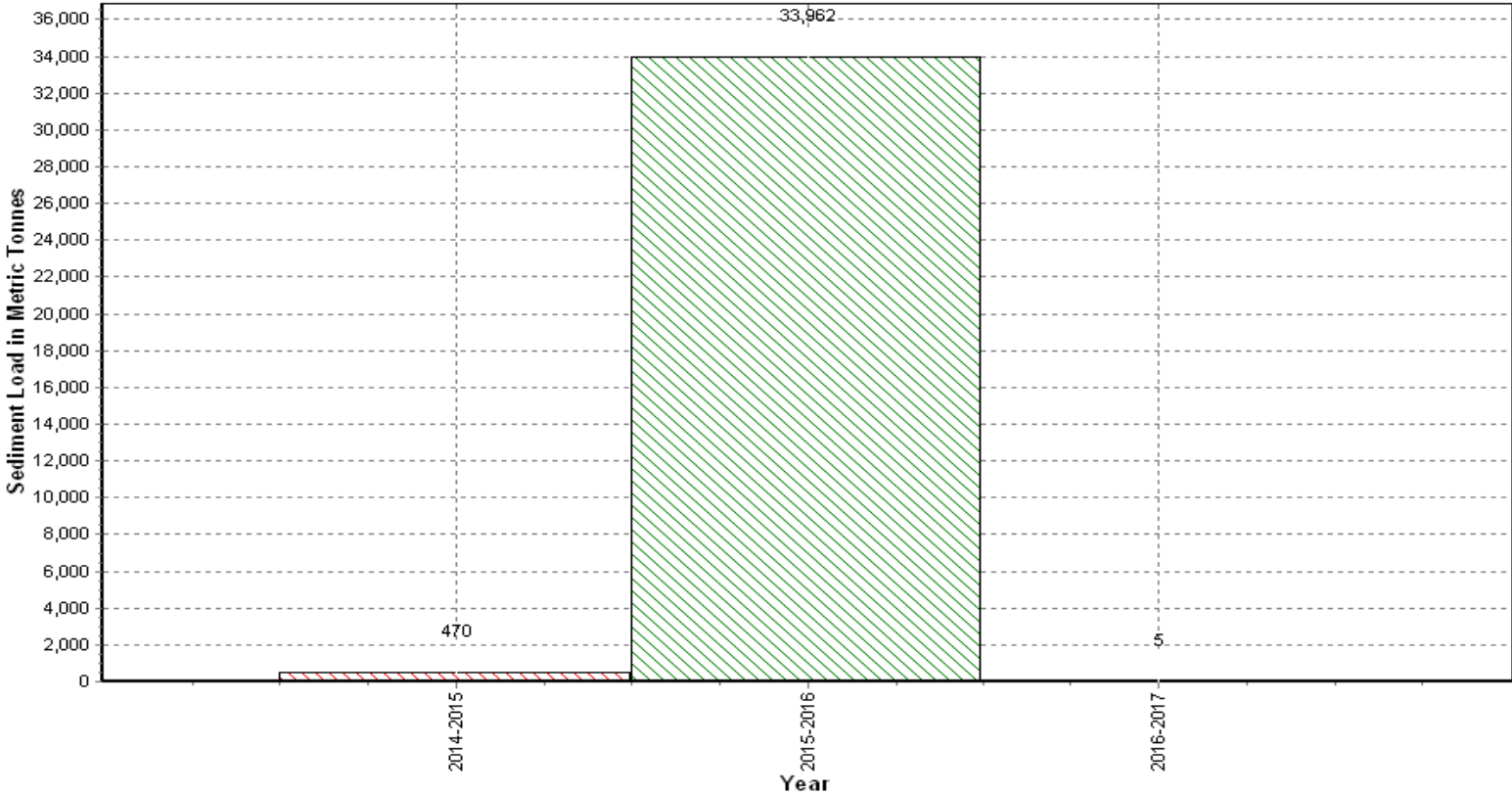
Annual Sediment Load (Metric Tonnes) : 5

Station Name : Nellore (AP000A6)
Local River : Pennar

Annual Sediment Load for the period: 2014-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

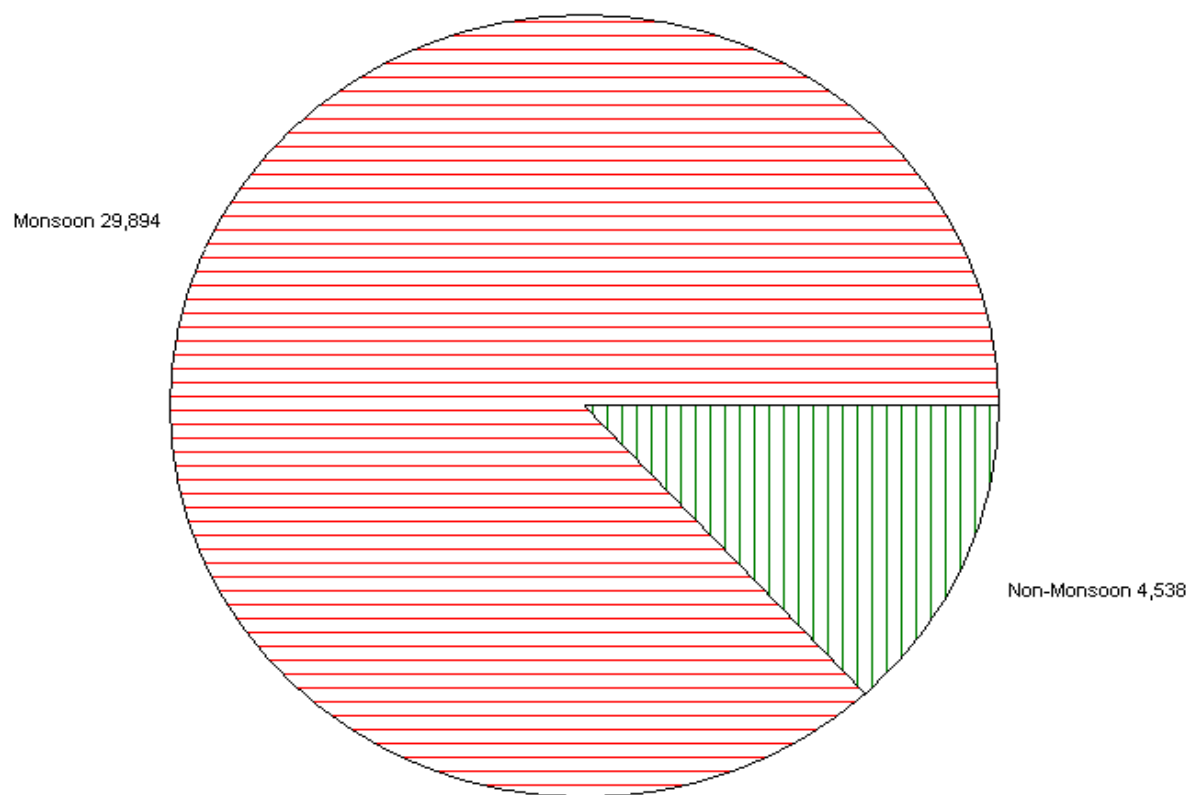
350



Station Name : Nellore (AP000A6)
Local River : Pennar

Seasonal Sediment Load for the period : 2014-2016

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



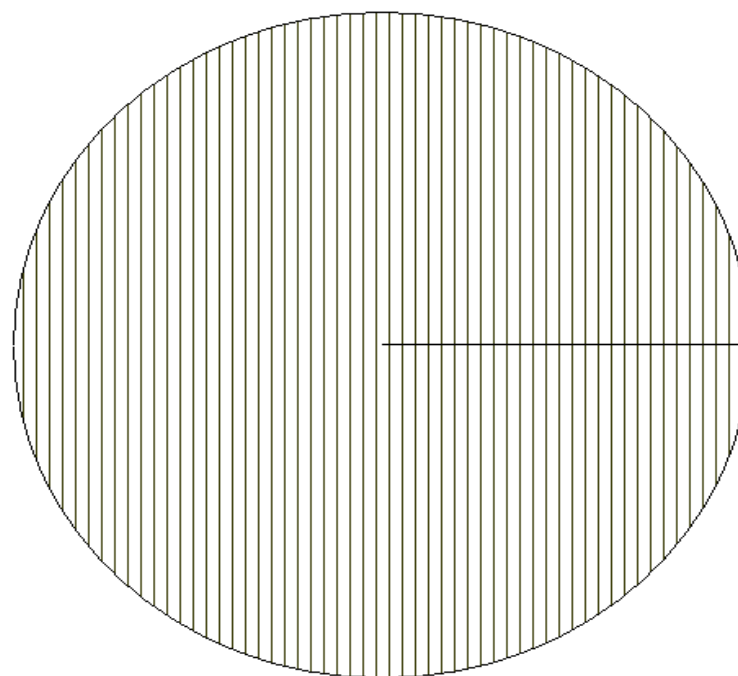
Station Name : Nellore (AP000A6)
Local River : Pennar

Seasonal Sediment Load for the Year: 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

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Non-Monsoon 5



Monsoon 0

BED MATERIAL ANALYSIS DATA

RIVER : PENNAR
SITE : NELLORE

CODE No. : AP000A6
CROSS SECTION : SGL

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Sl.No.	DATE OF COLLECTION	DATA FOR SAMPLE COLLECTED											GENERAL DATA OF THE RIVER								
		R.D.(m)	LAB NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m3/s)	Bed Material Composition			WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m3/s)	Bed Material Composition		
											MAX. SIZE (mm)	MIN. SIZE (mm)	MEAN SIZE (mm)						MAX. SIZE (mm)	MIN. SIZE (mm)	MEAN SIZE (mm)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	MONSOON 2016 30/09/2016																				
1	30/09/2016	80	5	8.830	-	-	-	80.0	-	-	6.0	0.060	0.60	No Flow							
2	30/09/2016	160	6	8.490	-	-	-	80.0	-	-	5.5	0.060	0.99								
3	30/09/2016	240	7	7.650	-	-	-	80.0	-	-	10.0	0.060	0.86								
4	30/09/2016	320	8	8.480	-	-	-	80.0	-	-	7.0	0.060	1.10								
5	30/09/2016	400	9	8.300	-	-	-	80.0	-	-	9.0	0.060	0.94								
6	30/09/2016	480	10	8.525	-	-	-	80.0	-	-	6.0	0.060	0.60								
7	30/09/2016	560	11	-	6.730	7.860	1.130	80.0	-	-	8.0	0.060	0.75						10.0	0.060	0.834
	POST MONSOON 2017 23/12/2016																				
1	23/12/2016	80	38	8.835	-	-	-	80.0	-	-	10.0	0.060	0.82	Stagnant water							
2	23/12/2016	160	39	8.500	-	-	-	80.0	-	-	12.0	0.060	1.18								
3	23/12/2016	240	40	7.655	-	-	-	80.0	-	-	15.0	0.060	1.09								
4	23/12/2016	320	41	8.430	-	-	-	80.0	-	-	11.0	0.060	1.47								
5	23/12/2016	400	42	8.305	-	-	-	80.0	-	-	13.0	0.060	2.82								
6	23/12/2016	480	43	8.520	-	-	-	80.0	-	-	14.0	0.060	0.64								
7	23/12/2016	560	44	-	6.735	7.890	1.155	80.0	-	-	6.0	0.060	0.44						15.0	0.060	1.208
	PRE MONSOON 2017 24/04/2017																				
1	24/04/2017	80	88	8.810	-	-	-	80.0	-	-	6.0	0.060	0.99	Stagnant water							
2	24/04/2017	160	89	8.490	-	-	-	80.0	-	-	8.0	0.060	0.97								
3	24/04/2017	240	90	7.565	-	-	-	80.0	-	-	7.0	0.060	1.04								
4	24/04/2017	320	91	8.435	River Bed Dry			80.0	-	-	6.0	0.060	1.11								
5	24/04/2017	400	92	8.310	-	-	-	80.0	-	-	6.0	0.060	0.90								
6	24/04/2017	480	93	8.485	-	-	-	80.0	-	-	7.0	0.060	0.73								
7	24/04/2017	560	94	-	6.660	7.900	1.240	80.0	-	-	10.0	0.060	0.69						10.0	0.060	0.918

Annual Sediment Load for period : 2013-2017

Station Name : Nandipalli (APC00G7)

Division : Hydrology Division, Chennai

Local River : Sagileru

Sub-Division : PSD, Kadapa

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2013-2014	53997	175	54172	105
2014-2015	34	0	34	1
2015-2016	12530	42	12572	18
2016-2017	528	186	714	4

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Nandipalli (APC00G7)

Local River : Sagileru

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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Jun						Jul						Aug					
	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0	0.247	0.000	0.000	0.020	0.020	0	1.136	0.000	0.000	0.345	0.345	34
2	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.162	0.000	0.000	0.049	0.049	1
3	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.139	0.000	0.000	0.042	0.042	1
4	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.075	0.075	11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.020	0.020	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.954	0.954	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.079	0.079	7	4.159	0.000	0.000	0.954	0.954	343	0.000	0.000	0.000	0.000	0.000	0
31						2.474	0.000	0.000	0.614	0.614	131	0.000	0.000	0.000	0.000	0.000	0
<u>Ten Daily Mean</u>																	
Ten Daily I	0.000	0.000	0.000	0.000	0	0.025	0.000	0.000	0.002	0.002	0	0.144	0.000	0.000	0.044	0.044	4
Ten Daily II	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.017	0.017	2	0.603	0.000	0.000	0.229	0.229	43	0.000	0.000	0.000	0.000	0.000	0
<u>Monthly</u>																	

Total

18

474

35

Annual Sediment Load (Metric Tonnes) : 714

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Nandipalli (APC00G7)

Local River : Sagileru

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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Sep							Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						

Annual Sediment Load (Metric Tonnes) : 714

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Nandipalli (APC00G7)

Local River : Sagileru

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

357

Dec							Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
31	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						

Annual Sediment Load (Metric Tonnes) : 714

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Nandipalli (APC00G7)

Local River : Sagileru

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

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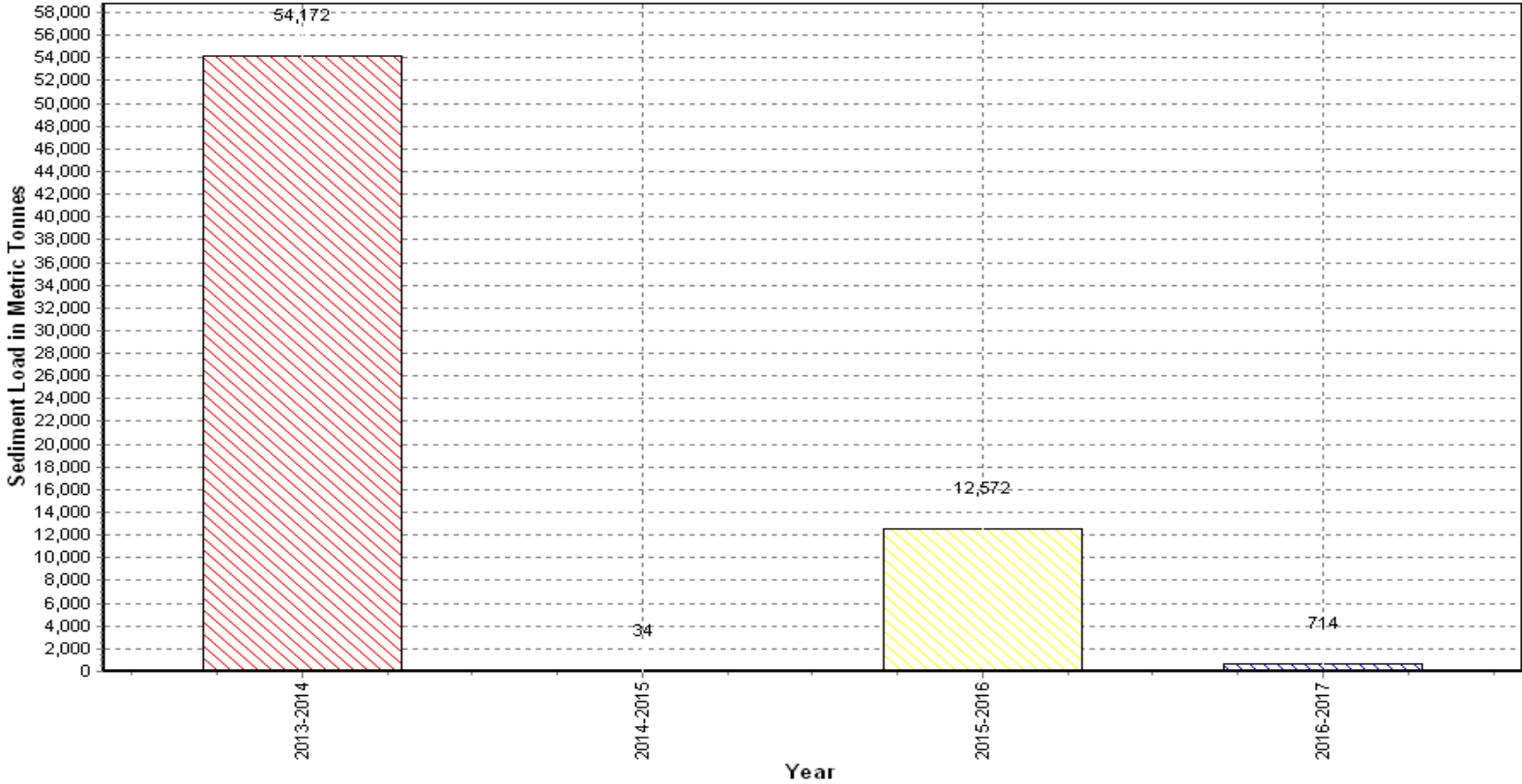
Mar							Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	2.920	0.000	0.000	0.054	0.054	14	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	1.657	0.000	0.000	0.130	0.130	19	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	2.795	0.000	0.000	0.014	0.014	3	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	2.826	0.000	0.000	0.029	0.029	7	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	2.426	0.000	0.000	0.025	0.025	5	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.480	0.000	0.000	0.005	0.005	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	1.341	0.000	0.000	0.010	0.010	1	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	1.383	0.000	0.000	0.080	0.080	10	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	1.591	0.000	0.000	0.090	0.090	12	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	2.578	0.000	0.000	0.106	0.106	24	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	2.426	0.000	0.000	0.099	0.099	21	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	2.162	0.000	0.000	0.086	0.086	16	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	2.573	0.000	0.000	0.093	0.093	21	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	2.215	0.000	0.000	0.086	0.086	16	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	2.095	0.000	0.000	0.044	0.044	8	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	2.147	0.000	0.000	0.045	0.045	8	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.683	0.000	0.000	0.014	0.014	1	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.703	0.000	0.000	0.015	0.015	1	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.292	0.000	0.000	0.005	0.005	1	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	1.291	0.000	0.000	0.029	0.029	5	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	1.917	0.000	0.000	0.068	0.068	13	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						186						

Annual Sediment Load (Metric Tonnes) : 714

Station Name : Nandipalli (APC00G7)
Local River : Sagileru

Annual Sediment Load for the period: 2013-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



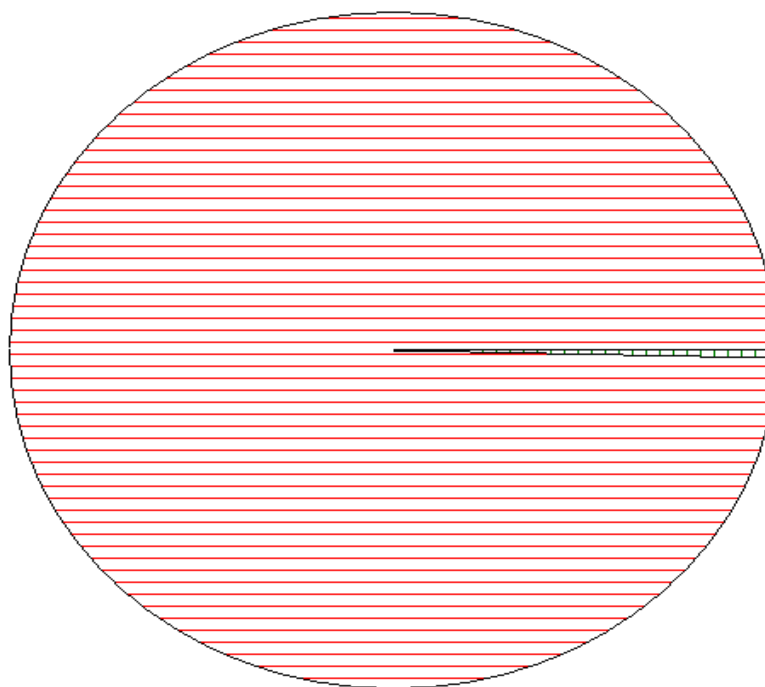
Station Name : Nandipalli (APC00G7)
Local River : Sagileru

Seasonal Sediment Load for the period : 2013-2016

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

360

Monsoon 66,561

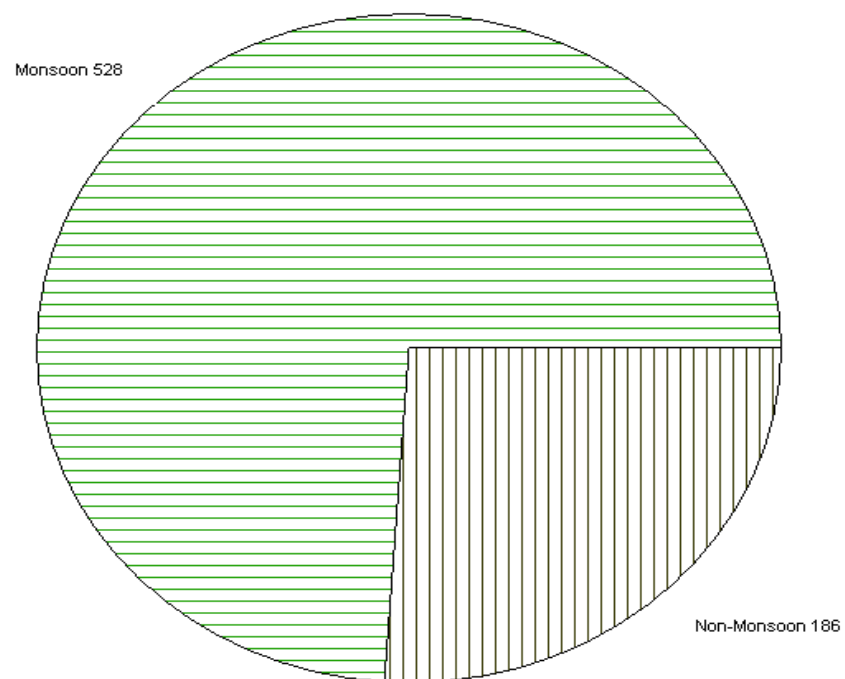


Non-Monsoon 217

Station Name : Nandipalli (APC00G7)
Local River : Sagileru

Seasonal Sediment Load for the Year: 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



BED MATERIAL ANALYSIS DATA

RIVER : SAGILERU

CODE No. : APC00G7

SITE : NANDIPALLI

CROSS SECTION : SGL

Sl.No.	DATE OF COLLECTION	DATA FOR SAMPLE COLLECTED												GENERAL DATA OF THE RIVER							
		R.D.(m)	LAB NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m3/s)	Bed Material Composition			WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m3/s)	Bed Material Composition		
											MAX. SIZE (mm)	MIN. SIZE (mm)	MEAN SIZE (mm)						MAX. SIZE (mm)	MIN. SIZE (mm)	MEAN SIZE (mm)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	MONSOON 2016 17/08/2016																				
1	17/08/2016	80	1	-	93.900	95.000	1.100	20.0	-	-	26.0	0.060	5.78	Stagnant Water					26.0	0.060	3.440
2	17/08/2016	100	2	-	94.050	95.000	0.950	20.0	-	-	20.0	0.060	3.13								
3	17/08/2016	120	3	-	94.750	95.000	0.250	20.0	-	-	7.0	0.060	0.64								
4	17/08/2016	140	4	Dry bed				20.0	-	-	22.0	0.060	4.21								
	POST MONSOON 2016 17/12/2016																				
1	17/12/2016	80	45	-	94.520	95.000	0.480	20.0	-	-	13.0	0.060	1.87	Stagnant Water					16.0	0.060	2.037
2	17/12/2016	100	46	-	94.640	95.000	0.360	20.0	-	-	7.0	0.060	0.68								
3	17/12/2016	120	47	95.575	-	-	-	20.0	-	-	16.0	0.060	3.32	Dry bed							
4	17/12/2016	140	48	95.760	-	-	-	20.0	-	-	10.0	0.060	2.28								
	PRE MONSOON 2017 11/05/2017																				
1	11/05/2017	80	84	94.500	93.880	96.120	1.120	20.0	-	-	10.0	0.060	2.24	Stagnant Water					18.0	0.060	1.852
2	11/05/2017	100	85	94.640	93.810	96.130	1.130	20.0	-	-	7.0	0.060	0.73								
3	11/05/2017	120	86	95.575	94.490	95.510	0.510	20.0	-	-	18.0	0.060	2.75								
4	11/05/2017	140	87	95.760	94.700	95.300	0.300	20.0	-	-	8.0	0.060	1.69								

Annual Sediment Load for period : 1990-2017

Station Name : Chennur (AP000I1)

Division : Hydrology Division, Chennai

Local River : Pennar

Sub-Division : PSD, Kadapa

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1990-1991	860526	3948	864474	1382
1991-1992	856182	4783	860965	1671
1992-1993	228400	4438	232838	599
1993-1994	950843	27002	977844	1360
1994-1995	1294642	4492	1299134	875
1995-1996	318364	4651	323016	893
1996-1997	3041422	22203	3063626	6549
1997-1998	958316	18972	977288	1575
1998-1999	SEDIMENT DATA NOT PUBLISHED			3789
1999-2000	SEDIMENT DATA NOT PUBLISHED			1068
2000-2001	3769520	22967	3792487	3350
2001-2002	4725192	18459	4743651	3053
2002-2003	228845	0	228845	264
2003-2004	284577	1033	285610	563
2004-2005	582858	6101	588960	1372
2005-2006	1137090	25126	1162217	3451
2006-2007	SEDIMENT OBSERVATIEON NOT DONE			1898
2007-2008	SEDIMENT OBSERVATIEON NOT DONE			4832
2008-2009	312466	12468	324934	2211
2009-2010	1820803	16153	1836956	3228
2010-2011	932783	66340	999123	4401
2011-2012	474055	12351	486406	2448
2012-2013	165396	2418	167814	652
2013-2014	824727	24068	848795	3401
2014-2015	521862	7275	529137	2734
2015-2016	113673	886	114559	496
2016-2017	668899	57247	726147	2391

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Chennur (AP000I1)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	5.275	0.000	0.000	0.034	0.034	16	42.53	0.000	0.000	0.073	0.073	269
2	0.000	0.000	0.000	0.000	0.000	0	5.708	0.000	0.000	0.036	0.036	18	37.62	0.000	0.000	0.054	0.054	176
3	0.000	0.000	0.000	0.000	0.000	0	6.161	0.000	0.000	0.038	0.038	20	37.16	0.000	0.000	0.050	0.050	161
4	0.000	0.000	0.000	0.000	0.000	0	5.477	0.000	0.000	0.034	0.034	16	36.64	0.000	0.000	0.051	0.051	161
5	0.000	0.000	0.000	0.000	0.000	0	4.435	0.000	0.000	0.036	0.036	14	36.90	0.000	0.000	0.044	0.044	139
6	0.000	0.000	0.000	0.000	0.000	0	3.306	0.000	0.000	0.027	0.027	8	17.42	0.000	0.000	0.068	0.068	102
7	0.000	0.000	0.000	0.000	0.000	0	2.031	0.000	0.000	0.017	0.017	3	14.29	0.000	0.000	0.054	0.054	67
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	14.15	0.000	0.000	0.054	0.054	66
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	13.09	0.000	0.000	0.055	0.055	63
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	5.671	0.000	0.000	0.054	0.054	26
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	20.19	0.000	0.000	0.039	0.039	68
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	20.55	0.000	0.000	0.039	0.039	69
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	20.04	0.000	0.000	0.043	0.043	75
14	1.224	0.000	0.000	0.055	0.055	6	0.000	0.000	0.000	0.000	0.000	0	66.39	0.000	0.000	0.080	0.080	459
15	1.247	0.000	0.000	0.067	0.067	7	0.000	0.000	0.000	0.000	0.000	0	62.12	0.000	0.000	0.077	0.077	412
16	1.193	0.000	0.000	0.038	0.038	4	0.000	0.000	0.000	0.000	0.000	0	63.55	0.000	0.000	0.078	0.078	427
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	66.03	0.000	0.000	0.066	0.066	374
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	30.89	0.000	0.000	0.078	0.078	209
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	9.440	0.000	0.000	0.065	0.065	53
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	7.788	0.000	0.000	0.073	0.073	49
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	6.606	0.000	0.000	0.078	0.078	44
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	4.644	0.000	0.000	0.085	0.085	34
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	16.22	0.000	0.000	0.089	0.089	125
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	15.90	0.000	0.000	0.087	0.087	119
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	22.42	0.000	0.000	0.437	0.437	847
26	1.494	0.000	0.000	0.027	0.027	3	0.000	0.000	0.000	0.000	0.000	0	22.18	0.000	0.000	0.055	0.055	105
27	5.493	0.000	0.000	0.037	0.037	17	0.000	0.000	0.000	0.000	0.000	0	10.48	0.000	0.000	0.086	0.086	78
28	5.496	0.000	0.000	0.037	0.037	17	4.895	0.000	0.000	0.042	0.042	18	7.381	0.000	0.000	0.070	0.070	44
29	5.940	0.000	0.000	0.034	0.034	17	47.20	0.000	0.000	0.070	0.070	285	5.889	0.000	0.000	0.062	0.062	31
30	6.121	0.000	0.000	0.007	0.007	4	421.8	0.000	0.000	0.306	0.306	11167	7.303	0.000	0.000	0.075	0.075	47
31							85.51	0.000	0.000	0.100	0.100	737	537.4	0.000	0.000	0.077	0.077	3576
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	3.239	0.000	0.000	0.022	0.022	9	25.55	0.000	0.000	0.056	0.056	123
Ten Daily II	0.366	0.000	0.000	0.016	0.016	2	0.000	0.000	0.000	0.000	0.000	0	36.70	0.000	0.000	0.064	0.064	220
Ten Daily III	2.454	0.000	0.000	0.014	0.014	6	50.86	0.000	0.000	0.047	0.047	1110	59.68	0.000	0.000	0.109	0.109	459
Monthly																		
Total							76					12301						8476

Annual Sediment Load (Metric Tonnes) : 726147

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Chennur (AP000I1)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	1060	0.000	0.000	0.257	0.257	23568	600.2	0.000	0.000	0.396	0.396	20542	110.7	0.000	0.000	0.368	0.368	3521
2	589.6	0.000	0.000	0.275	0.275	14019	373.0	0.000	0.000	0.377	0.377	12143	117.7	0.000	0.000	0.348	0.348	3543
3	169.5	0.000	0.000	0.180	0.180	2632	242.5	0.000	0.000	0.363	0.363	7607	126.9	0.000	0.000	0.336	0.336	3681
4	109.3	0.000	0.000	0.162	0.162	1533	241.5	0.000	0.000	0.359	0.359	7487	128.0	0.000	0.000	0.329	0.329	3636
5	51.49	0.000	0.000	0.146	0.146	648	203.8	0.000	0.000	0.396	0.396	6973	122.4	0.000	0.000	0.304	0.304	3215
6	30.52	0.000	0.000	0.140	0.140	368	157.3	0.000	0.000	0.411	0.411	5580	125.6	0.000	0.000	0.317	0.317	3439
7	48.38	0.000	0.000	0.157	0.157	657	150.6	0.000	0.000	0.314	0.314	4092	113.1	0.000	0.000	0.312	0.312	3047
8	31.11	0.000	0.000	0.168	0.168	452	151.4	0.000	0.000	0.462	0.462	6040	116.0	0.000	0.000	0.377	0.377	3783
9	33.75	0.000	0.000	0.176	0.176	512	177.6	0.000	0.000	0.422	0.422	6468	115.4	0.000	0.000	0.301	0.301	3003
10	35.41	0.000	0.000	0.231	0.231	705	203.3	0.000	0.000	0.382	0.382	6710	115.9	0.000	0.000	0.355	0.355	3555
11	137.6	0.000	0.000	0.223	0.223	2648	191.0	0.000	0.000	0.381	0.381	6281	118.7	0.000	0.000	0.184	0.184	1889
12	134.6	0.000	0.000	0.223	0.223	2592	219.3	0.000	0.000	0.384	0.384	7268	104.6	0.000	0.000	0.460	0.460	4160
13	380.8	0.000	0.000	0.199	0.199	6551	176.5	0.000	0.000	0.379	0.379	5778	104.8	0.000	0.000	0.460	0.460	4167
14	500.4	0.000	0.000	0.188	0.188	8107	146.2	0.000	0.000	0.411	0.411	5191	108.2	0.000	0.000	0.461	0.461	4313
15	646.3	0.000	0.000	0.240	0.240	13385	153.0	0.000	0.000	0.408	0.408	5389	118.5	0.000	0.000	0.465	0.465	4762
16	744.1	0.000	0.000	0.385	0.385	24733	111.5	0.000	0.000	0.367	0.367	3536	119.8	0.000	0.000	0.312	0.312	3232
17	703.3	0.000	0.000	0.408	0.408	24787	110.0	0.000	0.000	0.366	0.366	3475	121.8	0.000	0.000	0.276	0.276	2901
18	551.1	0.000	0.000	0.409	0.409	19494	102.8	0.000	0.000	0.418	0.418	3715	158.0	0.000	0.000	0.239	0.239	3260
19	417.2	0.000	0.000	0.411	0.411	14803	115.6	0.000	0.000	0.369	0.369	3685	152.4	0.000	0.000	0.235	0.235	3097
20	241.9	0.000	0.000	0.451	0.451	9416	106.4	0.000	0.000	0.426	0.426	3916	144.5	0.000	0.000	0.238	0.238	2974
21	501.6	0.000	0.000	0.409	0.409	17730	107.1	0.000	0.000	0.348	0.348	3218	140.5	0.000	0.000	0.240	0.240	2910
22	714.2	0.000	0.000	0.450	0.450	27736	107.6	0.000	0.000	0.355	0.355	3304	138.8	0.000	0.000	0.238	0.238	2858
23	653.4	0.000	0.000	0.488	0.488	27520	101.6	0.000	0.000	0.482	0.482	4228	127.3	0.000	0.000	0.249	0.249	2742
24	716.9	0.000	0.000	0.463	0.463	28648	104.1	0.000	0.000	0.431	0.431	3872	121.1	0.000	0.000	0.211	0.211	2211
25	655.9	0.000	0.000	0.420	0.420	23801	107.4	0.000	0.000	0.335	0.335	3111	106.5	0.000	0.000	0.225	0.225	2074
26	624.3	0.000	0.000	0.398	0.398	21466	112.4	0.000	0.000	0.350	0.350	3401	102.2	0.000	0.000	0.231	0.231	2041
27	504.4	0.000	0.000	0.380	0.380	16577	112.0	0.000	0.000	0.371	0.371	3587	80.23	0.000	0.000	0.233	0.233	1613
28	507.9	0.000	0.000	0.379	0.379	16615	112.7	0.000	0.000	0.366	0.366	3563	85.77	0.000	0.000	0.232	0.232	1722
29	594.0	0.000	0.000	0.399	0.399	20450	111.5	0.000	0.000	0.358	0.358	3453	56.72	0.000	0.000	0.217	0.217	1062
30	465.8	0.000	0.000	0.395	0.395	15880	111.5	0.000	0.000	0.358	0.358	3453	54.37	0.000	0.000	0.218	0.218	1025
31							112.1	0.000	0.000	0.362	0.362	3507						
Ten Daily Mean																		
Ten Daily I	215.9	0.000	0.000	0.189	0.189	4510	250.1	0.000	0.000	0.388	0.388	8364	119.2	0.000	0.000	0.335	0.335	3442
Ten Daily II	445.7	0.000	0.000	0.314	0.314	12652	143.2	0.000	0.000	0.391	0.391	4823	125.1	0.000	0.000	0.333	0.333	3476
Ten Daily III	593.8	0.000	0.000	0.418	0.418	21642	109.1	0.000	0.000	0.374	0.374	3518	101.3	0.000	0.000	0.230	0.230	2026
Monthly																		
Total						388035						170573						89438

Annual Sediment Load (Metric Tonnes) : 726147

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Chennur (AP00011)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	75.41	0.000	0.000	0.218	0.218	1421	79.82	0.000	0.000	0.121	0.121	834	8.157	0.000	0.000	0.020	0.020	14
2	78.42	0.000	0.000	0.220	0.220	1491	74.56	0.000	0.000	0.122	0.122	783	7.588	0.000	0.000	0.020	0.020	13
3	88.77	0.000	0.000	0.217	0.217	1667	63.09	0.000	0.000	0.119	0.119	646	3.708	0.000	0.000	0.030	0.030	10
4	103.7	0.000	0.000	0.193	0.193	1730	61.88	0.000	0.000	0.119	0.119	634	2.023	0.000	0.000	0.028	0.028	5
5	111.2	0.000	0.000	0.181	0.181	1738	72.51	0.000	0.000	0.122	0.122	765	1.738	0.000	0.000	0.025	0.025	4
6	107.3	0.000	0.000	0.178	0.178	1646	70.88	0.000	0.000	0.120	0.120	734	1.785	0.000	0.000	0.026	0.026	4
7	103.9	0.000	0.000	0.165	0.165	1482	64.79	0.000	0.000	0.118	0.118	660	1.692	0.000	0.000	0.026	0.026	4
8	82.36	0.000	0.000	0.192	0.192	1367	62.33	0.000	0.000	0.115	0.115	618	1.273	0.000	0.000	0.025	0.025	3
9	80.41	0.000	0.000	0.165	0.165	1147	62.58	0.000	0.000	0.115	0.115	622	1.046	0.000	0.000	0.024	0.024	2
10	81.24	0.000	0.000	0.173	0.173	1215	56.34	0.000	0.000	0.112	0.112	544	0.921	0.000	0.000	0.022	0.022	2
11	75.02	0.000	0.000	0.148	0.148	957	58.37	0.000	0.000	0.010	0.010	51	0.000	0.000	0.000	0.000	0.000	0
12	81.90	0.000	0.000	0.174	0.174	1230	59.42	0.000	0.000	0.096	0.096	491	0.000	0.000	0.000	0.000	0.000	0
13	110.4	0.000	0.000	0.134	0.134	1279	54.71	0.000	0.000	0.085	0.085	402	0.000	0.000	0.000	0.000	0.000	0
14	152.4	0.000	0.000	0.076	0.076	997	52.35	0.000	0.000	0.090	0.090	409	0.000	0.000	0.000	0.000	0.000	0
15	147.8	0.000	0.000	0.246	0.246	3143	52.35	0.000	0.000	0.090	0.090	409	0.000	0.000	0.000	0.000	0.000	0
16	138.2	0.000	0.000	0.242	0.242	2888	50.77	0.000	0.000	0.090	0.090	397	0.000	0.000	0.000	0.000	0.000	0
17	144.1	0.000	0.000	0.237	0.237	2952	48.84	0.000	0.000	0.091	0.091	385	0.000	0.000	0.000	0.000	0.000	0
18	126.8	0.000	0.000	0.209	0.209	2284	48.93	0.000	0.000	0.083	0.083	349	0.000	0.000	0.000	0.000	0.000	0
19	104.8	0.000	0.000	0.172	0.172	1558	45.25	0.000	0.000	0.062	0.062	243	0.000	0.000	0.000	0.000	0.000	0
20	94.33	0.000	0.000	0.168	0.168	1368	31.01	0.000	0.000	0.056	0.056	150	0.000	0.000	0.000	0.000	0.000	0
21	94.85	0.000	0.000	0.161	0.161	1318	21.11	0.000	0.000	0.049	0.049	89	0.000	0.000	0.000	0.000	0.000	0
22	103.9	0.000	0.000	0.152	0.152	1363	32.27	0.000	0.000	0.041	0.041	114	0.000	0.000	0.000	0.000	0.000	0
23	104.1	0.000	0.000	0.152	0.152	1363	32.98	0.000	0.000	0.041	0.041	116	0.000	0.000	0.000	0.000	0.000	0
24	102.9	0.000	0.000	0.142	0.142	1259	21.44	0.000	0.000	0.033	0.033	61	0.000	0.000	0.000	0.000	0.000	0
25	101.5	0.000	0.000	0.140	0.140	1229	16.81	0.000	0.000	0.026	0.026	38	0.000	0.000	0.000	0.000	0.000	0
26	92.39	0.000	0.000	0.131	0.131	1048	14.99	0.000	0.000	0.027	0.027	34	0.000	0.000	0.000	0.000	0.000	0
27	96.33	0.000	0.000	0.135	0.135	1126	15.47	0.000	0.000	0.027	0.027	35	0.000	0.000	0.000	0.000	0.000	0
28	93.55	0.000	0.000	0.132	0.132	1066	14.81	0.000	0.000	0.027	0.027	35	0.000	0.000	0.000	0.000	0.000	0
29	92.74	0.000	0.000	0.128	0.128	1022	13.27	0.000	0.000	0.026	0.026	30						
30	94.51	0.000	0.000	0.121	0.121	985	8.701	0.000	0.000	0.021	0.021	16						
31	92.33	0.000	0.000	0.119	0.119	951	5.737	0.000	0.000	0.020	0.020	10						
Ten Daily Mean																		
Ten Daily I	91.26	0.000	0.000	0.190	0.190	1490	66.88	0.000	0.000	0.118	0.118	684	2.993	0.000	0.000	0.024	0.024	6
Ten Daily II	117.6	0.000	0.000	0.180	0.180	1865	50.20	0.000	0.000	0.075	0.075	329	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	97.19	0.000	0.000	0.137	0.137	1157	17.96	0.000	0.000	0.031	0.031	53	0.000	0.000	0.000	0.000	0.000	0
Monthly																		

Total

46288

10705

59

Annual Sediment Load (Metric Tonnes) : 726147

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Chennur (AP000I1)

Local River : Pennar

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	4.141	0.000	0.000	0.031	0.031	11
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	5.568	0.000	0.000	0.044	0.044	21
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	5.658	0.000	0.000	0.035	0.035	17
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	4.142	0.000	0.000	0.029	0.029	10
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.658	0.000	0.000	0.047	0.047	11
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	1.612	0.000	0.000	0.056	0.056	8
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	1.738	0.000	0.000	0.061	0.061	9
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.913	0.000	0.000	0.031	0.031	2
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	4.002	0.000	0.000	0.019	0.019	7	0.000	0.000	0.000	0.000	0.000	0
21	3.468	0.000	0.000	0.027	0.027	8	3.764	0.000	0.000	0.014	0.014	5	0.000	0.000	0.000	0.000	0.000	0
22	3.561	0.000	0.000	0.025	0.025	8	1.909	0.000	0.000	0.023	0.023	4	0.000	0.000	0.000	0.000	0.000	0
23	0.927	0.000	0.000	0.012	0.012	1	1.909	0.000	0.000	0.027	0.027	4	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	2.270	0.000	0.000	0.021	0.021	4	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	2.658	0.000	0.000	0.021	0.021	5	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	4.071	0.000	0.000	0.020	0.020	7	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	4.491	0.000	0.000	0.020	0.020	8	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	4.847	0.000	0.000	0.026	0.026	11	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	4.715	0.000	0.000	0.018	0.018	7	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	3.962	0.000	0.000	0.035	0.035	12	1.678	0.000	0.000	0.046	0.046	7
31	0.000	0.000	0.000	0.000	0.000	0							1.969	0.000	0.000	0.058	0.058	10
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.643	0.000	0.000	0.033	0.033	9
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.400	0.000	0.000	0.002	0.002	1	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.723	0.000	0.000	0.006	0.006	2	3.460	0.000	0.000	0.022	0.022	7	0.332	0.000	0.000	0.009	0.009	2
Monthly																		

Total

17

73

106

Annual Sediment Load (Metric Tonnes) : 726147

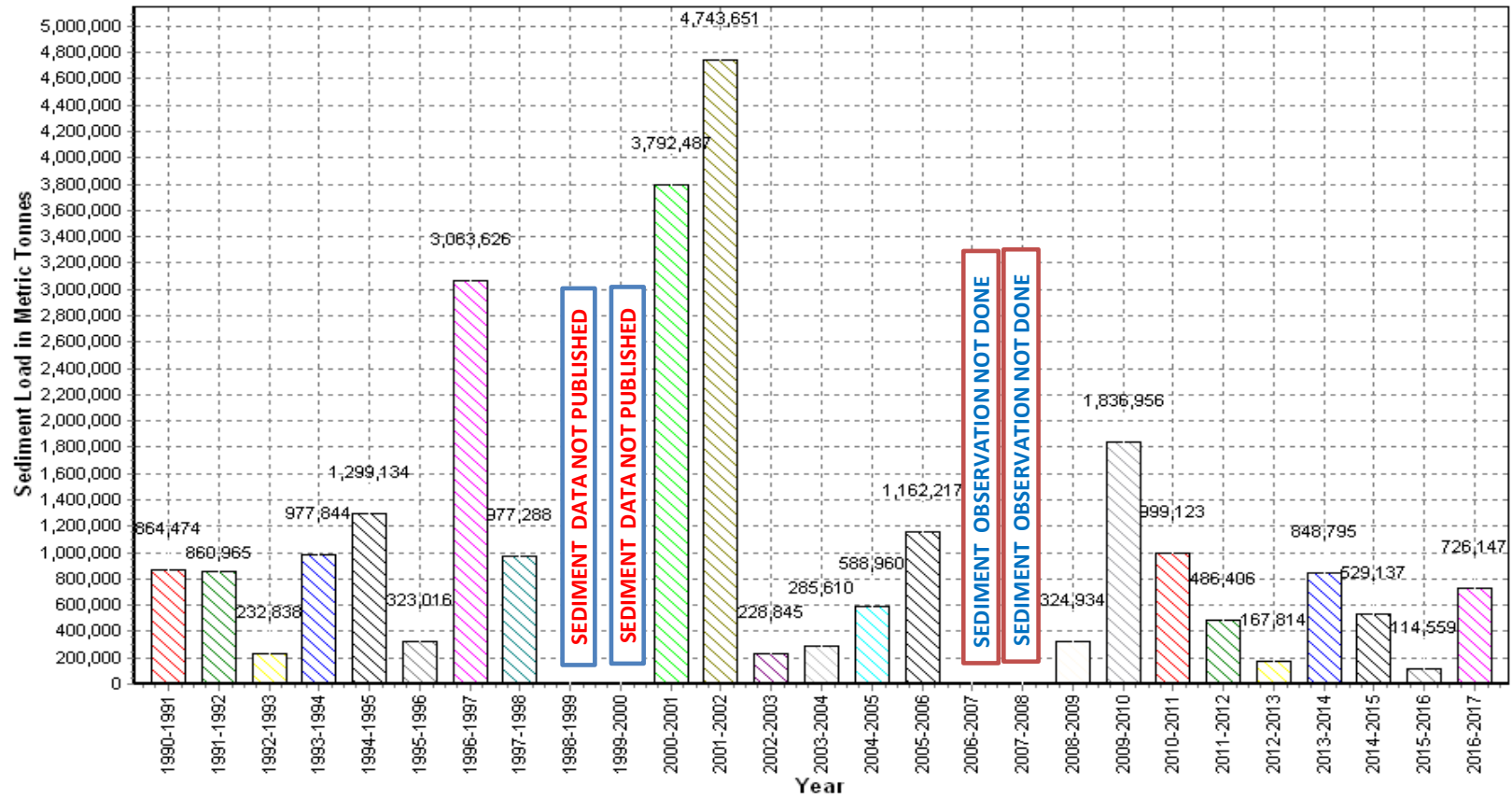
Annual Sediment Load for the period: 1990-2017

Station Name : Chennur (AP000I1)

Local River : Pennar

Division : Hydrology Division, Chennai

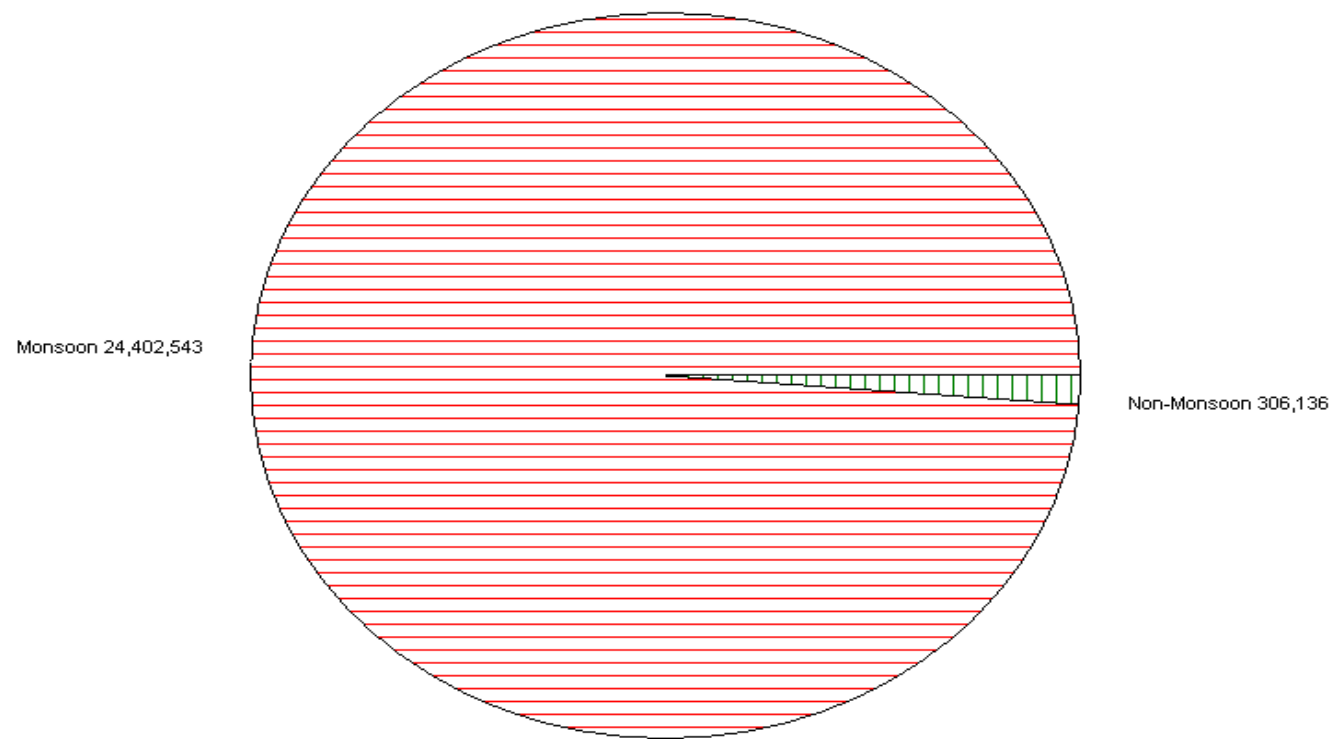
Sub-Division : PSD, Kadapa



Station Name : Chennur (AP000I1)
Local River : Pennar

Seasonal Sediment Load for the period : 1990-2016

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



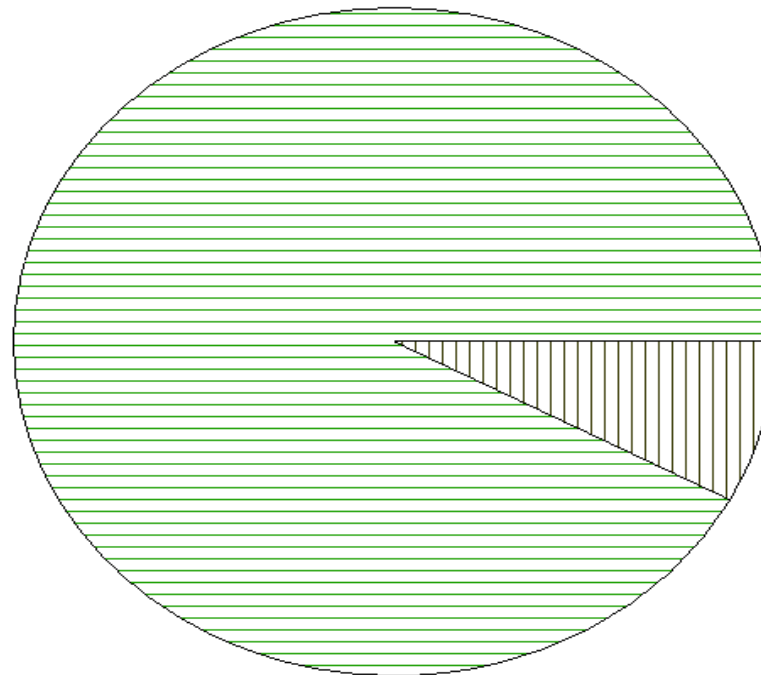
Station Name : Chennur (AP00011)
Local River : Pennar

Seasonal Sediment Load for the Year: 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa

370

Monsoon 668,899



Non-Monsoon 57,247

BED MATERIAL ANALYSIS DATA

RIVER : PENNAR
SITE : CHENNUR

CODE No. : AP000I1
CROSS SECTION : SGL

Sl.No.		DATA FOR SAMPLE COLLECTED												GENERAL DATA OF THE RIVER											
	DATE OF COLLECTION	R.D.(m)	LAB NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m³/s)	Bed Material Composition			WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m³/s)	Bed Material Composition						
											MAX. SIZE (mm)	MIN. SIZE (mm)	MEAN SIZE (mm)						MAX. SIZE (mm)	MIN. SIZE (mm)	MEAN SIZE (mm)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22				
	MONSOON 2016																								
1	Sample Not Collected																								
2																									
3																									
4																									
5																									
6																									
7																									
	POST MONSOON 2017											27/02/2017													
1	27/02/2017	180	26	117.420	-	-	-	-	-	-	12.0	0.060	1.09	River Dry Bed				18.0				0.060		1.361	
2	27/02/2017	290	27	118.200	-	-	-	-	-	-	7.0	0.060	1.09												
3	27/02/2017	400	28	118.110	-	-	-	-	-	-	11.0	0.060	1.15												
4	27/02/2017	510	29	117.640	-	-	-	-	-	-	12.0	0.060	1.57												
5	27/02/2017	620	30	116.080	-	-	-	-	-	-	18.0	0.060	2.51												
6	27/02/2017	730	31	116.770	-	-	-	-	-	-	8.0	0.060	1.11												
7	27/02/2017	840	32	117.020	-	-	-	-	-	-	15.0	0.060	1.01												
	PRE MONSOON 2017											08/05/2017													
1	08/05/2017	180	69	117.605	-	-	-	-	-	-	15.0	0.060	1.29	River Dry Bed				25.0				0.060		1.434	
2	08/05/2017	290	70	118.355	-	-	-	-	-	-	11.0	0.060	1.44												
3	08/05/2017	400	71	117.540	-	-	-	-	-	-	8.0	0.060	1.03												
4	08/05/2017	510	72	117.400	-	-	-	-	-	-	12.0	0.060	1.18												
5	08/05/2017	620	73	116.050	-	-	-	-	-	-	7.0	0.060	1.77												
6	08/05/2017	730	74	116.730	-	-	-	-	-	-	7.0	0.060	1.08												
7	08/05/2017	840	75	117.260	-	-	-	-	-	-	25.0	0.060	2.25												

Annual Sediment Load for period : 1997-2017

Station Name : Alladupalli (APF00B8)

Division : Hydrology Division, Chennai

Local River : Kunderu

Sub-Division : PSD, Kadapa

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1997-1998	684828	9164	693991	1257
1998-1999	SEDIMENT DATA NOT PUBLISHED			2797
1999-2000	SEDIMENT DATA NOT PUBLISHED			1241
2000-2001	1422669	56304	1478973	3652
2001-2002	SEDIMENT OBSERVATION NOT DONE			1530
2002-2003	199991	241	200232	226
2003-2004	331223	2246	333469	275
2004-2005	286427	6163	292590	1372
2005-2006	557405	12877	570282	3540
2006-2007	SEDIMENT OBSERVATION NOT DONE			1623
2007-2008	SEDIMENT OBSERVATION NOT DONE			2894
2008-2009	965	303	1267	893
2009-2010	396235	19186	415421	2092
2010-2011	365263	184476	549739	3131
2011-2012	364667	59298	423965	2001
2012-2013	134951	13281	148233	639
2013-2014	491340	41967	533307	3184
2014-2015	322327	24822	347148	2879
2015-2016	27337	1921	29258	279
2016-2017	219931	41614	261545	2487

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Alladupalli (APF00B8)

Local River : Kunderu

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

Day	Jun						Jul							Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	
1	0.000	0.000	0.000	0.000	0.000	0	21.25	0.000	0.000	0.083	0.083	153	37.51	0.000	0.000	0.106	0.106	344	
2	0.000	0.000	0.000	0.000	0.000	0	7.036	0.000	0.000	0.072	0.072	44	38.30	0.000	0.000	0.133	0.133	441	
3	0.000	0.000	0.000	0.000	0.000	0	7.076	0.000	0.000	0.072	0.072	44	49.66	0.000	0.000	0.118	0.118	505	
4	0.000	0.000	0.000	0.000	0.000	0	6.015	0.000	0.000	0.088	0.088	46	48.56	0.000	0.000	0.095	0.095	399	
5	0.000	0.000	0.000	0.000	0.000	0	5.246	0.000	0.000	0.119	0.119	54	39.79	0.000	0.000	0.077	0.077	264	
6	0.000	0.000	0.000	0.000	0.000	0	4.580	0.000	0.000	0.083	0.083	33	28.43	0.000	0.000	0.087	0.087	213	
7	3.607	0.000	0.000	0.149	0.149	47	4.327	0.000	0.000	0.101	0.101	38	27.94	0.000	0.000	0.087	0.087	211	
8	6.371	0.000	0.000	0.108	0.108	59	3.582	0.000	0.000	0.154	0.154	48	26.17	0.000	0.000	0.089	0.089	201	
9	6.813	0.000	0.000	0.119	0.119	70	3.138	0.000	0.000	0.129	0.129	35	4.838	0.000	0.000	0.129	0.129	54	
10	5.148	0.000	0.000	0.149	0.149	66	0.992	0.000	0.000	0.131	0.131	11	38.16	0.000	0.000	0.170	0.170	562	
11	4.406	0.000	0.000	0.089	0.089	34	0.728	0.000	0.000	0.132	0.132	8	49.57	0.000	0.000	0.141	0.141	606	
12	4.941	0.000	0.000	0.097	0.097	42	0.771	0.000	0.000	0.132	0.132	9	11.22	0.000	0.000	0.093	0.093	90	
13	4.033	0.000	0.000	0.083	0.083	29	0.778	0.000	0.000	0.132	0.132	9	151.8	0.000	0.000	0.088	0.088	1154	
14	2.241	0.000	0.000	0.084	0.084	16	0.599	0.000	0.000	0.132	0.132	7	125.9	0.000	0.000	0.066	0.066	718	
15	2.212	0.000	0.000	0.071	0.071	14	0.335	0.000	0.000	0.132	0.132	4	122.1	0.000	0.000	0.063	0.063	663	
16	2.009	0.000	0.000	0.199	0.199	35	0.380	0.000	0.000	0.132	0.132	4	142.6	0.000	0.000	0.080	0.080	988	
17	1.955	0.000	0.000	0.132	0.132	22	0.438	0.000	0.000	0.132	0.132	5	98.09	0.000	0.000	0.108	0.108	913	
18	1.925	0.000	0.000	0.283	0.283	47	0.613	0.000	0.000	0.132	0.132	7	26.54	0.000	0.000	0.067	0.067	154	
19	1.466	0.000	0.000	0.215	0.215	27	0.593	0.000	0.000	0.132	0.132	7	13.21	0.000	0.000	0.199	0.199	228	
20	1.209	0.000	0.000	0.178	0.178	19	0.661	0.000	0.000	0.132	0.132	8	13.74	0.000	0.000	0.139	0.139	165	
21	1.209	0.000	0.000	0.178	0.178	19	0.668	0.000	0.000	0.132	0.132	8	16.75	0.000	0.000	0.135	0.135	195	
22	1.334	0.000	0.000	0.196	0.196	23	0.698	0.000	0.000	0.132	0.132	8	39.49	0.000	0.000	0.102	0.102	348	
23	2.041	0.000	0.000	0.162	0.162	29	0.582	0.000	0.000	0.132	0.132	7	39.11	0.000	0.000	0.154	0.154	521	
24	2.002	0.000	0.000	0.134	0.134	23	0.438	0.000	0.000	0.132	0.132	5	43.67	0.000	0.000	0.121	0.121	455	
25	4.673	0.000	0.000	0.197	0.197	79	0.457	0.000	0.000	0.132	0.132	5	71.57	0.000	0.000	0.151	0.151	931	
26	11.72	0.000	0.000	0.161	0.161	163	0.453	0.000	0.000	0.132	0.132	5	28.03	0.000	0.000	0.104	0.104	252	
27	23.72	0.000	0.000	0.093	0.093	191	27.51	0.000	0.000	0.100	0.100	238	13.95	0.000	0.000	0.101	0.101	122	
28	27.49	0.000	0.000	0.084	0.084	200	110.6	0.000	0.000	0.131	0.131	1249	7.034	0.000	0.000	0.133	0.133	81	
29	24.59	0.000	0.000	0.082	0.082	173	38.04	0.000	0.000	0.108	0.108	356	11.94	0.000	0.000	0.110	0.110	114	
30	21.59	0.000	0.000	0.089	0.089	166	135.2	0.000	0.000	0.129	0.129	1507	679.1	0.000	0.000	0.108	0.108	6331	
31							34.62	0.000	0.000	0.106	0.106	316	836.5	0.000	0.000	0.106	0.106	7625	
Ten Daily Mean																			
Ten Daily I	2.194	0.000	0.000	0.053	0.053	24	6.324	0.000	0.000	0.103	0.103	50	33.94	0.000	0.000	0.109	0.109	319	
Ten Daily II	2.640	0.000	0.000	0.143	0.143	28	0.590	0.000	0.000	0.132	0.132	7	75.48	0.000	0.000	0.104	0.104	568	
Ten Daily III	12.04	0.000	0.000	0.138	0.138	107	31.76	0.000	0.000	0.124	0.124	337	162.5	0.000	0.000	0.120	0.120	1543	
Monthly																			

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Alladupalli (APF00B8)

Local River : Kunderu

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	1126	0.000	0.000	0.171	0.171	16641	422.1	0.000	0.000	0.070	0.070	2564	132.1	0.000	0.000	0.039	0.039	449
2	376.6	0.000	0.000	0.189	0.189	6143	317.8	0.000	0.000	0.058	0.058	1604	141.0	0.000	0.000	0.071	0.071	870
3	161.0	0.000	0.000	0.146	0.146	2026	289.6	0.000	0.000	0.055	0.055	1381	153.4	0.000	0.000	0.057	0.057	750
4	90.14	0.000	0.000	0.178	0.178	1385	257.9	0.000	0.000	0.036	0.036	802	139.5	0.000	0.000	0.040	0.040	483
5	57.75	0.000	0.000	0.194	0.194	966	227.9	0.000	0.000	0.042	0.042	827	142.0	0.000	0.000	0.032	0.032	392
6	44.23	0.000	0.000	0.200	0.200	764	169.7	0.000	0.000	0.052	0.052	758	139.9	0.000	0.000	0.041	0.041	494
7	55.17	0.000	0.000	0.109	0.109	518	157.6	0.000	0.000	0.060	0.060	810	135.7	0.000	0.000	0.059	0.059	690
8	45.06	0.000	0.000	0.244	0.244	949	159.0	0.000	0.000	0.059	0.059	804	133.0	0.000	0.000	0.064	0.064	733
9	59.44	0.000	0.000	0.193	0.193	993	228.8	0.000	0.000	0.037	0.037	722	126.3	0.000	0.000	0.046	0.046	501
10	60.09	0.000	0.000	0.186	0.186	963	244.8	0.000	0.000	0.031	0.031	664	159.9	0.000	0.000	0.041	0.041	572
11	299.4	0.000	0.000	0.199	0.199	5145	181.6	0.000	0.000	0.047	0.047	742	111.1	0.000	0.000	0.033	0.033	318
12	141.5	0.000	0.000	0.094	0.094	1149	215.9	0.000	0.000	0.039	0.039	722	111.9	0.000	0.000	0.070	0.070	681
13	366.2	0.000	0.000	0.148	0.148	4673	165.9	0.000	0.000	0.051	0.051	735	116.4	0.000	0.000	0.070	0.070	703
14	422.0	0.000	0.000	0.161	0.161	5870	151.0	0.000	0.000	0.042	0.042	548	116.4	0.000	0.000	0.070	0.070	703
15	607.7	0.000	0.000	0.150	0.150	7892	140.6	0.000	0.000	0.070	0.070	849	144.3	0.000	0.000	0.067	0.067	830
16	939.9	0.000	0.000	0.082	0.082	6667	127.9	0.000	0.000	0.070	0.070	776	134.6	0.000	0.000	0.047	0.047	546
17	688.1	0.000	0.000	0.110	0.110	6540	122.5	0.000	0.000	0.070	0.070	744	153.3	0.000	0.000	0.031	0.031	407
18	396.9	0.000	0.000	0.101	0.101	3474	144.0	0.000	0.000	0.050	0.050	616	169.7	0.000	0.000	0.062	0.062	902
19	278.2	0.000	0.000	0.098	0.098	2348	139.7	0.000	0.000	0.055	0.055	669	158.7	0.000	0.000	0.026	0.026	358
20	203.3	0.000	0.000	0.102	0.102	1798	127.0	0.000	0.000	0.062	0.062	679	161.2	0.000	0.000	0.013	0.013	174
21	459.9	0.000	0.000	0.139	0.139	5523	127.7	0.000	0.000	0.044	0.044	489	151.5	0.000	0.000	0.065	0.065	853
22	493.3	0.000	0.000	0.127	0.127	5430	128.2	0.000	0.000	0.054	0.054	597	152.3	0.000	0.000	0.030	0.030	396
23	641.5	0.000	0.000	0.199	0.199	11025	118.3	0.000	0.000	0.031	0.031	315	139.8	0.000	0.000	0.064	0.064	767
24	755.9	0.000	0.000	0.200	0.200	13082	129.4	0.000	0.000	0.057	0.057	634	132.6	0.000	0.000	0.037	0.037	427
25	528.4	0.000	0.000	0.168	0.168	7647	129.4	0.000	0.000	0.050	0.050	563	122.0	0.000	0.000	0.035	0.035	368
26	428.8	0.000	0.000	0.153	0.153	5672	129.3	0.000	0.000	0.039	0.039	430	121.9	0.000	0.000	0.039	0.039	409
27	359.8	0.000	0.000	0.152	0.152	4728	133.0	0.000	0.000	0.058	0.058	663	100.2	0.000	0.000	0.067	0.067	582
28	493.8	0.000	0.000	0.178	0.178	7576	131.6	0.000	0.000	0.034	0.034	384	65.90	0.000	0.000	0.112	0.112	638
29	355.0	0.000	0.000	0.141	0.141	4331	127.9	0.000	0.000	0.033	0.033	362	79.04	0.000	0.000	0.079	0.079	540
30	411.7	0.000	0.000	0.169	0.169	5994	124.0	0.000	0.000	0.032	0.032	341	66.23	0.000	0.000	0.079	0.079	454
31							132.4	0.000	0.000	0.046	0.046	521						
Ten Daily Mean																		
Ten Daily I	207.6	0.000	0.000	0.181	0.181	3135	247.5	0.000	0.000	0.050	0.050	1094	140.3	0.000	0.000	0.049	0.049	593
Ten Daily II	434.3	0.000	0.000	0.125	0.125	4556	151.6	0.000	0.000	0.056	0.056	708	137.8	0.000	0.000	0.049	0.049	562
Ten Daily III	492.8	0.000	0.000	0.163	0.163	7101	128.3	0.000	0.000	0.043	0.043	482	113.2	0.000	0.000	0.061	0.061	543
Monthly																		
Total						147914	23315						16988					

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Alladupalli (APF00B8)

Local River : Kunderu

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

Day	Dec						Jan						Feb							
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day		
1	66.79	0.000	0.000	0.119	0.119	686	73.64	0.000	0.000	0.110	0.110	702	10.70	0.000	0.000	0.185	0.185	171		
2	86.50	0.000	0.000	0.157	0.157	1175	63.83	0.000	0.000	0.146	0.146	805	9.884	0.000	0.000	0.106	0.106	90		
3	113.9	0.000	0.000	0.057	0.057	561	64.13	0.000	0.000	0.121	0.121	668	8.885	0.000	0.000	0.116	0.116	89		
4	110.8	0.000	0.000	0.060	0.060	572	65.93	0.000	0.000	0.094	0.094	534	8.839	0.000	0.000	0.099	0.099	75		
5	129.2	0.000	0.000	0.044	0.044	486	70.96	0.000	0.000	0.089	0.089	546	6.925	0.000	0.000	0.119	0.119	71		
6	135.1	0.000	0.000	0.061	0.061	707	68.67	0.000	0.000	0.153	0.153	905	3.321	0.000	0.000	0.156	0.156	45		
7	126.2	0.000	0.000	0.052	0.052	567	62.01	0.000	0.000	0.106	0.106	569	2.962	0.000	0.000	0.320	0.320	82		
8	86.39	0.000	0.000	0.131	0.131	981	60.94	0.000	0.000	0.111	0.111	586	4.412	0.000	0.000	0.255	0.255	97		
9	86.95	0.000	0.000	0.160	0.160	1205	47.34	0.000	0.000	0.176	0.176	719	4.518	0.000	0.000	0.249	0.249	97		
10	70.76	0.000	0.000	0.149	0.149	910	48.29	0.000	0.000	0.010	0.010	42	3.532	0.000	0.000	0.304	0.304	93		
11	82.44	0.000	0.000	0.122	0.122	870	44.35	0.000	0.000	0.087	0.087	335	3.613	0.000	0.000	0.403	0.403	126		
12	112.4	0.000	0.000	0.053	0.053	517	44.61	0.000	0.000	0.112	0.112	432	3.507	0.000	0.000	0.397	0.397	120		
13	109.3	0.000	0.000	0.056	0.056	524	36.98	0.000	0.000	0.195	0.195	621	3.139	0.000	0.000	0.377	0.377	102		
14	138.6	0.000	0.000	0.034	0.034	412	39.57	0.000	0.000	0.208	0.208	711	1.694	0.000	0.000	0.204	0.204	30		
15	142.8	0.000	0.000	0.043	0.043	524	42.17	0.000	0.000	0.222	0.222	808	1.285	0.000	0.000	0.154	0.154	17		
16	128.8	0.000	0.000	0.058	0.058	647	37.35	0.000	0.000	0.180	0.180	582	1.244	0.000	0.000	0.149	0.149	16		
17	141.7	0.000	0.000	0.038	0.038	465	34.82	0.000	0.000	0.113	0.113	339	1.104	0.000	0.000	0.133	0.133	13		
18	113.9	0.000	0.000	0.033	0.033	325	37.05	0.000	0.000	0.113	0.113	361	0.812	0.000	0.000	0.098	0.098	7		
19	112.2	0.000	0.000	0.033	0.033	317	31.52	0.000	0.000	0.139	0.139	378	0.714	0.000	0.000	0.086	0.086	5		
20	86.95	0.000	0.000	0.085	0.085	639	31.85	0.000	0.000	0.159	0.159	438	0.772	0.000	0.000	0.093	0.093	6		
21	80.07	0.000	0.000	0.144	0.144	993	25.09	0.000	0.000	0.249	0.249	540	0.560	0.000	0.000	0.067	0.067	3		
22	80.94	0.000	0.000	0.121	0.121	843	25.22	0.000	0.000	0.248	0.248	541	0.538	0.000	0.000	0.065	0.065	3		
23	86.24	0.000	0.000	0.100	0.100	747	30.41	0.000	0.000	0.204	0.204	535	0.487	0.000	0.000	0.059	0.059	2		
24	80.61	0.000	0.000	0.085	0.085	591	25.43	0.000	0.000	0.148	0.148	325	0.483	0.000	0.000	0.058	0.058	2		
25	76.09	0.000	0.000	0.096	0.096	632	18.37	0.000	0.000	0.159	0.159	252	0.357	0.000	0.000	0.043	0.043	1		
26	71.41	0.000	0.000	0.108	0.108	666	19.69	0.000	0.000	0.170	0.170	289	0.000	0.000	0.000	0.000	0.000	0		
27	87.08	0.000	0.000	0.091	0.091	685	17.95	0.000	0.000	0.233	0.233	361	0.000	0.000	0.000	0.000	0.000	0		
28	70.65	0.000	0.000	0.140	0.140	856	16.70	0.000	0.000	0.262	0.262	378	0.000	0.000	0.000	0.000	0.000	0		
29	79.10	0.000	0.000	0.104	0.104	711	17.47	0.000	0.000	0.272	0.272	411								
30	70.72	0.000	0.000	0.096	0.096	587	16.12	0.000	0.000	0.170	0.170	237								
31	72.56	0.000	0.000	0.114	0.114	716	10.54	0.000	0.000	0.206	0.206	188								
Ten Daily Mean																				
Ten Daily I	101.3	0.000	0.000	0.099	0.099	785	62.57	0.000	0.000	0.112	0.112	608	6.398	0.000	0.000	0.191	0.191	91		
Ten Daily II	116.9	0.000	0.000	0.055	0.055	524	38.03	0.000	0.000	0.153	0.153	501	1.788	0.000	0.000	0.209	0.209	44		
Ten Daily III	77.77	0.000	0.000	0.109	0.109	730	20.27	0.000	0.000	0.211	0.211	369	0.303	0.000	0.000	0.036	0.036	2		
Monthly																				
Total						21118							15137							1365

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Alladupalli (APF00B8)

Local River : Kunderu

Division : Hydrology Division, Chennai

Sub-Division : PSD, Kadapa

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.208	0.000	0.000	0.008	0.008	0	8.131	0.000	0.000	0.082	0.082	57
2	0.000	0.000	0.000	0.000	0.000	0	0.168	0.000	0.000	0.007	0.007	0	10.77	0.000	0.000	0.112	0.112	104
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	7.368	0.000	0.000	0.097	0.097	62
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	4.607	0.000	0.000	0.159	0.159	63
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.333	0.000	0.000	0.154	0.154	44
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	1.795	0.000	0.000	0.083	0.083	13
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	1.881	0.000	0.000	0.087	0.087	14
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	1.712	0.000	0.000	0.079	0.079	12
9	0.000	0.000	0.000	0.000	0.000	0	0.168	0.000	0.000	0.000	0.000	0	1.150	0.000	0.000	0.053	0.053	5
10	0.000	0.000	0.000	0.000	0.000	0	7.161	0.000	0.000	0.137	0.137	85	0.898	0.000	0.000	0.041	0.041	3
11	4.501	0.000	0.000	0.299	0.299	116	8.316	0.000	0.000	0.158	0.158	114	0.915	0.000	0.000	0.042	0.042	3
12	6.018	0.000	0.000	0.399	0.399	208	8.503	0.000	0.000	0.173	0.173	127	1.105	0.000	0.000	0.051	0.051	5
13	3.814	0.000	0.000	0.174	0.174	57	11.65	0.000	0.000	0.099	0.099	99	0.889	0.000	0.000	0.041	0.041	3
14	3.887	0.000	0.000	0.270	0.270	91	10.09	0.000	0.000	0.484	0.484	422	0.803	0.000	0.000	0.037	0.037	3
15	4.029	0.000	0.000	0.302	0.302	105	11.57	0.000	0.000	0.110	0.110	110	0.989	0.000	0.000	0.046	0.046	4
16	4.166	0.000	0.000	0.297	0.297	107	10.09	0.000	0.000	0.184	0.184	160	1.105	0.000	0.000	0.051	0.051	5
17	4.020	0.000	0.000	0.286	0.286	99	11.68	0.000	0.000	0.104	0.104	105	1.031	0.000	0.000	0.048	0.048	4
18	4.072	0.000	0.000	0.136	0.136	48	11.11	0.000	0.000	0.164	0.164	158	0.921	0.000	0.000	0.043	0.043	3
19	4.179	0.000	0.000	0.137	0.137	49	10.90	0.000	0.000	0.156	0.156	147	0.907	0.000	0.000	0.042	0.042	3
20	6.602	0.000	0.000	0.158	0.158	90	13.41	0.000	0.000	0.167	0.167	193	0.836	0.000	0.000	0.039	0.039	3
21	4.363	0.000	0.000	0.170	0.170	64	4.756	0.000	0.000	0.158	0.158	65	0.714	0.000	0.000	0.033	0.033	2
22	0.828	0.000	0.000	0.033	0.033	2	3.172	0.000	0.000	0.171	0.171	47	0.825	0.000	0.000	0.038	0.038	3
23	0.839	0.000	0.000	0.033	0.033	2	2.901	0.000	0.000	0.174	0.174	44	0.902	0.000	0.000	0.042	0.042	3
24	0.557	0.000	0.000	0.022	0.022	1	11.89	0.000	0.000	0.079	0.079	81	0.933	0.000	0.000	0.043	0.043	3
25	0.000	0.000	0.000	0.000	0.000	0	11.82	0.000	0.000	0.082	0.082	84	1.008	0.000	0.000	0.047	0.047	4
26	0.000	0.000	0.000	0.000	0.000	0	10.47	0.000	0.000	0.088	0.088	80	1.217	0.000	0.000	0.056	0.056	6
27	0.000	0.000	0.000	0.000	0.000	0	8.302	0.000	0.000	0.110	0.110	79	1.806	0.000	0.000	0.083	0.083	13
28	0.000	0.000	0.000	0.000	0.000	0	5.024	0.000	0.000	0.157	0.157	68	2.193	0.000	0.000	0.101	0.101	19
29	0.000	0.000	0.000	0.000	0.000	0	4.598	0.000	0.000	0.080	0.080	32	3.471	0.000	0.000	0.176	0.176	53
30	0.000	0.000	0.000	0.000	0.000	0	3.723	0.000	0.000	0.080	0.080	26	3.585	0.000	0.000	0.164	0.164	51
31	0.000	0.000	0.000	0.000	0.000	0							2.658	0.000	0.000	0.248	0.248	57
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.770	0.000	0.000	0.015	0.015	8	4.165	0.000	0.000	0.095	0.095	38
Ten Daily II	4.529	0.000	0.000	0.246	0.246	97	10.73	0.000	0.000	0.180	0.180	163	0.950	0.000	0.000	0.044	0.044	4
Ten Daily III	0.599	0.000	0.000	0.023	0.023	6	6.666	0.000	0.000	0.118	0.118	61	1.755	0.000	0.000	0.094	0.094	19
Monthly																		

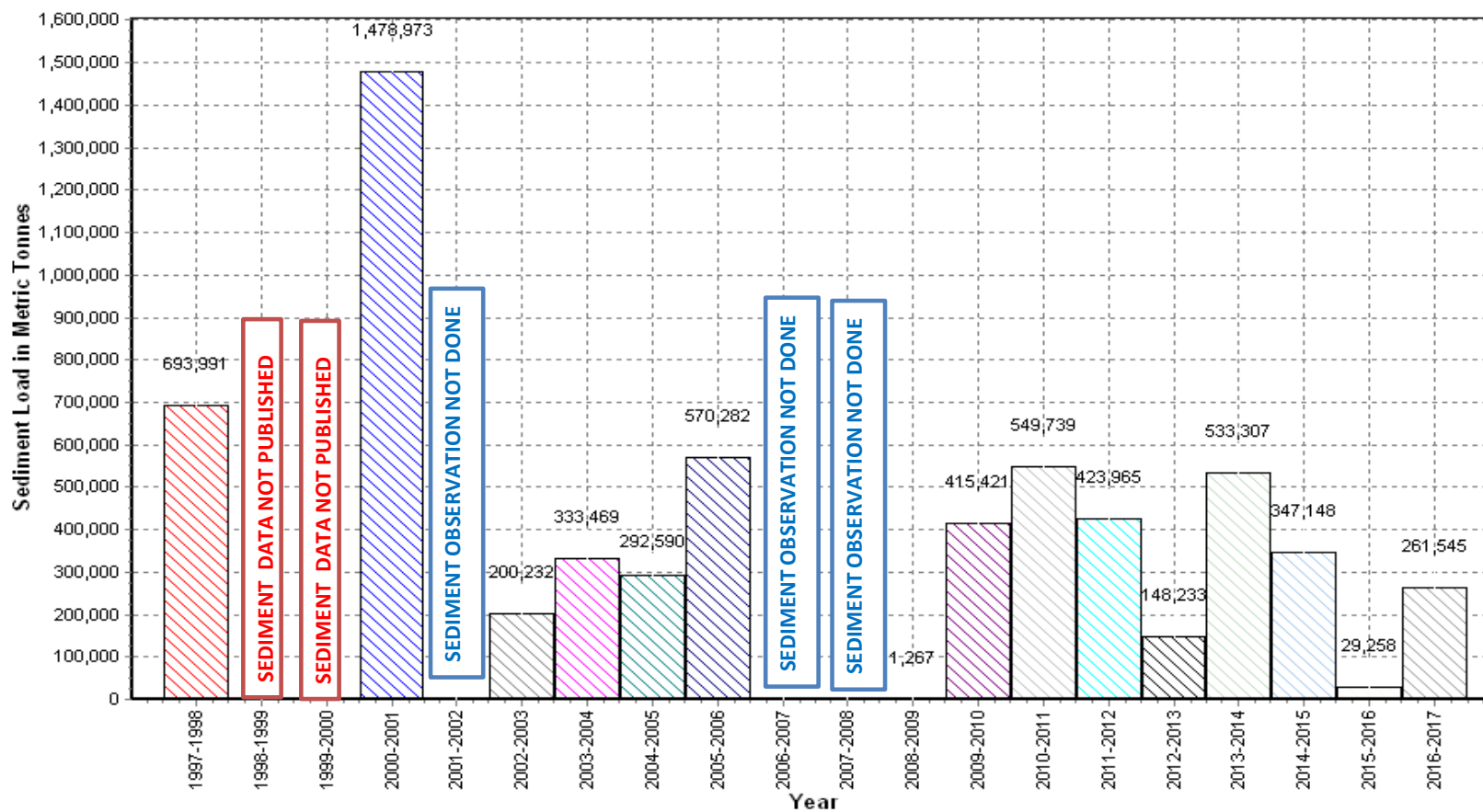
Annual Sediment Load for the period: 1997-2017

Station Name : Alladupalli (APF00B8)

Local River : Kunderu

Division : Hydrology Division, Chennai

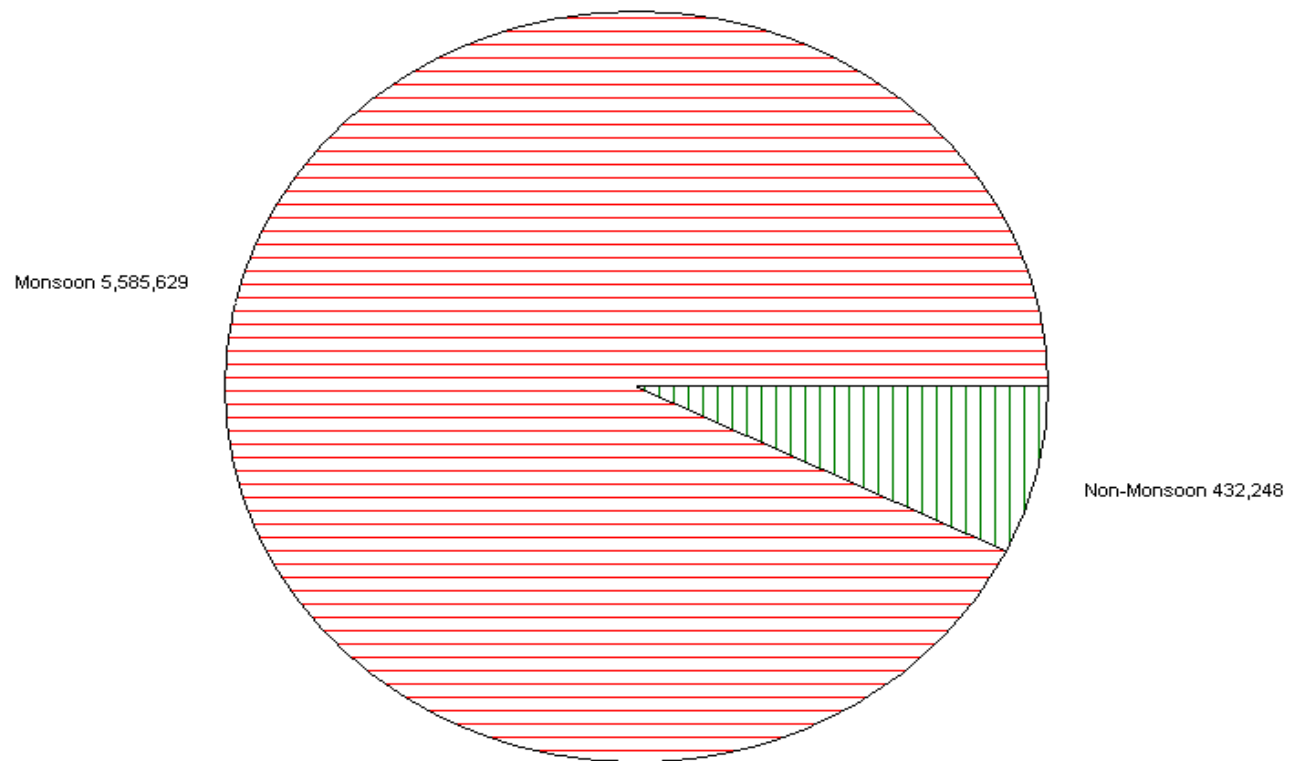
Sub-Division : PSD, Kadapa



Station Name : Alladupalli (APF00B8)
Local River : Kunderu

Seasonal Sediment Load for the period : 1997-2016

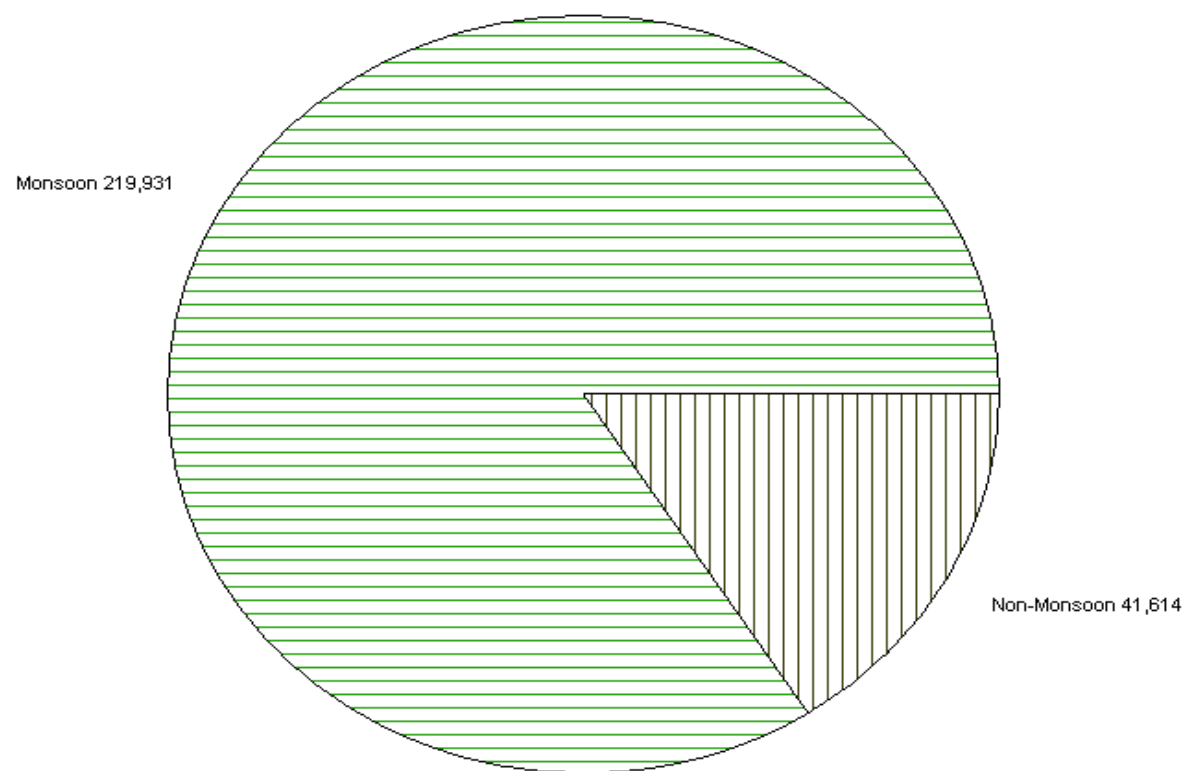
Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



Station Name : Alladupalli (APF00B8)
Local River : Kunderu

Seasonal Sediment Load for the Year: 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PSD, Kadapa



BED MATERIAL ANALYSIS DATA

RIVER : KUNDERU

CODE No. : APF00B8

SITE : ALLADUPALLI

CROSS SECTION : SGL

Sl.No.	DATE OF COLLECTION	DATA FOR SAMPLE COLLECTED											GENERAL DATA OF THE RIVER								
		R.D.(m)	LAB NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m3/s)	Bed Material Composition			WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m3/s)	Bed Material Composition		
											MAX. SIZE (mm)	MIN. SIZE (mm)	MEAN SIZE (mm)						MAX. SIZE (mm)	MIN. SIZE (mm)	MEAN SIZE (mm)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	MONSOON 2016																				
1	Sample Not Collected																				
2																					
3																					
4																					
5																					
	POST MONSOON 2017 27/02/2017																				
1	27/02/2017	140	33	-	132.885	132.995	0.11	400.0	-	-	12.0	0.060	2.27	Stagnant Water							
2	27/02/2017	180	34	134.105	-	-	-	400.0	-	-	19.0	0.060	1.97								
3	27/02/2017	220	35	134.540	-	-	-	400.0	-	-	25.0	0.060	3.88								
4	27/02/2017	260	36	134.370	-	-	-	400.0	-	-	30.0	0.060	4.80								
5	27/02/2017	300	37	135.120	-	-	-	400.0	-	-	27.0	0.060	5.08								
	PRE MONSOON 2017 09/05/2017																				
1	09/05/2017	140	79	-	132.900	133.160	0.26	400.0	0.580	1.151	25.0	0.060	3.16	27.055	0.3457	0.1231	0.0002	1.151	#####	0.060	3.770
2	09/05/2017	180	80	134.110	Dry Bed				400.0	-	-	27.0	0.060	4.95							
3	09/05/2017	220	81	134.530					400.0	-	-	22.0	0.060	3.27							
4	09/05/2017	260	82	134.370					400.0	-	-	21.0	0.060	5.17							
5	09/05/2017	300	83	135.140					400.0	-	-	18.0	0.060	2.30							

Annual Sediment Load for period : 2013-2017

Station Name : Naidupeta (AC000G4)

Division : Hydrology Division, Chennai

Local River : Swarnamukhi

Sub-Division : Palar Ponnaiyar SD, Chennai

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2013-2014	537	270	807	50
2014-2015	95	216	311	24
2015-2016	144567	78170	222737	854
2016-2017	0	5	5	2

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Naidupeta (AC000G4)

Local River : Swarnamukhi

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total							0					0						0

Annual Sediment Load (Metric Tonnes) : 5

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Naidupeta (AC000G4)

Local River : Swarnamukhi

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

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Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total							0					0						0

Annual Sediment Load (Metric Tonnes) : 5

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Naidupeta (AC000G4)

Local River : Swarnamukhi

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

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Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.852	0.000	0.000	0.003	0.003	1
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.819	0.000	0.000	0.003	0.003	1
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.650	0.000	0.000	0.003	0.003	1
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.500	0.000	0.000	0.003	0.003	1
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.400	0.000	0.000	0.003	0.003	1
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.133	0.000	0.000	0.003	0.003	1
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	1.949	0.000	0.000	0.003	0.003	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
31	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.163	0.000	0.000	0.003	0.003	1
Monthly																		
Total						0						0						5

Annual Sediment Load (Metric Tonnes) : 5

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Naidupeta (AC000G4)

Local River : Swarnamukhi

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

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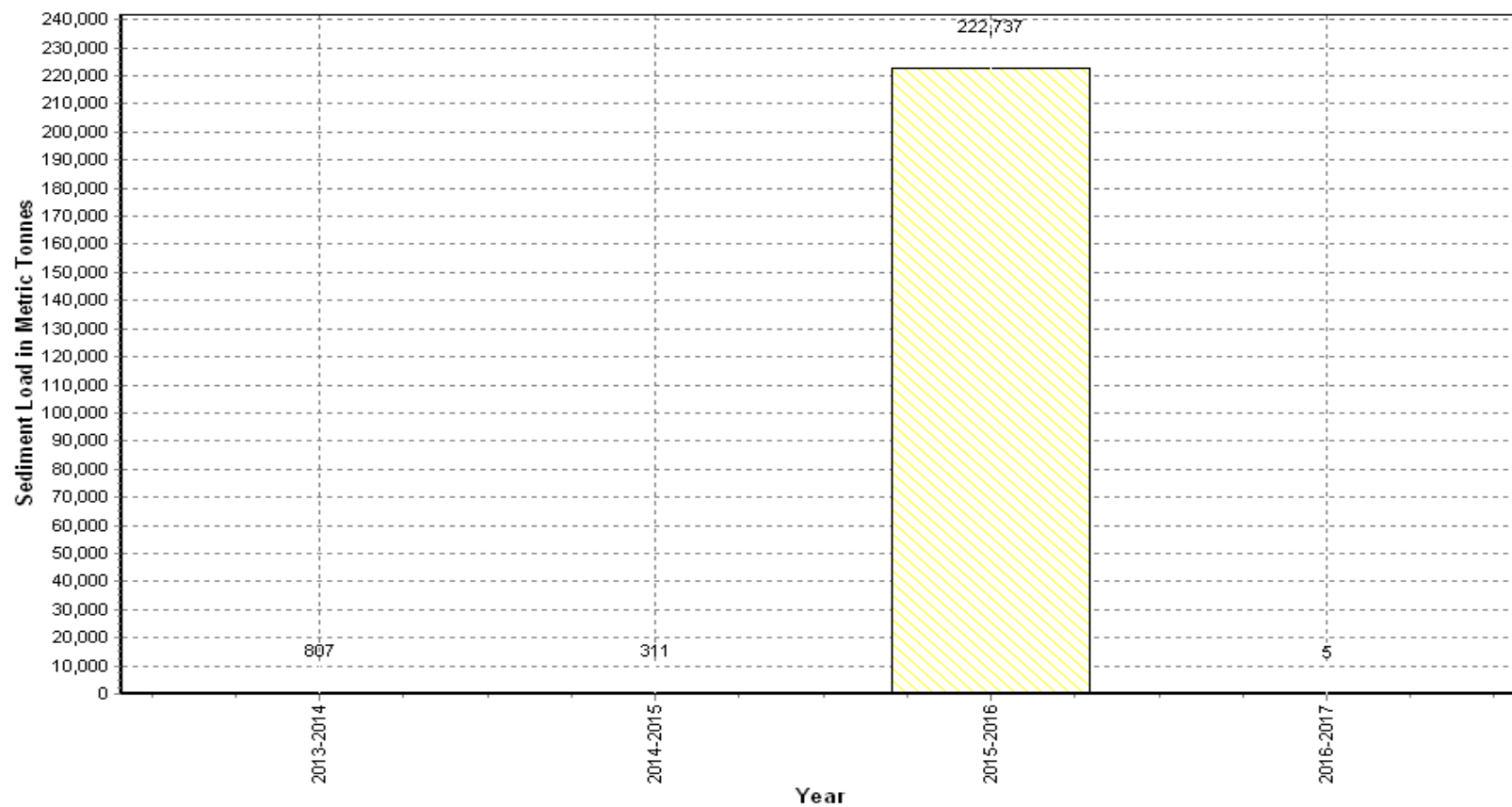
Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	1.632	0.000	0.000	0.003	0.003	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	1.438	0.000	0.000	0.002	0.002	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	1.239	0.000	0.000	0.002	0.002	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.431	0.000	0.000	0.001	0.001	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						1						0						0

Annual Sediment Load (Metric Tonnes) : 5

Station Name : Naidupeta (AC000G4)
Local River : Swarnamukhi

Annual Sediment Load for the period: 2013-2017

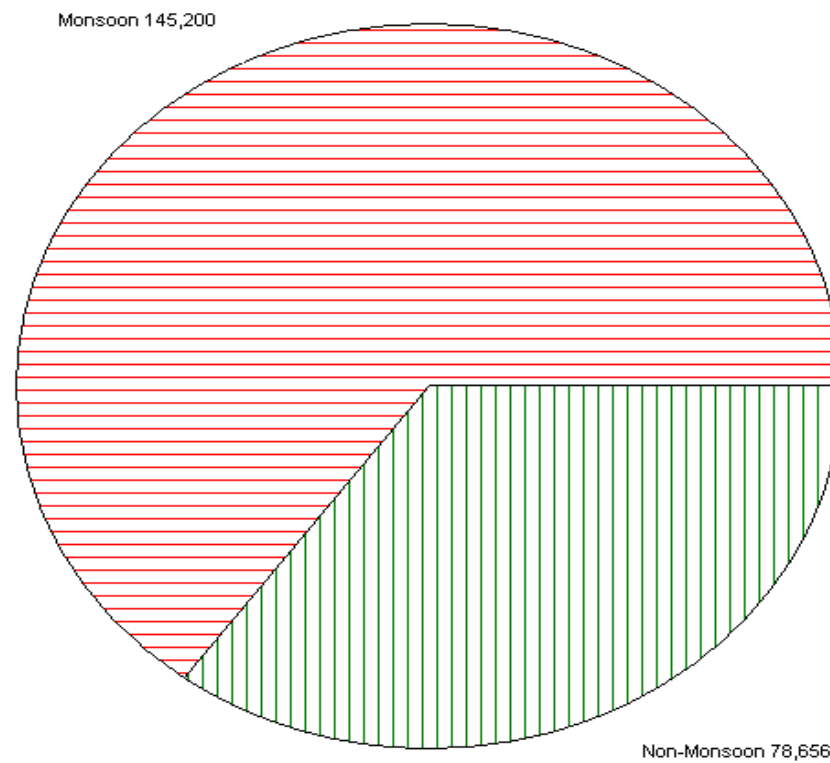
Division : Hydrology Division, Chennai
Sub-Division : Palar Ponnaiyar SD, Chennai



Station Name : Naidupeta (AC000G4)
Local River : Swarnamukhi

Seasonal Sediment Load for the period : 2013-2016

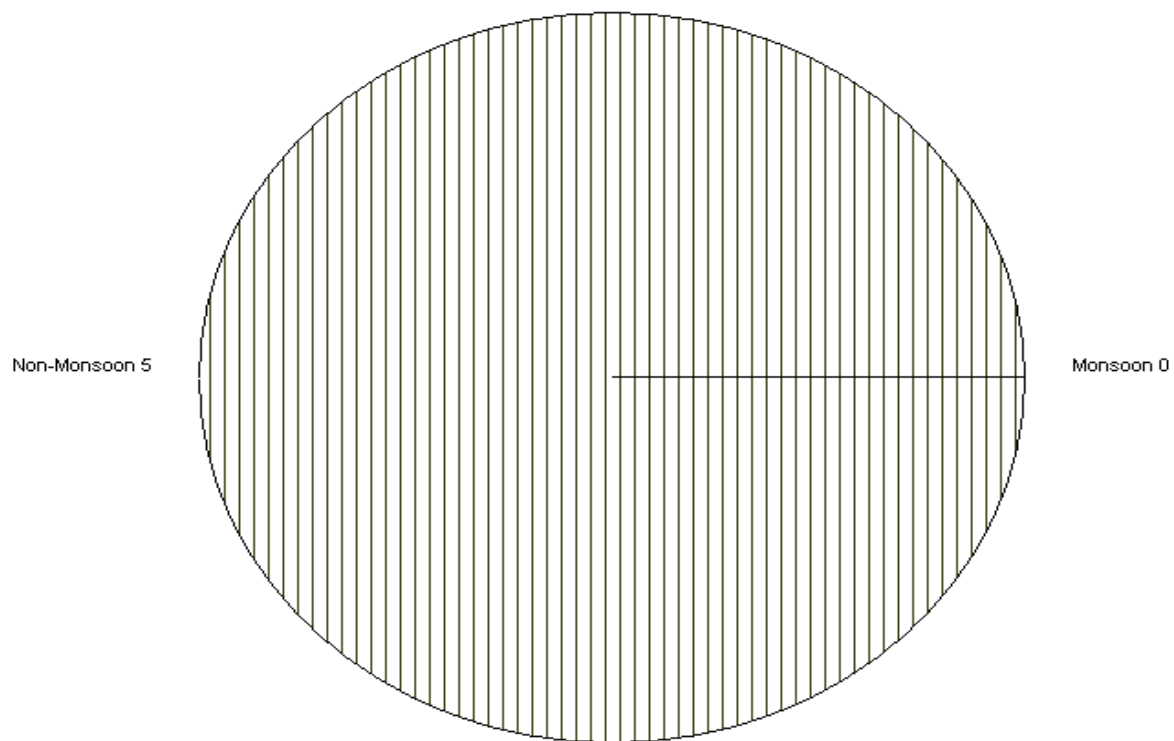
Division : Hydrology Division, Chennai
Sub-Division : Palar Ponnaiyar SD, Chennai



Station Name : Naidupeta (AC000G4)
Local River : Swarnamukhi

Seasonal Sediment Load for the Year: 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : Palar Ponnaiyar SD, Chennai



BED MATERIAL ANALYSIS DATA

RIVER : SWARNAMUKHI

CODE No. : AC000G4

SITE : NAIDUPETA

CROSS SECTION : SGL

Sl.No.	DATE OF COLLECTION	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER										
		R.D.(m)	LAB NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m3/s)	Bed Material Composition			WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m3/s)	Bed Material Composition			
											MAX. SIZE (mm)	MIN. SIZE (mm)	MEAN SIZE (mm)						MAX. SIZE (mm)	MIN. SIZE (mm)	MEAN SIZE (mm)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
MONSOON 2016 17/08/2016																						
1	17/08/2016	80	12	20.465	Dry Bed						4.5	0.060	1.03	River Bed Dry						10.0	0.060	1.074
2	17/08/2016	150	13	20.335							7.0	0.060	0.97									
3	17/08/2016	220	14	21.920							10.0	0.060	1.39									
4	17/08/2016	290	15	22.190							9.0	0.060	1.08									
5	17/08/2016	360	16	21.680							7.0	0.060	0.90									
POST MONSOON 2017 14/02/2017																						
1	14/02/2017	80	58	20.400	Dry Bed						6.0	0.060	0.81	River Bed Dry						9.0	0.060	0.948
2	14/02/2017	150	59	20.395							7.0	0.060	0.88									
3	14/02/2017	220	60	21.025							9.0	0.060	1.23									
4	14/02/2017	290	61	21.465							8.0	0.060	1.01									
5	14/02/2017	360	62	22.775							4.5	0.060	0.81									
PRE MONSOON 2017 23/05/2017																						
1	23/05/2017	80	95	20.360	Dry Bed						4.5	0.060	0.73	River Bed Dry						12.0	0.060	0.932
2	23/05/2017	150	96	20.505							6.0	0.060	0.79									
3	23/05/2017	220	97	21.855							12.0	0.060	1.27									
4	23/05/2017	290	98	22.125							7.0	0.060	1.05									
5	23/05/2017	360	99	21.675							6.0	0.060	0.82									

Annual Sediment Load for period : 2013-2017

Station Name : Sulurpet (AB000N5)

Division : Hydrology Division, Chennai

Local River : Kalingi

Sub-Division : PPSD, Chennai

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2013-2014	159	0	159	12
2014-2015	121	44	164	18
2015-2016	4032	1502	5533	550
2016-2017	0	12	12	1

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Sulurpet (AB000N5)

Local River : Kalingi

Division : Hydrology Division, Chennai

Sub-Division : PPSPD, Chennai

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 12

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Sulurpet (AB000N5)

Local River : Kalingi

Division : Hydrology Division, Chennai

Sub-Division : PPSPD, Chennai

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

392

Annual Sediment Load (Metric Tonnes) : 12

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Sulurpet (AB000N5)

Local River : Kalingi

Division : Hydrology Division, Chennai

Sub-Division : PPSPD, Chennai

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	4.872	0.000	0.000	0.024	0.024	10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.959	0.000	0.000	0.021	0.021	2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
31	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.583	0.000	0.000	0.004	0.004	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						12						0						0

393

Annual Sediment Load (Metric Tonnes) : 12

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Sulurpet (AB000N5)

Local River : Kalingi

Division : Hydrology Division, Chennai

Sub-Division : PPSPD, Chennai

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

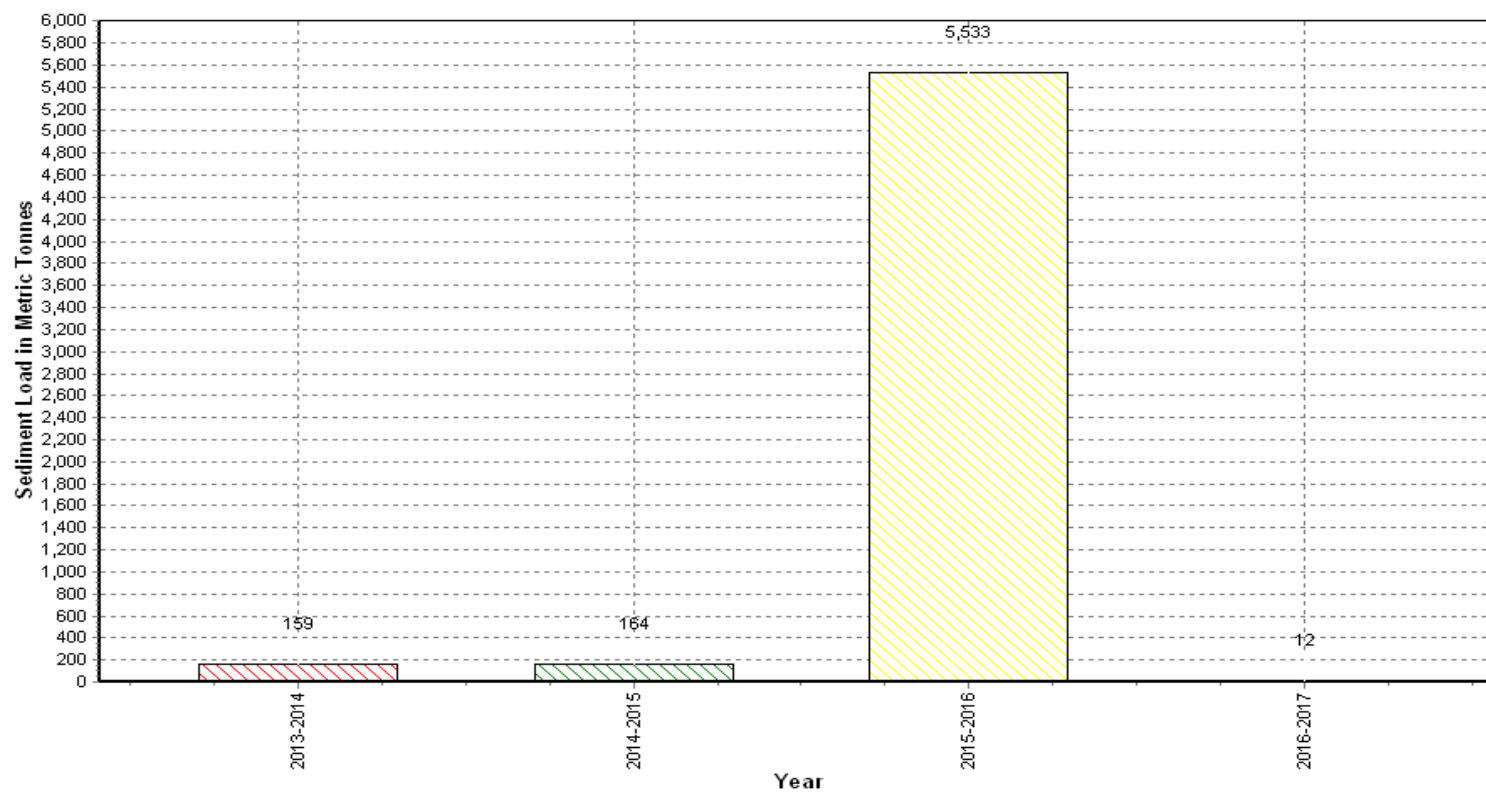
394

Annual Sediment Load (Metric Tonnes) : 12

Station Name : Sulurpet (AB000N5)
Local River : Kalingi

Annual Sediment Load for the period: 2013-2017

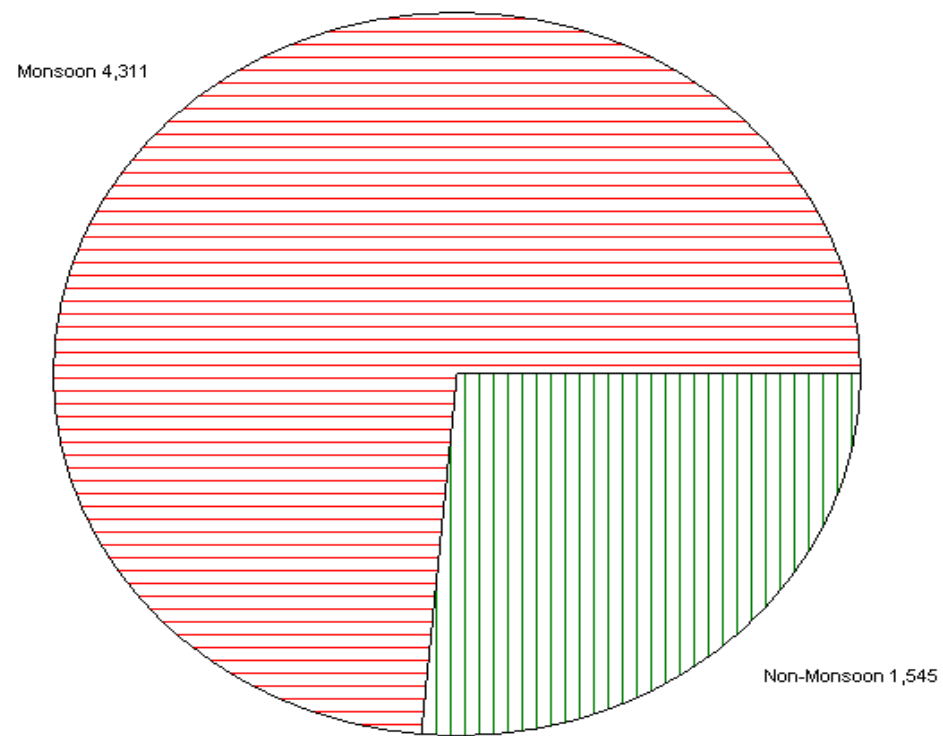
Division : Hydrology Division, Chennai
Sub-Division : PPSD, Chennai



Station Name : Sulurpet (AB000N5)
Local River : Kalingi

Seasonal Sediment Load for the period : 2013-2016

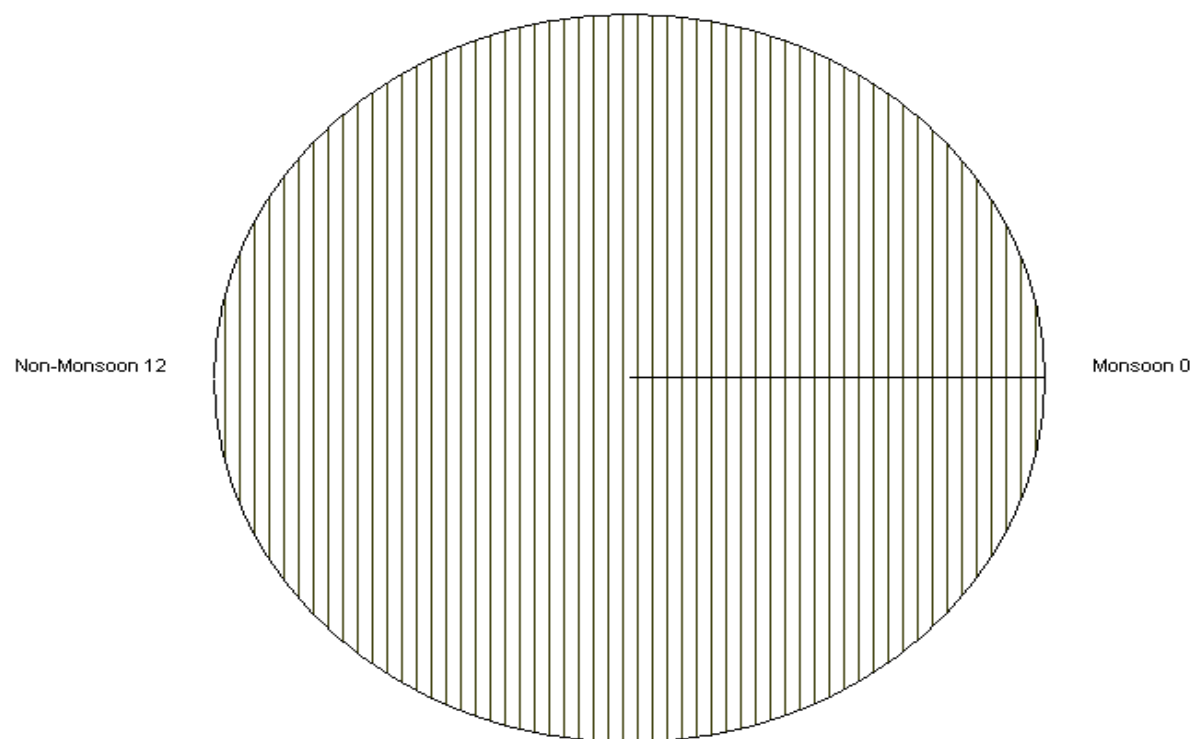
Division : Hydrology Division, Chennai
Sub-Division : PPSP, Chennai



Station Name : Sulurpet (AB000N5)
Local River : Kalingi

Seasonal Sediment Load for the Year: 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : PPSP, Chennai



BED MATERIAL ANALYSIS DATA

RIVER : KALINGI

CODE No. : AB000N5

SITE : SULURPET

CROSS SECTION : SGL

Sl.No.		DATA FOR SAMPLE COLLECTED											GENERAL DATA OF THE RIVER									
	DATE OF COLLECTION	R.D.(m)	LAB NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m3/s)	Bed Material Composition			WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m3/s)	Bed Material Composition			
											MAX. SIZE (mm)	MIN. SIZE (mm)	MEAN SIZE (mm)						MAX. SIZE (mm)	MIN. SIZE (mm)	MEAN SIZE (mm)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
	MONSOON 2016 17/08/2016																					
1	17/08/2016	30	17	-2.000	2.055	Dry Bed					14.0	0.060	0.53	Dry Bed								
2	17/08/2016	70	18	-2.000	0.480						17.0	0.060	1.18									
3	17/08/2016	100	19	-2.000	1.080						25.0	0.060	2.46									25.0
	POST MONSOON 2017 14/02/2017																					
1	14/02/2017	30	55	-2.000	1.990	Dry Bed					7.0	0.060	0.41	Dry Bed								
2	14/02/2017	70	56	-2.000	0.550						27.0	0.060	2.61									
3	14/02/2017	100	57	-2.000	0.710						15.0	0.060	1.18									27.0
	PRE MONSOON 2017 23/05/2017																					
1	23/05/2017	30	76	-2.000	2.000	Dry Bed					7.0	0.060	0.63	Dry Bed								
2	23/05/2017	70	77	-2.000	0.570						10.0	0.060	1.04									
3	23/05/2017	100	78	-2.000	0.805						19.0	0.060	2.16									19.0

Annual Sediment Load for period : 2002-2017

Station Name : VAZHAVACHANUR (CP000H2)

Local River : Ponnaiyar

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2002-2003	89	Sed. Obsn. Not done	89 *	3
2003-2004	195	1304	1500	48
2004-2005	7432	859	8291	195
2005-2006	89530	14983	104513	1253
2006-2007	Sediment Observation not done			20
2007-2008	Sediment Observation not done			83
2008-2009	Sed. Obsn. Not done	380	380 *	170
2009-2010	275	982	1257	138
2010-2011	8806	6062	14868	391
2011-2012	1734	4329	6063	208
2012-2013	2618	2871	5489	55
2013-2014	708	47	755	10
2014-2015	72	454	527	25
2015-2016	2371	4657	7029	273
2016-2017	35	135	170	12

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : VAZHAVACHANUR (CP000H2)

Local River : Ponnaiyar

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

400

Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	5.414	0.000	0.000	0.013	0.013	6	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	2.515	0.000	0.000	0.024	0.024	5	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	3.205	0.000	0.000	0.020	0.020	5	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	2.690	0.000	0.000	0.018	0.018	4	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	2.044	0.000	0.000	0.019	0.019	3	0.000	0.000	0.000	0.000	0.000	0
31							1.568	0.000	0.000	0.015	0.015	2	0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	1.585	0.000	0.000	0.010	0.010	2	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						26						0

Annual Sediment Load (Metric Tonnes) : 170

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : VAZHAVACHANUR (CP000H2)

Local River : Ponnaiyar

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

401

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	5.509	0.000	0.000	0.010	0.010	5	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	2.037	0.000	0.000	0.016	0.016	3	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	1.049	0.000	0.000	0.011	0.011	1	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.720	0.000	0.000	0.007	0.007	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.932	0.000	0.000	0.004	0.004	1	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						9						0

Annual Sediment Load (Metric Tonnes) : 170

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : VAZHAVACHANUR (CP000H2)

Local River : Ponnaiyar

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

402

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
31	0.000						0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 170

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : VAZHAVACHANUR (CP000H2)

Local River : Ponnaiyar

Division : Hydrology Division, Chennai

Sub-Division : Palar Ponnaiyar SD, Chennai

403

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	23.24	0.000	0.000	0.014	0.014	29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	18.98	0.000	0.000	0.008	0.008	13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	20.92	0.000	0.000	0.008	0.008	14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	20.88	0.000	0.000	0.031	0.031	56	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	21.86	0.000	0.000	0.008	0.008	15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	2.460	0.000	0.000	0.037	0.037	8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	9.849	0.000	0.000	0.010	0.010	12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total																		

135

0

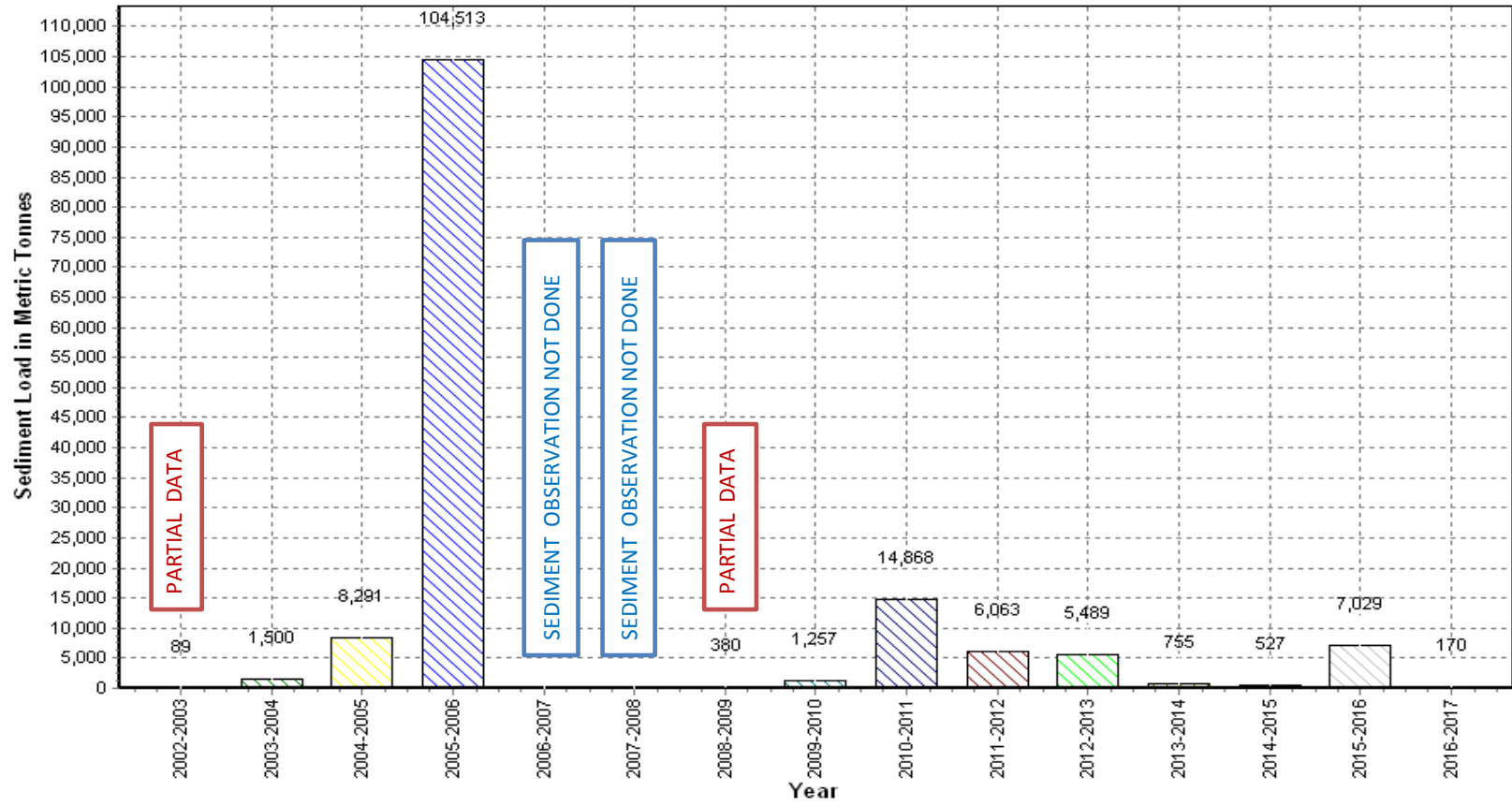
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Annual Sediment Load (Metric Tonnes) : 170

Annual Sediment Load for the period: 2002-2017

Station Name : VAZHAVACHANUR (CP000H2)
Local River : Ponnaiyar

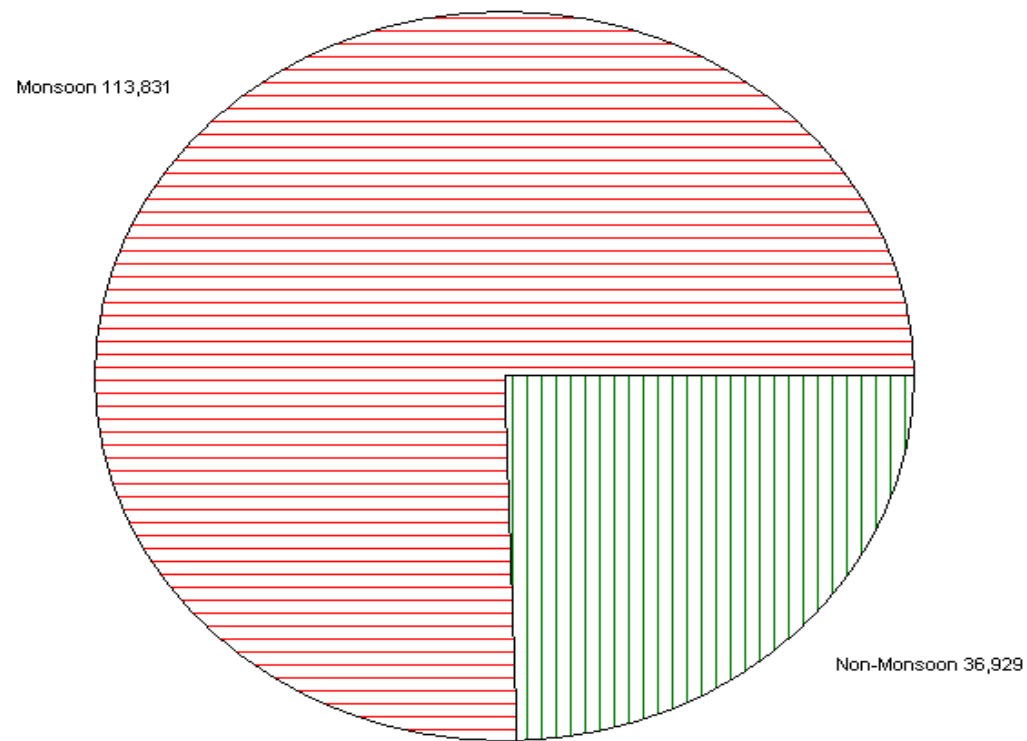
Division : Hydrology Division, Chennai
Sub-Division : Palar Ponnaiyar SD, Chennai



Station Name : VAZHAVACHANUR (CP000H2)
Local River : Ponnaiyar

Seasonal Sediment Load for the period : 2002-2016

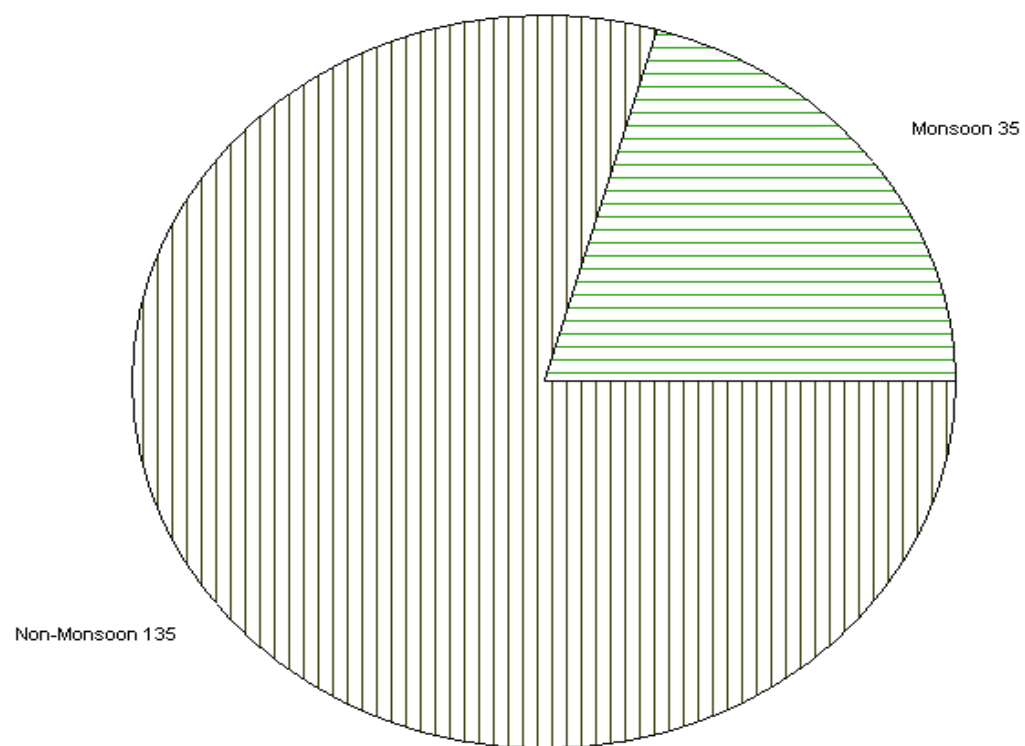
Division : Hydrology Division, Chennai
Sub-Division : Palar Ponnaiyar SD, Chennai



Station Name : VAZHAVACHANUR (CP000H2)
Local River : Ponnaiyar

Seasonal Sediment Load for the Year: 2016-2017

Division : Hydrology Division, Chennai
Sub-Division : Palar Ponnaiyar SD, Chennai



BED MATERIAL ANALYSIS DATA

RIVER : PONNAIYAR

CODE No. : CCP000H2

SITE : VAZHAVACHANUR

CROSS SECTION : SGL

Sl.No.	DATE OF COLLECTION	DATA FOR SAMPLE COLLECTED												GENERAL DATA OF THE RIVER								
		R.D.(m)	LAB NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m3/s)	Bed Material Composition			WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m3/s)	Bed Material Composition			
											MAX. SIZE (mm)	MIN. SIZE (mm)	MEAN SIZE (mm)						MAX. SIZE (mm)	MIN. SIZE (mm)	MEAN SIZE (mm)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
	MONSOON 2016												05/08/2016									
1	05/08/2016	80	20	-	133.885	134.185	0.300	-	-	-	11.0	0.060	1.78	Negligible Flow								
2	05/08/2016	120	21	-	133.920	134.185	0.265	-	-	-	13.0	0.060	4.34									
3	05/08/2016	160	22	-	134.040	134.185	0.145	-	-	-	35.0	0.060	7.94								35.0	0.060
	POST MONSOON 2016												21/12/2016									
1	21/12/2016	80	52	133.880	-	-	-	-	-	-	14.0	0.060	2.15	Dry Bed								
2	21/12/2016	120	53	133.920	-	-	-	-	-	-	23.0	0.060	4.98									
3	21/12/2016	160	54	134.045	-	-	-	-	-	-	25.0	0.060	4.11								25.0	0.060
	PRE MONSOON 2017												19/04/2017									
1	19/04/2017	80	66	133.905	-	-	-	-	-	-	15.0	0.060	2.18	Dry Bed								
2	19/04/2017	120	67	134.020	-	-	-	-	-	-	22.0	0.060	4.33									
3	19/04/2017	160	68	134.110	-	-	-	-	-	-	24.0	0.060	4.86								24.0	0.060

Annual Sediment Load for period : 1982-2017

Station Name : Gummanur (CP000R5)

Division : SR Division, Coimbatore

Local River : Ponnaiyar

Sub-Division : Lower Cauvery SD, Trichi

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1982-1983	33482	271	33753	64
1983-1984	43348	213	43561	83
1984-1985	138032	1152	139184	130
1985-1986	58559	19182	77741	62
1986-1987	123427	48	123475	198
1987-1988	285900	173	286073	220
1988-1989	194828	27	194855	243
1989-1990	89420	10965	100385	173
1990-1991	24680	83	24763	26
1991-1992	305967	3210	309177	532
1992-1993	29938	20	29958	70
1993-1994	12321	174	12495	170
1994-1995	3446	70	3516	78
1995-1996	13163	8	13171	141
1996-1997	18541	91	18632	234
1997-1998	118661	2153	120814	314
1998-1999	31774	176	31950	301
1999-2000	46108	132	46240	245
2000-2001	23572	21	23593	309
2001-2002	38780	90	38870	309
2002-2003	436	4	440	46
2003-2004	1597	80	1677	51
2004-2005	15692	1102	16794	197
2005-2006	207415	5653	213068	795
2006-2007	SEDIMENT OBSERVATION NOT DONE			
2007-2008	SEDIMENT OBSERVATION NOT DONE			
2008-2009	12834	1393	14227	311
2009-2010	7264	1391	8655	216
2010-2011	4497	2662	7159	205
2011-2012	6785	2079	8864	218
2012-2013	4491	1859	6350	99
2013-2014	11215	927	12142	266
2014-2015	14242	3602	17844	338
2015-2016	22590	5878	28468	490
2016-2017	9152	4292	13444	269

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Gummanur (CP000R5)

Local River : Ponnaiyar

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

409

Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	10.58	0.000	0.000	0.028	0.028	26	9.796	0.000	0.000	0.025	0.025	21	53.12	0.000	0.000	0.116	0.116	533
2	9.612	0.000	0.000	0.045	0.045	37	8.621	0.000	0.000	0.019	0.019	14	24.57	0.000	0.000	0.054	0.054	114
3	9.601	0.000	0.000	0.054	0.054	45	6.662	0.000	0.000	0.021	0.021	12	22.30	0.000	0.000	0.023	0.023	43
4	11.30	0.000	0.000	0.047	0.047	46	0.389	0.000	0.000	0.027	0.027	1	21.87	0.000	0.000	0.030	0.030	57
5	12.12	0.000	0.000	0.056	0.056	58	0.000	0.000	0.000	0.000	0.000	0	18.96	0.000	0.000	0.021	0.021	35
6	15.23	0.000	0.000	0.089	0.089	117	0.000	0.000	0.000	0.000	0.000	0	18.96	0.000	0.000	0.020	0.020	33
7	13.47	0.000	0.000	0.047	0.047	54	0.000	0.000	0.000	0.000	0.000	0	10.03	0.000	0.000	0.061	0.061	53
8	23.79	0.000	0.000	0.069	0.069	141	0.000	0.000	0.000	0.000	0.000	0	10.27	0.000	0.000	0.060	0.060	53
9	23.80	0.000	0.000	0.085	0.085	175	0.000	0.000	0.000	0.000	0.000	0	8.628	0.000	0.000	0.062	0.062	46
10	26.65	0.000	0.000	0.048	0.048	110	0.000	0.000	0.000	0.000	0.000	0	7.950	0.000	0.000	0.031	0.031	21
11	22.64	0.000	0.000	0.039	0.039	77	0.000	0.000	0.000	0.000	0.000	0	7.500	0.000	0.000	0.035	0.035	23
12	21.07	0.000	0.000	0.018	0.018	33	0.000	0.000	0.000	0.000	0.000	0	7.956	0.000	0.000	0.059	0.059	41
13	21.88	0.000	0.000	0.019	0.019	36	0.000	0.000	0.000	0.000	0.000	0	8.642	0.000	0.000	0.030	0.030	22
14	19.42	0.000	0.000	0.026	0.026	43	0.000	0.000	0.000	0.000	0.000	0	9.357	0.000	0.000	0.035	0.035	28
15	13.09	0.000	0.000	0.035	0.035	39	0.000	0.000	0.000	0.000	0.000	0	9.357	0.000	0.000	0.035	0.035	28
16	11.35	0.000	0.000	0.043	0.043	42	0.000	0.000	0.000	0.000	0.000	0	10.25	0.000	0.000	0.041	0.041	36
17	9.815	0.000	0.000	0.028	0.028	23	2.172	0.000	0.000	0.035	0.035	7	10.24	0.000	0.000	0.045	0.045	39
18	9.061	0.000	0.000	0.060	0.060	47	2.128	0.000	0.000	0.034	0.034	6	10.33	0.000	0.000	0.040	0.040	36
19	18.21	0.000	0.000	0.023	0.023	37	1.031	0.000	0.000	0.023	0.023	2	8.820	0.000	0.000	0.045	0.045	35
20	21.42	0.000	0.000	0.027	0.027	51	0.921	0.000	0.000	0.042	0.042	3	8.565	0.000	0.000	0.042	0.042	31
21	12.46	0.000	0.000	0.014	0.014	15	0.924	0.000	0.000	0.029	0.029	2	8.075	0.000	0.000	0.040	0.040	28
22	11.37	0.000	0.000	0.025	0.025	24	0.979	0.000	0.000	0.073	0.073	6	8.608	0.000	0.000	0.049	0.049	37
23	16.23	0.000	0.000	0.024	0.024	34	0.389	0.000	0.000	0.031	0.031	1	10.20	0.000	0.000	0.060	0.060	53
24	17.54	0.000	0.000	0.027	0.027	41	9.609	0.000	0.000	0.034	0.034	28	8.811	0.000	0.000	0.060	0.060	46
25	24.09	0.000	0.000	0.052	0.052	107	9.091	0.000	0.000	0.034	0.034	27	10.03	0.000	0.000	0.057	0.057	50
26	18.21	0.000	0.000	0.030	0.030	47	24.39	0.000	0.000	0.171	0.171	361	10.33	0.000	0.000	0.059	0.059	53
27	16.23	0.000	0.000	0.022	0.022	31	71.26	0.000	0.000	0.269	0.269	1654	11.53	0.000	0.000	0.057	0.057	57
28	13.37	0.000	0.000	0.026	0.026	30	28.30	0.000	0.000	0.107	0.107	261	10.03	0.000	0.000	0.057	0.057	50
29	9.952	0.000	0.000	0.031	0.031	26	28.91	0.000	0.000	0.109	0.109	272	10.17	0.000	0.000	0.044	0.044	38
30	11.14	0.000	0.000	0.018	0.018	18	57.46	0.000	0.000	0.126	0.126	624	9.939	0.000	0.000	0.049	0.049	42
31							44.77	0.000	0.000	0.098	0.098	378	12.44	0.000	0.000	0.063	0.063	68
Ten Daily Mean																		
Ten Daily I	15.62	0.000	0.000	0.057	0.057	81	2.547	0.000	0.000	0.009	0.009	5	19.67	0.000	0.000	0.048	0.048	99
Ten Daily II	16.80	0.000	0.000	0.032	0.032	43	0.625	0.000	0.000	0.013	0.013	2	9.102	0.000	0.000	0.041	0.041	32
Ten Daily III	15.06	0.000	0.000	0.027	0.027	37	25.10	0.000	0.000	0.098	0.098	329	10.01	0.000	0.000	0.054	0.054	47
Monthly																		
Total						1612						3681						1829

Annual Sediment Load (Metric Tonnes) : 13444

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Gummanur (CP000R5)

Local River : Ponnaiyar

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

410

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	11.97	0.000	0.000	0.065	0.065	67	7.717	0.000	0.000	0.031	0.031	20	2.401	0.000	0.000	0.024	0.024	5
2	11.62	0.000	0.000	0.045	0.045	45	7.467	0.000	0.000	0.030	0.030	19	7.833	0.000	0.000	0.026	0.026	18
3	12.84	0.000	0.000	0.038	0.038	42	8.307	0.000	0.000	0.033	0.033	24	8.917	0.000	0.000	0.027	0.027	20
4	21.87	0.000	0.000	0.064	0.064	121	8.841	0.000	0.000	0.048	0.048	37	8.356	0.000	0.000	0.048	0.048	34
5	18.96	0.000	0.000	0.056	0.056	91	8.557	0.000	0.000	0.055	0.055	41	7.079	0.000	0.000	0.027	0.027	16
6	12.84	0.000	0.000	0.027	0.027	30	7.812	0.000	0.000	0.022	0.022	15	4.775	0.000	0.000	0.029	0.029	12
7	10.07	0.000	0.000	0.036	0.036	32	7.226	0.000	0.000	0.031	0.031	19	5.176	0.000	0.000	0.029	0.029	13
8	8.953	0.000	0.000	0.023	0.023	17	7.349	0.000	0.000	0.021	0.021	13	5.146	0.000	0.000	0.016	0.016	7
9	8.881	0.000	0.000	0.023	0.023	18	6.320	0.000	0.000	0.025	0.025	14	7.142	0.000	0.000	0.022	0.022	13
10	8.171	0.000	0.000	0.172	0.172	121	7.482	0.000	0.000	0.026	0.026	17	7.075	0.000	0.000	0.021	0.021	13
11	0.000	0.000	0.000	0.000	0.000	0	5.780	0.000	0.000	0.025	0.025	12	5.164	0.000	0.000	0.038	0.038	17
12	0.000	0.000	0.000	0.000	0.000	0	10.03	0.000	0.000	0.027	0.027	23	5.600	0.000	0.000	0.029	0.029	14
13	0.000	0.000	0.000	0.000	0.000	0	11.94	0.000	0.000	0.028	0.028	28	4.775	0.000	0.000	0.038	0.038	16
14	21.87	0.000	0.000	0.038	0.038	71	10.84	0.000	0.000	0.035	0.035	33	6.320	0.000	0.000	0.022	0.022	12
15	9.967	0.000	0.000	0.027	0.027	23	9.991	0.000	0.000	0.021	0.021	18	2.937	0.000	0.000	0.057	0.057	15
16	2.266	0.000	0.000	0.032	0.032	6	8.075	0.000	0.000	0.026	0.026	18	2.378	0.000	0.000	0.056	0.056	12
17	7.547	0.000	0.000	0.042	0.042	28	8.689	0.000	0.000	0.026	0.026	19	2.933	0.000	0.000	0.057	0.057	14
18	6.882	0.000	0.000	0.007	0.007	4	9.923	0.000	0.000	0.022	0.022	19	2.976	0.000	0.000	0.043	0.043	11
19	7.374	0.000	0.000	0.033	0.033	21	8.872	0.000	0.000	0.022	0.022	16	2.839	0.000	0.000	0.046	0.046	11
20	10.04	0.000	0.000	0.030	0.030	26	8.950	0.000	0.000	0.026	0.026	20	3.860	0.000	0.000	0.034	0.034	11
21	11.46	0.000	0.000	0.038	0.038	37	10.19	0.000	0.000	0.019	0.019	17	4.882	0.000	0.000	0.022	0.022	9
22	12.22	0.000	0.000	0.031	0.031	33	10.22	0.000	0.000	0.018	0.018	16	2.985	0.000	0.000	0.028	0.028	7
23	12.00	0.000	0.000	0.044	0.044	46	6.882	0.000	0.000	0.018	0.018	11	2.387	0.000	0.000	0.029	0.029	6
24	8.176	0.000	0.000	0.042	0.042	30	7.755	0.000	0.000	0.018	0.018	12	3.000	0.000	0.000	0.041	0.041	11
25	6.882	0.000	0.000	0.021	0.021	13	8.807	0.000	0.000	0.020	0.020	15	4.905	0.000	0.000	0.034	0.034	14
26	7.400	0.000	0.000	0.030	0.030	19	8.689	0.000	0.000	0.025	0.025	18	2.921	0.000	0.000	0.041	0.041	10
27	7.056	0.000	0.000	0.042	0.042	25	5.780	0.000	0.000	0.019	0.019	9	3.860	0.000	0.000	0.041	0.041	14
28	7.031	0.000	0.000	0.032	0.032	19	2.412	0.000	0.000	0.023	0.023	5	7.150	0.000	0.000	0.044	0.044	27
29	8.295	0.000	0.000	0.026	0.026	18	2.315	0.000	0.000	0.023	0.023	5	4.946	0.000	0.000	0.063	0.063	27
30	8.721	0.000	0.000	0.056	0.056	42	3.039	0.000	0.000	0.025	0.025	7	2.965	0.000	0.000	0.036	0.036	9
31							6.988	0.000	0.000	0.038	0.038	23						
Ten Daily Mean																		
Ten Daily I	12.62	0.000	0.000	0.055	0.055	58	7.708	0.000	0.000	0.032	0.032	22	6.390	0.000	0.000	0.027	0.027	15
Ten Daily II	6.594	0.000	0.000	0.021	0.021	18	9.308	0.000	0.000	0.026	0.026	21	3.978	0.000	0.000	0.042	0.042	13
Ten Daily III	8.925	0.000	0.000	0.036	0.036	28	6.643	0.000	0.000	0.022	0.022	13	4.000	0.000	0.000	0.038	0.038	13
Monthly																		
Total						1046						564						420

Annual Sediment Load (Metric Tonnes) : 13444

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Gummanur (CP000R5)

Local River : Ponnaiyar

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

411

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	7.223	0.000	0.000	0.024	0.024	15	8.504	0.000	0.000	0.026	0.026	19	2.864	0.000	0.000	0.047	0.047	12
2	7.876	0.000	0.000	0.050	0.050	34	9.144	0.000	0.000	0.031	0.031	24	2.599	0.000	0.000	0.046	0.046	10
3	8.698	0.000	0.000	0.065	0.065	49	8.835	0.000	0.000	0.039	0.039	30	1.974	0.000	0.000	0.051	0.051	9
4	8.504	0.000	0.000	0.070	0.070	51	9.162	0.000	0.000	0.011	0.011	8	1.814	0.000	0.000	0.050	0.050	8
5	9.139	0.000	0.000	0.055	0.055	43	8.924	0.000	0.000	0.030	0.030	23	2.126	0.000	0.000	0.049	0.049	9
6	10.35	0.000	0.000	0.037	0.037	33	8.889	0.000	0.000	0.030	0.030	23	2.130	0.000	0.000	0.049	0.049	9
7	11.67	0.000	0.000	0.047	0.047	48	8.685	0.000	0.000	0.026	0.026	19	2.031	0.000	0.000	0.055	0.055	10
8	11.65	0.000	0.000	0.038	0.038	39	8.504	0.000	0.000	0.026	0.026	19	2.070	0.000	0.000	0.048	0.048	9
9	10.32	0.000	0.000	0.025	0.025	23	9.067	0.000	0.000	0.028	0.028	22	2.154	0.000	0.000	0.067	0.067	12
10	11.54	0.000	0.000	0.044	0.044	44	9.083	0.000	0.000	0.027	0.027	21	2.102	0.000	0.000	0.060	0.060	11
11	10.46	0.000	0.000	0.042	0.042	38	8.852	0.000	0.000	0.025	0.025	19	2.078	0.000	0.000	0.049	0.049	9
12	7.807	0.000	0.000	0.036	0.036	24	8.636	0.000	0.000	0.027	0.027	20	1.854	0.000	0.000	0.050	0.050	8
13	12.17	0.000	0.000	0.038	0.038	40	10.52	0.000	0.000	0.027	0.027	25	2.486	0.000	0.000	0.048	0.048	10
14	15.41	0.000	0.000	0.040	0.040	53	10.06	0.000	0.000	0.026	0.026	22	2.306	0.000	0.000	0.061	0.061	12
15	25.56	0.000	0.000	0.018	0.018	39	10.88	0.000	0.000	0.028	0.028	26	2.189	0.000	0.000	0.060	0.060	11
16	32.80	0.000	0.000	0.072	0.072	204	10.64	0.000	0.000	0.027	0.027	25	2.160	0.000	0.000	0.059	0.059	11
17	21.89	0.000	0.000	0.035	0.035	66	9.195	0.000	0.000	0.026	0.026	20	2.069	0.000	0.000	0.057	0.057	10
18	14.47	0.000	0.000	0.022	0.022	28	9.085	0.000	0.000	0.022	0.022	17	2.078	0.000	0.000	0.060	0.060	11
19	12.08	0.000	0.000	0.018	0.018	19	9.788	0.000	0.000	0.025	0.025	21	2.126	0.000	0.000	0.061	0.061	11
20	11.19	0.000	0.000	0.031	0.031	29	10.81	0.000	0.000	0.028	0.028	26	2.260	0.000	0.000	0.062	0.062	12
21	12.05	0.000	0.000	0.019	0.019	20	10.66	0.000	0.000	0.028	0.028	26	2.278	0.000	0.000	0.045	0.045	9
22	11.23	0.000	0.000	0.022	0.022	22	10.46	0.000	0.000	0.028	0.028	25	2.388	0.000	0.000	0.050	0.050	10
23	11.01	0.000	0.000	0.040	0.040	38	9.667	0.000	0.000	0.024	0.024	20	2.565	0.000	0.000	0.044	0.044	10
24	10.33	0.000	0.000	0.028	0.028	25	7.815	0.000	0.000	0.043	0.043	29	2.708	0.000	0.000	0.055	0.055	13
25	10.88	0.000	0.000	0.030	0.030	28	8.019	0.000	0.000	0.031	0.031	21	2.304	0.000	0.000	0.046	0.046	9
26	11.04	0.000	0.000	0.030	0.030	28	8.504	0.000	0.000	0.032	0.032	24	2.412	0.000	0.000	0.049	0.049	10
27	10.76	0.000	0.000	0.028	0.028	26	7.844	0.000	0.000	0.033	0.033	22	2.181	0.000	0.000	0.052	0.052	10
28	10.41	0.000	0.000	0.032	0.032	29	7.339	0.000	0.000	0.036	0.036	23	2.278	0.000	0.000	0.048	0.048	9
29	9.060	0.000	0.000	0.019	0.019	15	4.745	0.000	0.000	0.045	0.045	19						
30	8.899	0.000	0.000	0.024	0.024	18	2.914	0.000	0.000	0.052	0.052	13						
31	9.155	0.000	0.000	0.028	0.028	22	2.824	0.000	0.000	0.045	0.045	11						
Ten Daily Mean																		
Ten Daily I	9.696	0.000	0.000	0.046	0.046	38	8.880	0.000	0.000	0.027	0.027	21	2.186	0.000	0.000	0.052	0.052	10
Ten Daily II	16.38	0.000	0.000	0.035	0.035	54	9.847	0.000	0.000	0.026	0.026	22	2.161	0.000	0.000	0.057	0.057	11
Ten Daily III	10.44	0.000	0.000	0.027	0.027	25	7.345	0.000	0.000	0.036	0.036	21	2.389	0.000	0.000	0.048	0.048	10
Monthly																		
Total						1190						664						284

Annual Sediment Load (Metric Tonnes) : 13444

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : Gummanur (CP000R5)

Local River : Ponnaiyar

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

412

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	2.327	0.000	0.000	0.049	0.049	10	1.136	0.000	0.000	0.040	0.040	4	0.000	0.000	0.000	0.000	0.000	0
2	2.296	0.000	0.000	0.059	0.059	12	0.828	0.000	0.000	0.034	0.034	2	0.000	0.000	0.000	0.000	0.000	0
3	2.444	0.000	0.000	0.051	0.051	11	0.642	0.000	0.000	0.030	0.030	2	0.000	0.000	0.000	0.000	0.000	0
4	2.443	0.000	0.000	0.053	0.053	11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	2.412	0.000	0.000	0.053	0.053	11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	3.083	0.000	0.000	0.054	0.054	14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	5.701	0.000	0.000	0.027	0.027	13	0.169	0.000	0.000	0.018	0.018	0	0.000	0.000	0.000	0.000	0.000	0
8	7.971	0.000	0.000	0.047	0.047	33	1.150	0.000	0.000	0.049	0.049	5	0.000	0.000	0.000	0.000	0.000	0
9	6.986	0.000	0.000	0.041	0.041	25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	6.540	0.000	0.000	0.053	0.053	30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	6.345	0.000	0.000	0.039	0.039	22	0.000	0.000	0.000	0.000	0.000	0	3.181	0.000	0.000	0.025	0.025	7
12	6.322	0.000	0.000	0.039	0.039	21	0.309	0.000	0.000	0.013	0.013	0	4.909	0.000	0.000	0.035	0.035	15
13	8.001	0.000	0.000	0.053	0.053	36	1.121	0.000	0.000	0.038	0.038	4	8.695	0.000	0.000	0.040	0.040	30
14	9.964	0.000	0.000	0.044	0.044	38	0.721	0.000	0.000	0.033	0.033	2	6.381	0.000	0.000	0.022	0.022	12
15	10.00	0.000	0.000	0.046	0.046	40	0.169	0.000	0.000	0.027	0.027	0	7.355	0.000	0.000	0.025	0.025	16
16	9.917	0.000	0.000	0.039	0.039	34	0.000	0.000	0.000	0.000	0.000	0	9.604	0.000	0.000	0.028	0.028	23
17	8.234	0.000	0.000	0.038	0.038	27	0.000	0.000	0.000	0.000	0.000	0	9.156	0.000	0.000	0.024	0.024	19
18	7.696	0.000	0.000	0.043	0.043	29	1.164	0.000	0.000	0.050	0.050	5	8.700	0.000	0.000	0.029	0.029	22
19	7.168	0.000	0.000	0.033	0.033	20	3.112	0.000	0.000	0.040	0.040	11	12.38	0.000	0.000	0.029	0.029	31
20	7.222	0.000	0.000	0.034	0.034	21	2.953	0.000	0.000	0.024	0.024	6	8.824	0.000	0.000	0.034	0.034	26
21	7.061	0.000	0.000	0.028	0.028	17	1.213	0.000	0.000	0.038	0.038	4	11.47	0.000	0.000	0.030	0.030	30
22	7.002	0.000	0.000	0.032	0.032	19	4.909	0.000	0.000	0.045	0.045	19	12.90	0.000	0.000	0.028	0.028	31
23	6.797	0.000	0.000	0.021	0.021	13	2.816	0.000	0.000	0.021	0.021	5	15.55	0.000	0.000	0.037	0.037	49
24	6.720	0.000	0.000	0.018	0.018	10	2.996	0.000	0.000	0.022	0.022	6	14.26	0.000	0.000	0.034	0.034	42
25	6.867	0.000	0.000	0.019	0.019	11	1.183	0.000	0.000	0.030	0.030	3	13.84	0.000	0.000	0.034	0.034	40
26	3.900	0.000	0.000	0.048	0.048	16	3.033	0.000	0.000	0.021	0.021	5	13.53	0.000	0.000	0.025	0.025	29
27	2.137	0.000	0.000	0.065	0.065	12	3.054	0.000	0.000	0.030	0.030	8	52.86	0.000	0.000	0.077	0.077	353
28	1.100	0.000	0.000	0.062	0.062	6	1.151	0.000	0.000	0.030	0.030	3	23.99	0.000	0.000	0.039	0.039	80
29	1.093	0.000	0.000	0.069	0.069	6	0.000	0.000	0.000	0.000	0.000	0	28.85	0.000	0.000	0.045	0.045	112
30	1.157	0.000	0.000	0.033	0.033	3	0.000	0.000	0.000	0.000	0.000	0	62.27	0.000	0.000	0.090	0.090	484
31	1.125	0.000	0.000	0.026	0.026	3							29.31	0.000	0.000	0.014	0.014	35
Ten Daily Mean																		
Ten Daily I	4.220	0.000	0.000	0.049	0.049	17	0.392	0.000	0.000	0.017	0.017	1	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	8.087	0.000	0.000	0.041	0.041	29	0.955	0.000	0.000	0.022	0.022	3	7.919	0.000	0.000	0.029	0.029	20
Ten Daily III	4.087	0.000	0.000	0.038	0.038	11	2.036	0.000	0.000	0.024	0.024	5	25.35	0.000	0.000	0.041	0.041	117
Monthly																		
Total						574						94						1486

Annual Sediment Load (Metric Tonnes) : 13444

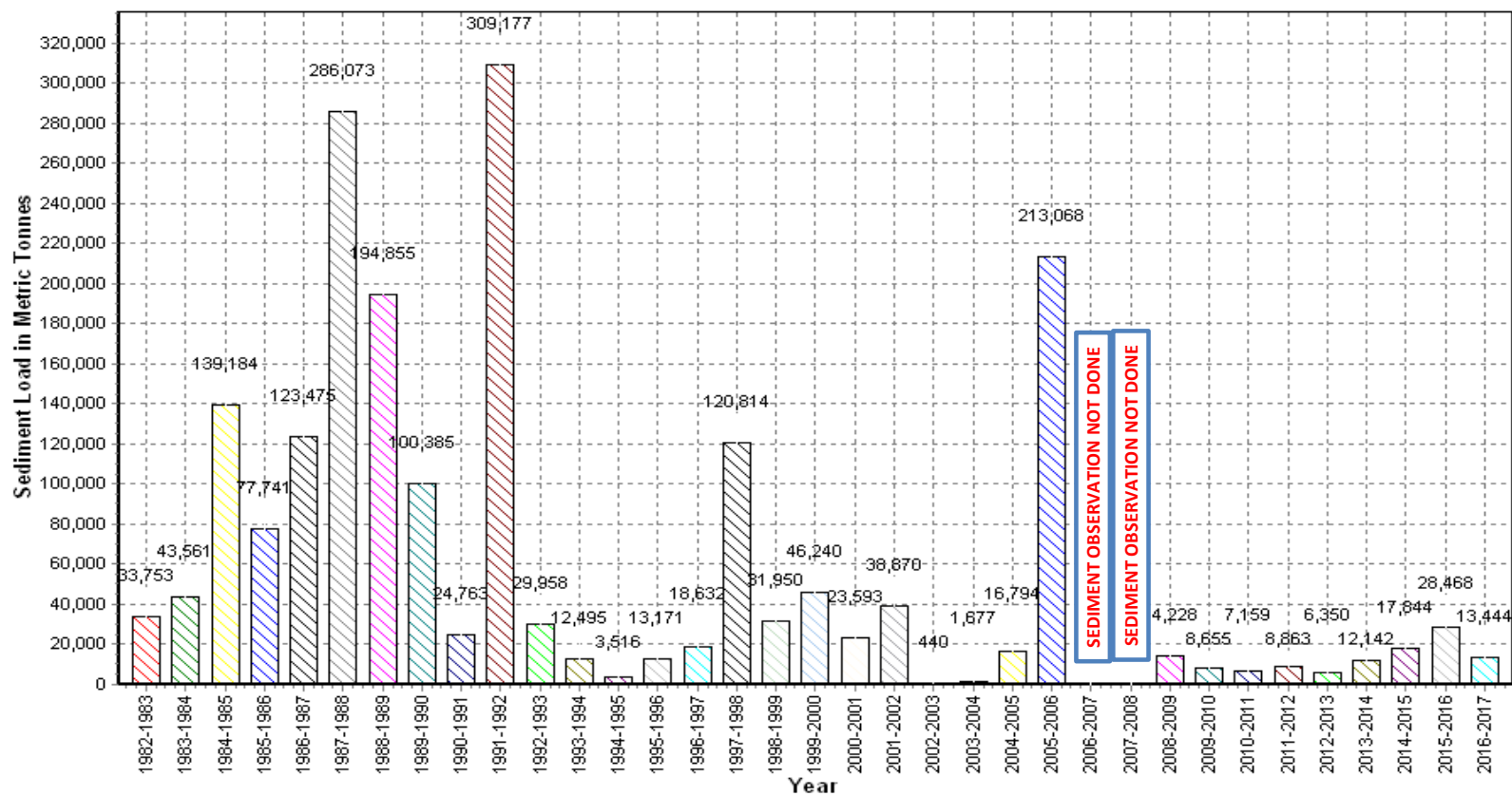
Annual Sediment Load for the period: 1982-2017

Station Name : Gummanur (CP000R5)

Local River : Ponnaiyar

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi



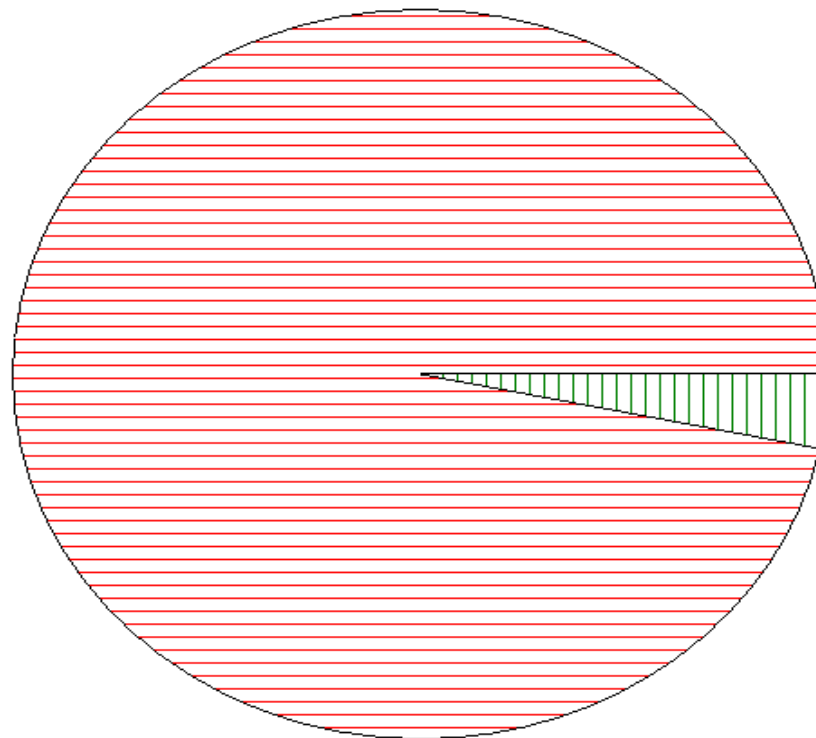
Station Name : Gummanur (CP000R5)
Local River : Ponnaiyar

Seasonal Sediment Load for the period : 1982-2016

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi

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Monsoon 1,943,007

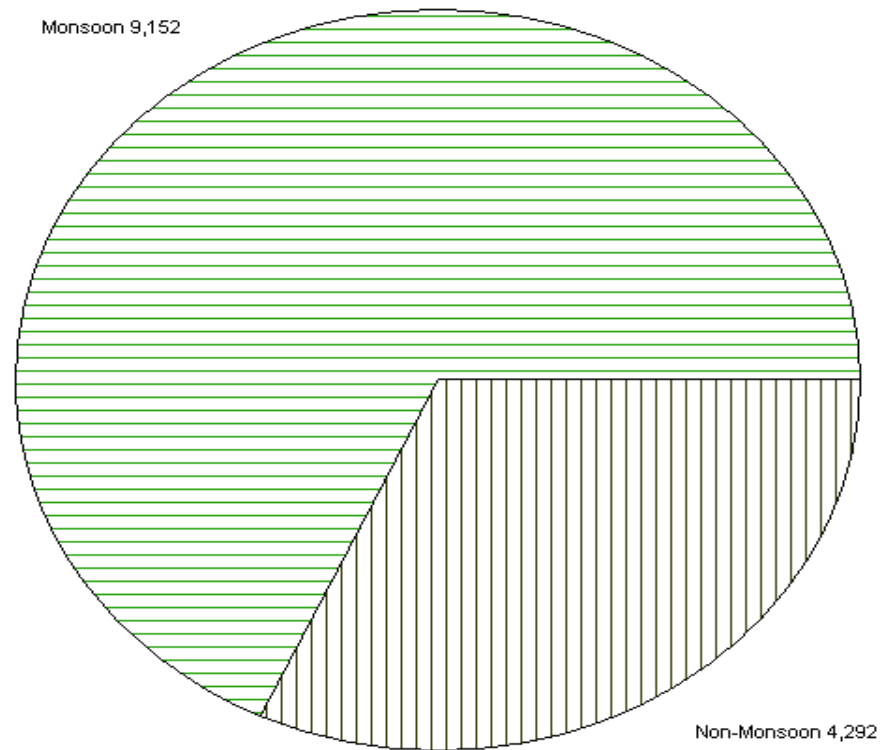


Non-Monsoon 64,888

Station Name : Gummanur (CP000R5)
Local River : Ponnaiyar

Seasonal Sediment Load for the Year: 2016-2017

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi



BED MATERIAL ANALYSIS DATA

RIVER : Ponnaiyar

CODE No. : CP000R5

SITE : Gummanur

CROSS SECTION : SGL

Sl.No.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER							
	R.D.(m)	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m³/s)	Bed Material Composition		WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m³/s)	Bed Material		
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
MONSOON 2016																		
DATE OF COLLECTION								26/11/2016										
1	60	-	489.120	491.285	2.17	20.8	-		15.0	1.45								
2	80	-	489.030	491.285	2.26	20.0	-		18.0	2.01								
3	100	-	488.910	491.285	2.38	20.0	-	2.920	19.0	3.33	82.28	1.714	0.021	0.00800	2.92	19.0	2.26	
POST MONSOON 2016 - 17																		
DATE OF COLLECTION								21/02/2017										
1	60	-	489.460	491.260	1.80		-		11.0	1.27								
2	80	-	489.160	491.260	2.10	8.16	-		19.0	2.46								
3	100	-	489.380	491.380	2.00		-	2.277	20.0	3.88	81.39	1.468	0.019	0.00008	2.277	20.0	2.54	
PRE MONSOON 2017																		
DATE OF COLLECTION								06/05/2017										
1	60	-	489.830	491.630	1.800		-		11.0	1.39								
2	80	-	489.080	491.180	2.100	82.0	-		16.0	2.23								
3	100	-	489.550	491.430	1.880		-	7.151	19.0	3.60	82.43	1.543	0.056	0.00008	7.151	19.0	2.41	

Annual Sediment Load for period : 2013-2017

Station Name : PARAMAKUDI (CV000F3)

Local River : Vaigai

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2013-2014	0	0	0	0
2014-2015	547	79	626	15
2015-2016	0	1075	1075	71
2016-2017	0	0	0	0

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : PARAMAKUDI (CV000F3)

Local River : Vaigai

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 0

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : PARAMAKUDI (CV000F3)

Local River : Vaigai

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

419

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 0

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : PARAMAKUDI (CV000F3)
Local River : Vaigai

Division : SR Division, Coimbatore
Sub-Division : Vaigai SD Madurai

420

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
31	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 0

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : PARAMAKUDI (CV000F3)
Local River : Vaigai

Division : SR Division, Coimbatore
Sub-Division : Vaigai SD Madurai

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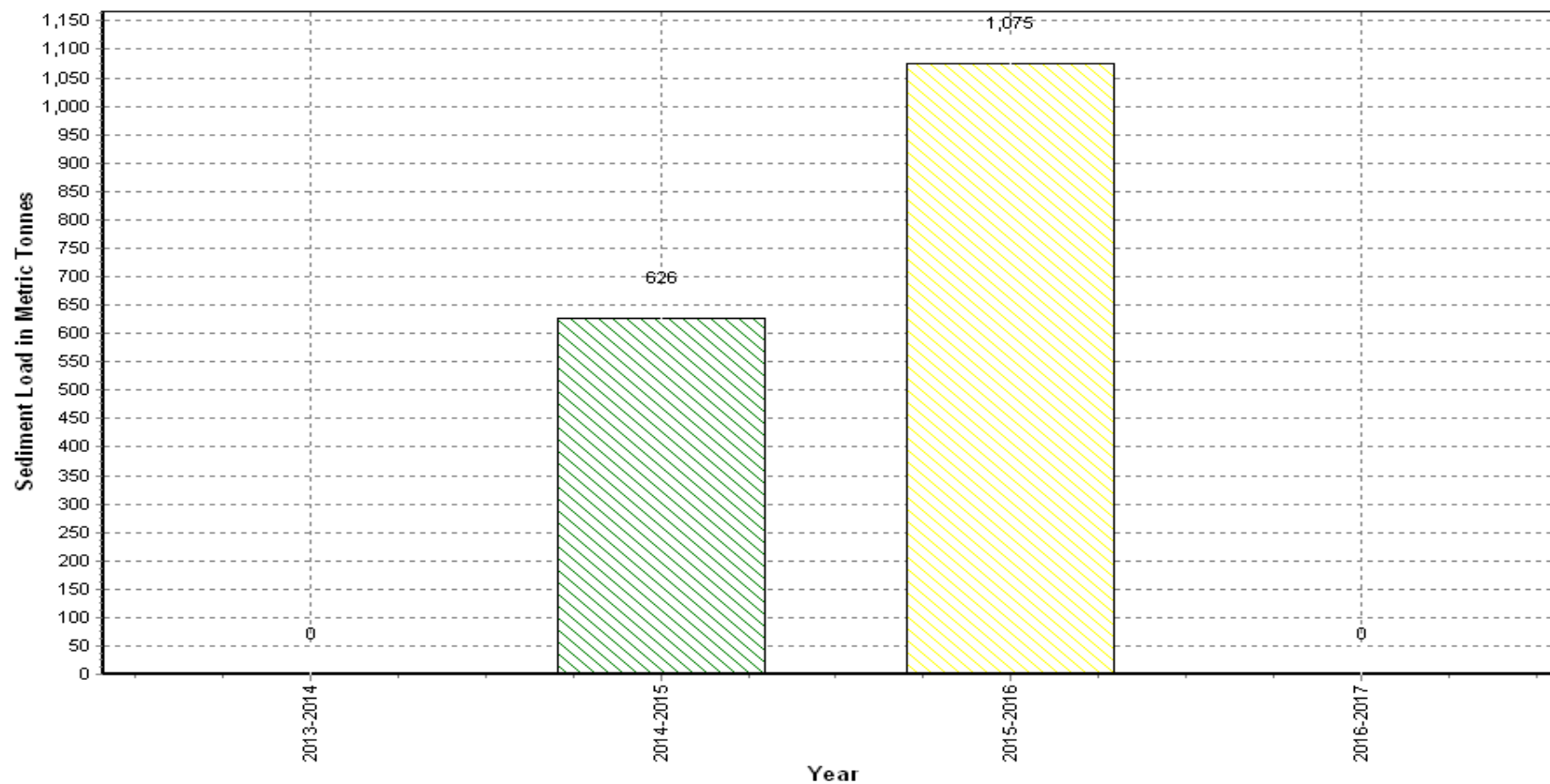
Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.000	0.000	0.000	0.000	0.000	0
<u>Ten Daily Mean</u>																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
<u>Monthly</u>																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 0

Station Name : PARAMAKUDI (CV000F3)
Local River : Vaigai

Annual Sediment Load for the period: 2013-2017

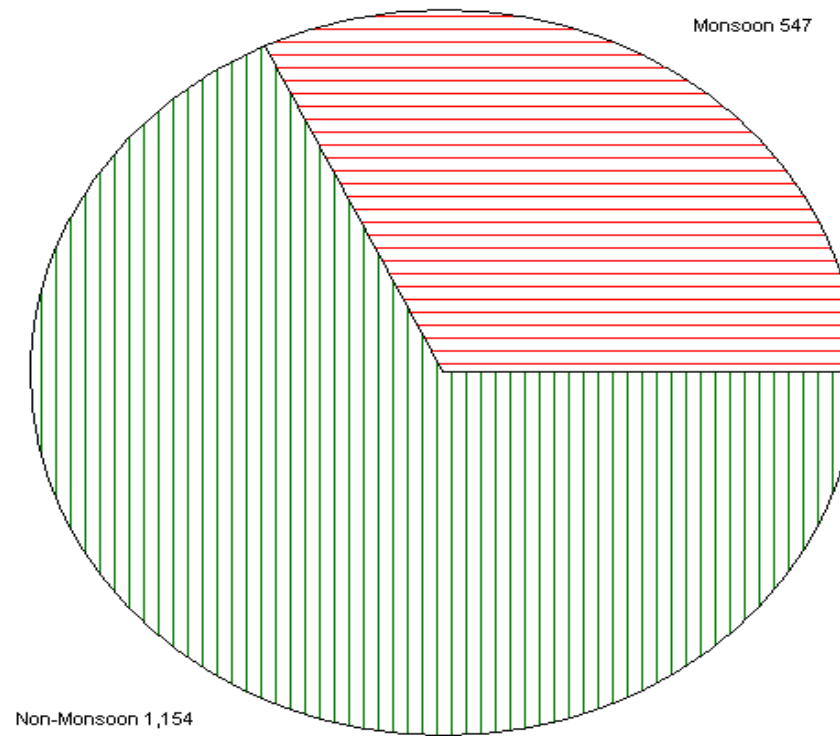
Division : SR Division, Coimbatore
Sub-Division : Vaigai SD Madurai



Station Name : PARAMAKUDI (CV000F3)
Local River : Vaigai

Seasonal Sediment Load for the period : 2013-2016

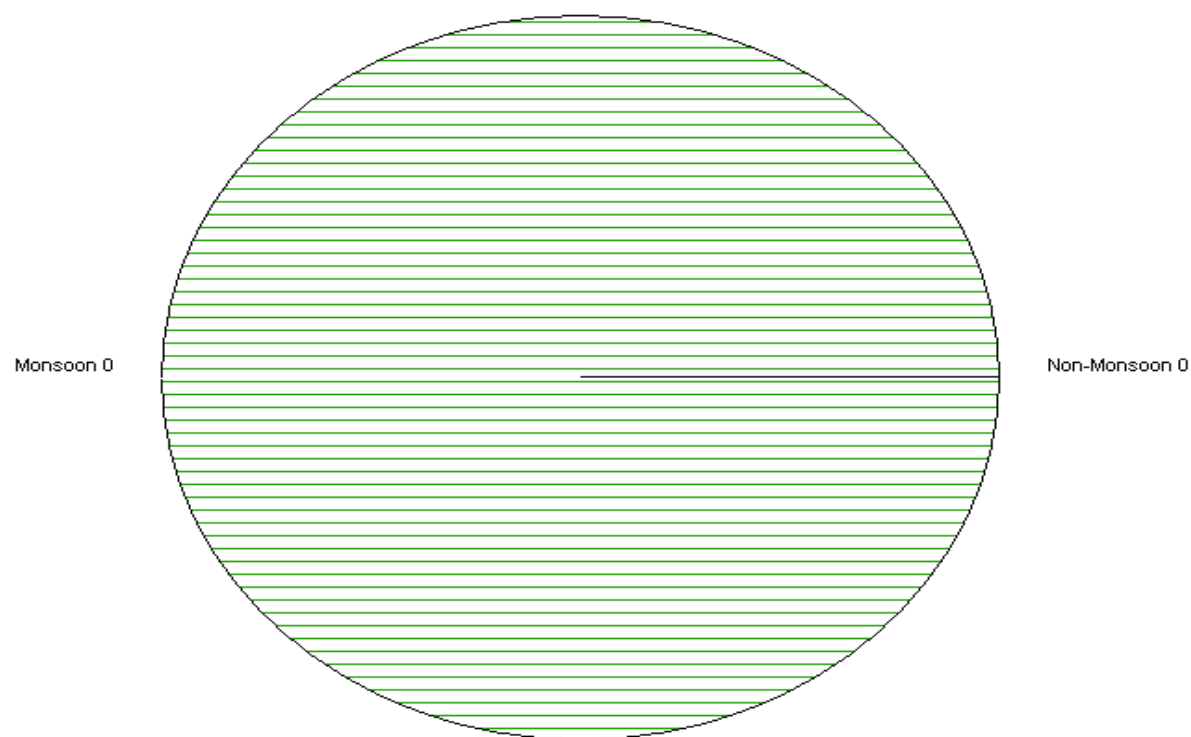
Division : SR Division, Coimbatore
Sub-Division : Vaigai SD Madurai



Station Name : PARAMAKUDI (CV000F3)
Local River : Vaigai

Seasonal Sediment Load for the Year: 2016-2017

Division : SR Division, Coimbatore
Sub-Division : Vaigai SD Madurai



BED MATERIAL ANALYSIS DATA

RIVER : Vaigai

CODE No. : CV000F3

SITE : Paramakudi

CROSS SECTION : SGL

Sl.No.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER							
	R.D.(m)	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m³/s)	Bed Material Composition		WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m³/s)	Bed Material Composition		
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
MONSOON 2016										DATE OF COLLECTION		12/11/2016						
1	60	37.195	-	-	-	-	No Flow, Dry Bed		19.0	1.78						19.0	1.28	
2	120	38.255	-	-	-	-			18.0	1.16								
3	180	37.835	-	-	-	-			10.0	0.91								
POST MONSOON 2016 - 17										DATE OF COLLECTION								
1	60	Sample Not Collected																
2	120																	
3	180																	
PRE MONSOON 2017										DATE OF COLLECTION								
1	60	Sample Not Collected																
2	120																	
3	180																	

Annual Sediment Load for period : 1979-2017

Station Name : THENI (CVA00D4)

Local River : Suruliyar

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1979-1980	401567	49560	451127	914
1980-1981	211966	28812	240778	673
1981-1982	160005	19126	179131	871
1982-1983	87467	18422	105889	356
1983-1984	86714	201836	288550	718
1984-1985	116465	37975	154440	773
1985-1986	116269	13456	129725	605
1986-1987	95364	9416	104781	382
1987-1988	118029	49946	167975	489
1988-1989	43050	3666	46716	313
1989-1990	93480	21062	114542	709
1990-1991	85698	11620	97318	632
1991-1992	37347	2799	40146	515
1992-1993	167049	8515	175565	906
1993-1994	96673	28277	124950	668
1994-1995	125455	16133	141588	819
1995-1996	56784	2140	58924	589
1996-1997	53420	10896	64317	583
1997-1998	100278	38847	139125	767
1998-1999	69046	152883	221928	887
1999-2000	45188	7242	52430	482
2000-2001	42493	9433	51925	591
2001-2002	56066	7254	63320	626
2002-2003	18197	3055	21252	220
2003-2004	15198	1877	17074	185
2004-2005	38344	7271	45615	577
2005-2006	61985	51587	113572	740
2006-2007	50254	9095	59349	623
2007-2008	155936	33225	189161	939
2008-2009	36411	2770	39181	509
2009-2010	28029	9561	37590	392
2010-2011	33394	12786	46180	576
2011-2012	39441	9390	48832	731
2012-2013	12574	714	13288	158
2013-2014	21093	4633	25726	495
2014-2015	42278	16441	58719	652
2015-2016	44140	28199	72339	686
2016-2017	2602	2933	5535	96

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : THENI (CVA00D4)

Local River : Suruliyar

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	6.596	0.002	0.002	0.036	0.039	22	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	3.799	0.002	0.002	0.027	0.030	10	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	4.362	0.002	0.002	0.025	0.028	11	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	6.196	0.001	0.001	0.021	0.023	12	8.392	0.002	0.002	0.069	0.073	53
5	0.000	0.000	0.000	0.000	0.000	0	6.491	0.001	0.001	0.034	0.036	20	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	5.293	0.002	0.002	0.064	0.067	31	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	5.331	0.002	0.002	0.061	0.065	30	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	5.790	0.001	0.001	0.031	0.033	16	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	4.424	0.002	0.004	0.035	0.041	16	5.948	0.001	0.001	0.076	0.077	40
10	0.000	0.000	0.000	0.000	0.000	0	3.118	0.001	0.002	0.046	0.049	13	2.047	0.001	0.001	0.097	0.099	17
11	0.000	0.000	0.000	0.000	0.000	0	1.890	0.000	0.001	0.056	0.057	9	10.23	0.001	0.002	0.063	0.066	59
12	2.757	0.000	0.001	0.092	0.093	22	3.528	0.000	0.001	0.037	0.037	11	7.165	0.001	0.001	0.062	0.065	40
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.025	0.001	0.002	0.065	0.068	12
14	2.296	0.000	0.001	0.077	0.077	15	1.707	0.002	0.003	0.103	0.108	16	2.422	0.001	0.001	0.015	0.017	3
15	1.831	0.000	0.001	0.092	0.093	15	0.000	0.000	0.000	0.000	0.000	0	2.422	0.001	0.001	0.015	0.017	3
16	1.930	0.001	0.001	0.034	0.036	6	0.000	0.000	0.000	0.000	0.000	0	1.766	0.001	0.002	0.098	0.101	15
17	1.926	0.000	0.001	0.047	0.048	8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	1.221	0.001	0.001	0.041	0.042	4	0.000	0.000	0.000	0.000	0.000	0	12.05	0.003	0.005	0.078	0.085	89
19	3.118	0.001	0.001	0.106	0.108	29	0.000	0.000	0.000	0.000	0.000	0	14.24	0.003	0.004	0.073	0.080	98
20	1.258	0.001	0.001	0.030	0.031	3	0.000	0.000	0.000	0.000	0.000	0	19.74	0.008	0.010	0.067	0.085	145
21	2.422	0.000	0.000	0.038	0.039	8	6.816	0.001	0.001	0.058	0.060	35	2.947	0.000	0.001	0.088	0.089	23
22	1.753	0.001	0.001	0.035	0.037	6	0.000	0.000	0.000	0.000	0.000	0	3.037	0.001	0.001	0.088	0.089	23
23	3.438	0.001	0.001	0.030	0.032	10	0.000	0.000	0.000	0.000	0.000	0	3.000	0.001	0.002	0.081	0.084	22
24	3.939	0.003	0.003	0.042	0.048	16	0.000	0.000	0.000	0.000	0.000	0	2.846	0.001	0.001	0.107	0.109	27
25	2.190	0.000	0.000	0.042	0.043	8	0.000	0.000	0.000	0.000	0.000	0	1.017	0.000	0.000	0.038	0.039	3
26	3.308	0.000	0.001	0.041	0.042	12	14.18	0.002	0.005	0.102	0.110	134	4.142	0.001	0.002	0.088	0.091	33
27	6.141	0.001	0.001	0.036	0.038	20	8.212	0.002	0.005	0.039	0.045	32	3.060	0.001	0.002	0.072	0.075	20
28	6.452	0.001	0.001	0.026	0.028	16	19.45	0.005	0.004	0.067	0.076	128	3.709	0.002	0.002	0.087	0.091	29
29	6.472	0.001	0.001	0.027	0.030	16	1.969	0.002	0.002	0.028	0.033	6	3.350	0.001	0.001	0.091	0.093	27
30	6.261	0.002	0.002	0.030	0.033	18	0.000	0.000	0.000	0.000	0.000	0	2.921	0.002	0.002	0.111	0.115	29
31							0.000	0.000	0.000	0.000	0.000	0	3.601	0.001	0.001	0.087	0.089	28
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	5.140	0.001	0.002	0.038	0.041	18	1.639	0.000	0.000	0.024	0.025	11
Ten Daily II	1.634	0.000	0.001	0.052	0.053	10	0.712	0.000	0.000	0.020	0.020	4	7.205	0.002	0.003	0.053	0.058	46
Ten Daily III	4.238	0.001	0.001	0.035	0.037	13	4.602	0.001	0.002	0.027	0.029	30	3.057	0.001	0.001	0.085	0.088	24
Monthly																		
Total																		
						233						552						838

Annual Sediment Load (Metric Tonnes) : 5535

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : THENI (CVA00D4)

Local River : Suruliyar

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

428

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	3.987	0.001	0.001	0.093	0.095	33	0.000	0.000	0.000	0.000	0.000	0	2.485	0.001	0.002	0.038	0.041	9
2	9.973	0.001	0.002	0.115	0.118	102	0.000	0.000	0.000	0.000	0.000	0	2.957	0.001	0.001	0.040	0.042	11
3	6.549	0.000	0.001	0.074	0.076	43	0.000	0.000	0.000	0.000	0.000	0	5.658	0.001	0.001	0.037	0.039	19
4	14.68	0.001	0.002	0.167	0.170	215	9.320	0.001	0.001	0.023	0.025	20	3.712	0.001	0.001	0.047	0.049	16
5	5.078	0.000	0.001	0.058	0.059	26	5.216	0.000	0.001	0.022	0.023	10	5.186	0.001	0.001	0.055	0.056	25
6	1.429	0.001	0.001	0.088	0.090	11	2.586	0.000	0.001	0.034	0.035	8	5.592	0.001	0.001	0.059	0.060	29
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.362	0.001	0.001	0.051	0.052	11
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	3.896	0.000	0.000	0.029	0.030	10	2.113	0.000	0.000	0.013	0.014	3
15	0.000	0.000	0.000	0.000	0.000	0	5.551	0.000	0.000	0.017	0.017	8	3.577	0.001	0.001	0.023	0.024	7
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	4.696	0.001	0.001	0.011	0.012	5
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	6.112	0.000	0.001	0.011	0.012	6
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.957	0.001	0.001	0.035	0.037	9
19	2.741	0.001	0.001	0.025	0.027	6	0.000	0.000	0.000	0.000	0.000	0	2.612	0.001	0.001	0.042	0.043	10
20	7.411	0.001	0.002	0.038	0.041	26	0.000	0.000	0.000	0.000	0.000	0	1.938	0.000	0.001	0.031	0.032	5
21	11.60	0.002	0.002	0.040	0.044	44	8.673	0.000	0.001	0.034	0.035	26	4.787	0.001	0.001	0.031	0.032	13
22	9.076	0.001	0.001	0.033	0.034	27	4.935	0.000	0.000	0.031	0.031	13	3.493	0.001	0.001	0.020	0.023	7
23	3.173	0.001	0.001	0.031	0.032	9	5.861	0.000	0.000	0.036	0.037	19	3.188	0.000	0.001	0.022	0.023	6
24	0.000	0.000	0.000	0.000	0.000	0	5.433	0.001	0.001	0.025	0.027	13	3.161	0.001	0.001	0.029	0.031	8
25	0.000	0.000	0.000	0.000	0.000	0	3.688	0.001	0.001	0.010	0.012	4	3.294	0.001	0.001	0.017	0.018	5
26	0.000	0.000	0.000	0.000	0.000	0	1.530	0.001	0.001	0.024	0.027	4	2.931	0.001	0.001	0.036	0.038	10
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	6.419	0.000	0.000	0.017	0.018	10
28	5.662	0.000	0.001	0.041	0.042	20	0.000	0.000	0.000	0.000	0.000	0	7.603	0.000	0.001	0.021	0.021	14
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.270	0.001	0.001	0.014	0.016	4
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.796	0.000	0.001	0.029	0.030	7
31							7.781	0.001	0.001	0.049	0.050	34						
Ten Daily Mean																		
Ten Daily I	4.170	0.000	0.001	0.060	0.061	43	1.712	0.000	0.000	0.008	0.008	4	2.795	0.000	0.001	0.033	0.034	12
Ten Daily II	1.015	0.000	0.000	0.006	0.007	3	0.945	0.000	0.000	0.005	0.005	2	2.401	0.000	0.000	0.017	0.017	5
Ten Daily III	2.952	0.000	0.000	0.014	0.015	10	3.445	0.000	0.000	0.019	0.020	10	4.094	0.001	0.001	0.024	0.025	9
Monthly																		
Total						562						167						250

Annual Sediment Load (Metric Tonnes) : 5535

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : THENI (CVA00D4)

Local River : Suruliyar

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

429

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	1.737	0.002	0.002	0.038	0.042	6	4.608	0.000	0.001	0.023	0.024	10	2.442	0.000	0.000	0.013	0.013	3
2	0.000	0.000	0.000	0.000	0.000	0	4.530	0.000	0.001	0.034	0.035	14	2.445	0.000	0.000	0.042	0.042	9
3	2.744	0.001	0.001	0.027	0.028	7	3.059	0.000	0.001	0.037	0.038	10	0.000	0.000	0.000	0.000	0.000	0
4	2.596	0.000	0.000	0.027	0.028	6	4.648	0.000	0.001	0.062	0.063	25	0.000	0.000	0.000	0.000	0.000	0
5	3.136	0.001	0.001	0.026	0.028	8	4.766	0.000	0.001	0.034	0.035	14	0.000	0.000	0.000	0.000	0.000	0
6	5.014	0.000	0.000	0.019	0.020	8	4.666	0.001	0.001	0.029	0.030	12	0.000	0.000	0.000	0.000	0.000	0
7	3.280	0.000	0.001	0.050	0.051	14	4.132	0.001	0.001	0.038	0.039	14	1.354	0.002	0.002	0.049	0.053	6
8	3.164	0.000	0.001	0.017	0.018	5	3.573	0.001	0.001	0.047	0.048	15	1.566	0.001	0.002	0.055	0.058	8
9	3.764	0.001	0.001	0.038	0.040	13	3.181	0.001	0.001	0.054	0.055	15	0.000	0.000	0.000	0.000	0.000	0
10	4.997	0.001	0.001	0.031	0.032	14	3.734	0.000	0.000	0.052	0.053	17	3.608	0.001	0.001	0.025	0.027	9
11	4.328	0.000	0.001	0.031	0.032	12	3.559	0.001	0.001	0.031	0.033	10	3.151	0.001	0.001	0.025	0.027	7
12	3.667	0.000	0.001	0.031	0.031	10	3.429	0.000	0.001	0.060	0.061	18	3.754	0.001	0.001	0.025	0.027	9
13	3.754	0.000	0.001	0.031	0.031	10	3.411	0.000	0.001	0.036	0.037	11	4.994	0.001	0.001	0.026	0.027	12
14	3.271	0.001	0.001	0.032	0.033	9	3.573	0.000	0.001	0.038	0.039	12	5.222	0.105	0.001	0.023	0.129	58
15	7.124	0.000	0.001	0.036	0.037	23	3.754	0.000	0.001	0.040	0.041	13	5.386	0.001	0.001	0.025	0.026	12
16	6.456	0.001	0.001	0.025	0.026	14	3.256	0.000	0.000	0.047	0.047	13	5.224	0.021	0.001	0.017	0.038	17
17	4.838	0.000	0.001	0.028	0.029	12	3.163	0.000	0.001	0.042	0.042	12	4.885	0.001	0.001	0.019	0.021	9
18	4.950	0.000	0.001	0.028	0.029	12	4.646	0.000	0.000	0.034	0.035	14	3.690	0.001	0.001	0.023	0.024	8
19	5.757	0.000	0.000	0.011	0.012	6	3.312	0.000	0.001	0.028	0.028	8	4.737	0.001	0.001	0.015	0.016	7
20	5.919	0.000	0.000	0.023	0.023	12	3.643	0.000	0.001	0.043	0.044	14	4.856	0.001	0.001	0.015	0.017	7
21	5.554	0.000	0.001	0.016	0.016	8	3.377	0.000	0.001	0.030	0.031	9	5.240	0.000	0.001	0.008	0.009	4
22	5.859	0.000	0.001	0.028	0.029	15	4.950	0.000	0.001	0.044	0.045	19	5.369	0.001	0.001	0.013	0.014	6
23	5.489	0.000	0.001	0.022	0.023	11	3.032	0.000	0.000	0.041	0.041	11	5.079	0.000	0.000	0.020	0.021	9
24	5.244	0.000	0.001	0.019	0.020	9	2.605	0.000	0.001	0.038	0.039	9	4.328	0.001	0.001	0.028	0.029	11
25	4.328	0.000	0.001	0.034	0.035	13	1.795	0.001	0.001	0.051	0.052	8	4.102	0.001	0.001	0.030	0.032	11
26	4.590	0.000	0.001	0.036	0.037	14	2.309	0.000	0.001	0.066	0.067	13	4.328	0.001	0.001	0.028	0.029	11
27	4.822	0.000	0.001	0.029	0.030	13	2.461	0.000	0.001	0.071	0.072	15	4.235	0.001	0.001	0.020	0.021	8
28	5.471	0.000	0.000	0.027	0.028	13	3.805	0.000	0.001	0.046	0.047	16	4.098	0.001	0.001	0.031	0.032	11
29	5.630	0.000	0.000	0.020	0.020	10	2.901	0.000	0.001	0.048	0.049	12						
30	5.402	0.000	0.000	0.022	0.023	11	2.657	0.000	0.001	0.049	0.050	11						
31	4.644	0.000	0.001	0.024	0.024	10	1.430	0.001	0.001	0.032	0.033	4						
Ten Daily Mean																		
Ten Daily I	3.043	0.001	0.001	0.027	0.029	8	4.090	0.000	0.001	0.041	0.042	15	1.142	0.000	0.001	0.018	0.019	3
Ten Daily II	5.007	0.000	0.001	0.027	0.028	12	3.575	0.000	0.001	0.040	0.041	13	4.590	0.013	0.001	0.021	0.035	15
Ten Daily III	5.185	0.000	0.001	0.025	0.026	11	2.848	0.000	0.001	0.047	0.048	12	4.597	0.001	0.001	0.022	0.023	9
Monthly																		
Total						328						399						252

Annual Sediment Load (Metric Tonnes) : 5535

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : THENI (CVA00D4)

Local River : Suruliyar

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

430

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	2.713	0.001	0.001	0.022	0.024	6	2.945	0.001	0.002	0.033	0.036	9	5.698	0.001	0.001	0.031	0.033	16
2	4.245	0.001	0.002	0.025	0.028	10	3.398	0.002	0.002	0.038	0.041	12	3.840	0.001	0.000	0.031	0.032	11
3	2.641	0.001	0.001	0.046	0.049	11	2.549	0.002	0.000	0.036	0.038	8	3.365	0.000	0.001	0.014	0.015	4
4	2.538	0.001	0.002	0.027	0.029	6	2.782	0.002	0.002	0.048	0.052	12	3.351	0.000	0.001	0.015	0.016	5
5	1.795	0.001	0.001	0.019	0.021	3	3.384	0.001	0.001	0.016	0.018	5	3.745	0.000	0.000	0.025	0.026	8
6	0.000	0.000	0.000	0.000	0.000	0	3.372	0.001	0.001	0.011	0.013	4	3.908	0.001	0.001	0.020	0.021	7
7	1.619	0.001	0.001	0.016	0.018	2	0.000	0.000	0.000	0.000	0.000	0	4.132	0.001	0.001	0.021	0.022	8
8	1.797	0.000	0.001	0.061	0.063	10	0.000	0.000	0.000	0.000	0.000	0	3.256	0.001	0.001	0.035	0.036	10
9	2.619	0.001	0.001	0.044	0.046	10	0.000	0.000	0.000	0.000	0.000	0	3.045	0.001	0.002	0.037	0.040	10
10	2.900	0.003	0.003	0.022	0.027	7	0.000	0.000	0.000	0.000	0.000	0	3.227	0.001	0.001	0.035	0.037	10
11	3.702	0.001	0.003	0.034	0.038	12	0.000	0.000	0.000	0.000	0.000	0	3.653	0.001	0.001	0.029	0.031	10
12	2.901	0.004	0.004	0.177	0.186	46	0.000	0.000	0.000	0.000	0.000	0	5.419	0.001	0.001	0.038	0.039	18
13	2.647	0.005	0.005	0.223	0.232	53	0.000	0.000	0.000	0.000	0.000	0	5.938	0.001	0.001	0.027	0.029	15
14	2.533	0.002	0.002	0.018	0.022	5	0.000	0.000	0.000	0.000	0.000	0	6.594	0.001	0.001	0.030	0.032	18
15	20.49	0.001	0.002	0.681	0.683	1210	0.000	0.000	0.000	0.000	0.000	0	5.939	0.001	0.001	0.026	0.027	14
16	4.356	0.011	0.011	0.040	0.062	23	0.000	0.000	0.000	0.000	0.000	0	5.469	0.001	0.002	0.039	0.042	20
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.728	0.001	0.001	0.040	0.042	13
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.260	0.002	0.002	0.054	0.058	16
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	4.305	0.001	0.002	0.045	0.048	18
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.280	0.001	0.001	0.033	0.035	10
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.062	0.002	0.001	0.035	0.038	10
22	2.764	0.001	0.002	0.099	0.102	24	0.000	0.000	0.000	0.000	0.000	0	3.059	0.002	0.001	0.035	0.038	10
23	5.702	0.001	0.001	0.024	0.026	13	0.000	0.000	0.000	0.000	0.000	0	2.648	0.001	0.001	0.030	0.032	7
24	3.706	0.001	0.002	0.013	0.015	5	0.000	0.000	0.000	0.000	0.000	0	2.633	0.001	0.001	0.040	0.042	10
25	4.374	0.001	0.001	0.025	0.027	10	0.000	0.000	0.000	0.000	0.000	0	2.358	0.002	0.002	0.061	0.065	13
26	4.737	0.001	0.002	0.027	0.029	12	3.182	0.001	0.001	0.001	0.004	1	2.276	0.001	0.001	0.050	0.052	10
27	4.347	0.001	0.001	0.029	0.031	12	3.471	0.001	0.002	0.028	0.031	9	2.190	0.002	0.002	0.075	0.078	15
28	4.126	0.001	0.001	0.028	0.031	11	1.619	0.000	0.002	0.033	0.035	5	1.354	0.002	0.002	0.052	0.055	6
29	3.867	0.001	0.001	0.034	0.037	12	2.580	0.001	0.001	0.040	0.041	9	1.221	0.002	0.002	0.048	0.051	5
30	4.275	0.001	0.001	0.036	0.038	14	4.328	0.001	0.001	0.035	0.037	14	0.000	0.000	0.000	0.000	0.000	0
31	3.395	0.001	0.000	0.022	0.024	7							0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	2.287	0.001	0.001	0.028	0.030	7	1.843	0.001	0.001	0.018	0.020	5	3.757	0.001	0.001	0.026	0.028	9
Ten Daily II	3.663	0.002	0.003	0.117	0.122	135	0.000	0.000	0.000	0.000	0.000	0	4.759	0.001	0.001	0.036	0.038	15
Ten Daily III	3.754	0.001	0.001	0.031	0.033	11	1.518	0.000	0.001	0.014	0.015	4	1.891	0.001	0.001	0.039	0.041	8
Monthly																		
Total						1535						89						330

Annual Sediment Load (Metric Tonnes) : 5535

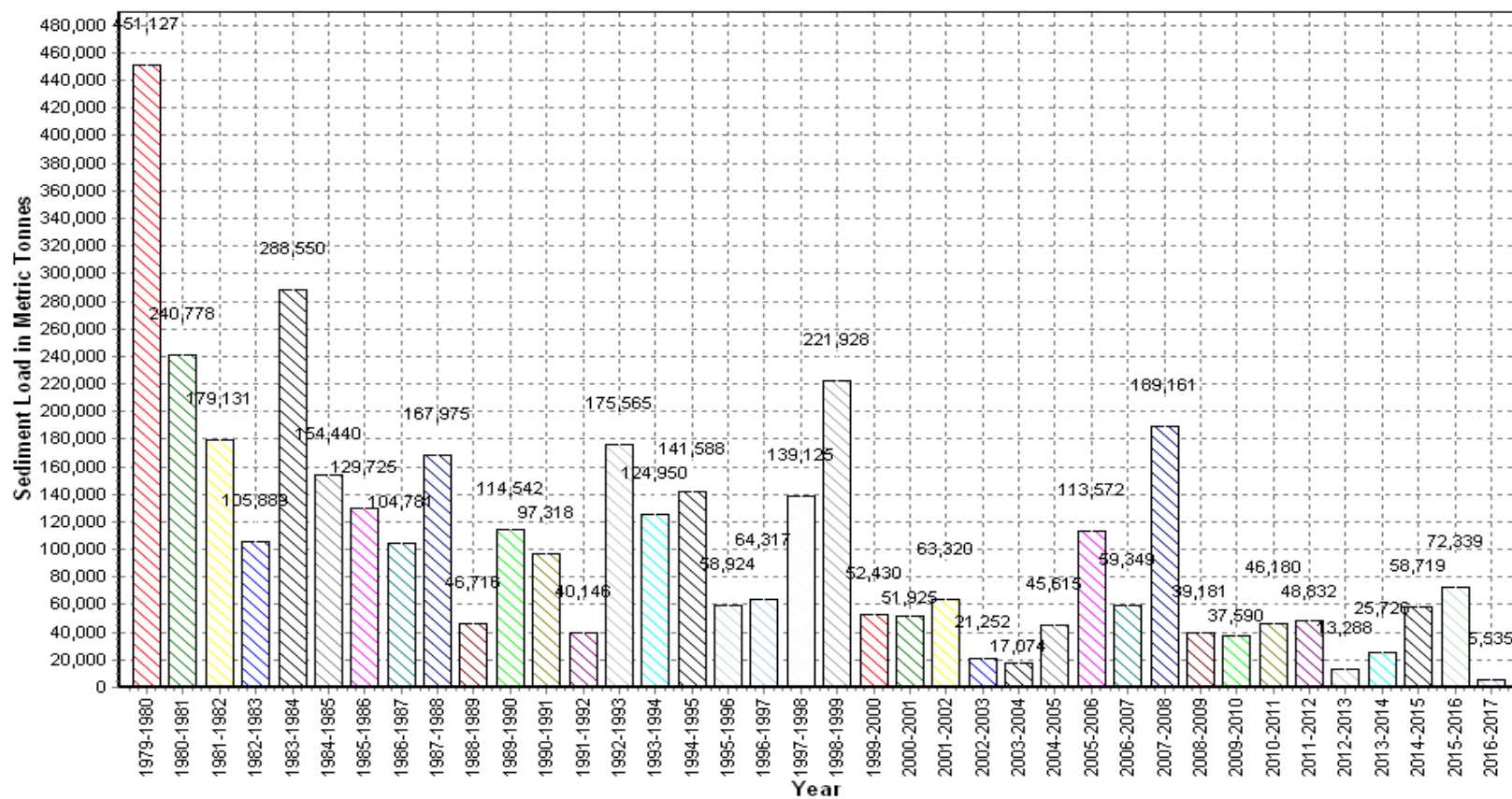
Annual Sediment Load for the period: 1979-2017

Station Name : THENI (CVA00D4)

Local River : Suruliyar

Division : SR Division, Coimbatore

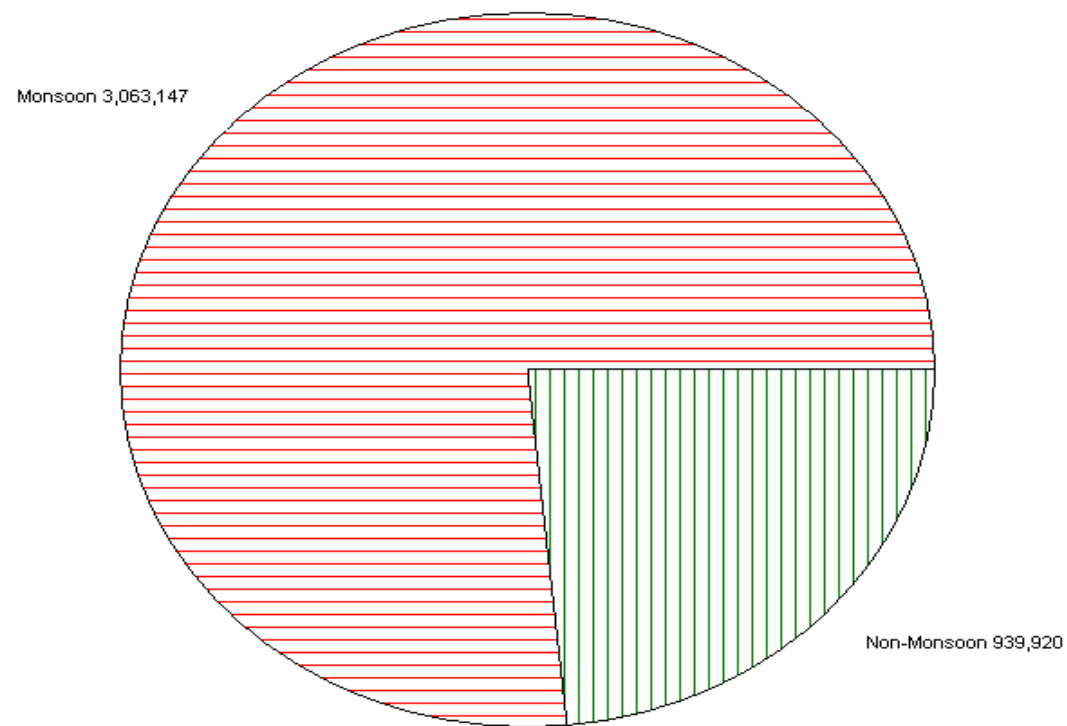
Sub-Division : Vaigai SD Madurai



Station Name : THENI (CVA00D4)
Local River : Suruliyar

Seasonal Sediment Load for the period : 1979-2016

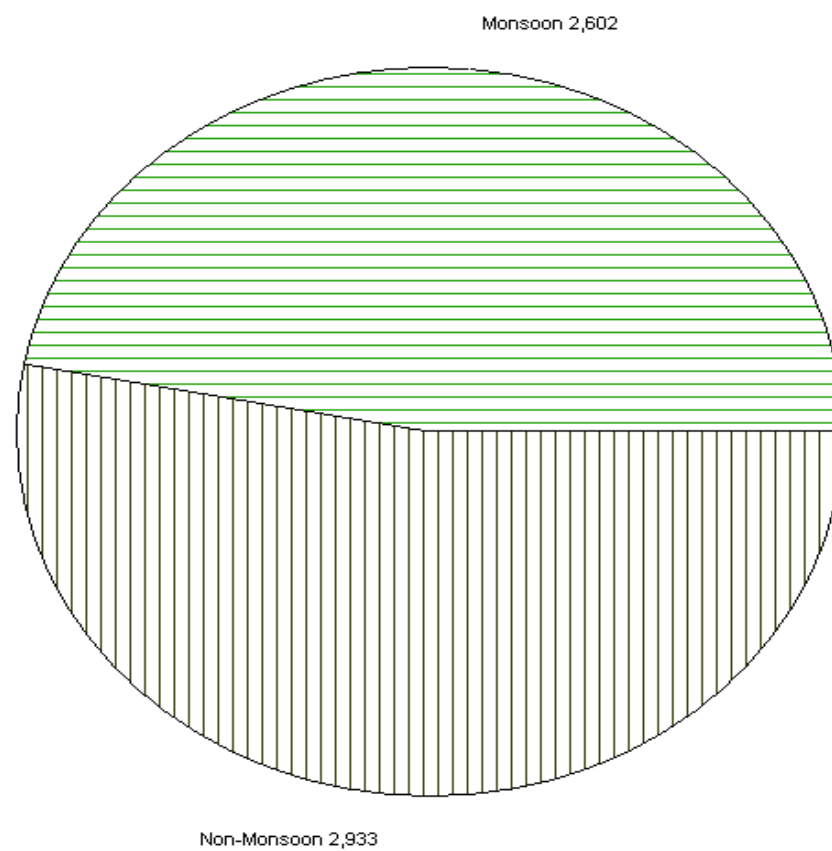
Division : SR Division, Coimbatore
Sub-Division : Vaigai SD Madurai



Station Name : THENI (CVA00D4)
Local River : Suruliyar

Seasonal Sediment Load for the Year: 2016-2017

Division : SR Division, Coimbatore
Sub-Division : Vaigai SD Madurai



BED MATERIAL ANALYSIS DATA

RIVER : Suruliyar

CODE No. : CVA00D4

SITE : Theni

CROSS SECTION : SGL

Sl.No.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER						
	R.D.(m)	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m³/s)	Bed Material Composition		WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m³/s)	Bed Material Composition	
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
MONSOON 2016										DATE OF COLLECTION		21/11/2016					
1	40	-	277.980	279.150	1.17		0.150		15.0	0.87							
2	50	-	278.050	279.130	1.08		0.231		19.0	1.49							
3	60	-	278.700	279.170	0.47	35.7	0.216	4.786	18.0	3.05	36.60	0.953	0.279	0.00027	4.786	19.0	1.80
POST MONSOON 2016 - 17										DATE OF COLLECTION							
1	40	Sample Not Collected															
2	50																
3	60																
PRE MONSOON 2017										DATE OF COLLECTION		30/05/2017					
1	40	-	277.955	278.855	0.90		No Flow, Stanant Water		16.0	1.90							
2	50	-	277.995	278.855	0.86				17.0	1.65							
3	60	-	278.675	278.855	0.18	35.0			15.0	2.27	-	-	-	-	-	17.0	1.94

Annual Sediment Load for period : 2003-2017

Station Name : AMBASAMUDRAM (CV000U2)

Local River : Vaigai

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2003-2004	32476	708	33184	18
2004-2005	115050	5912	120962	90
2005-2006	58134	82682	140816	158
2006-2007	52780	2993	55773	93
2007-2008	37271	130666	167937	195
2008-2009	32414	3023	35437	61
2009-2010	14158	3787	17945	48
2010-2011	9506	15996	25502	64
2011-2012	88003	16004	104007	100
2012-2013	1499	1	1500	6
2013-2014	122	162	284	3
2014-2015	2563	614	3177	40
2015-2016	6979	7755	14733	87
2016-2017	0	0	0	0

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : AMBASAMUDRAM (CV000U2)

Local River : Vaigai

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

436

Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 0

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : AMBASAMUDRAM (CV000U2)

Local River : Vaigai

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

437

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 0

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : AMBASAMUDRAM (CV000U2)

Local River : Vaigai

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

438

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
31	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 0

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : AMBASAMUDRAM (CV000U2)

Local River : Vaigai

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

439

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 0

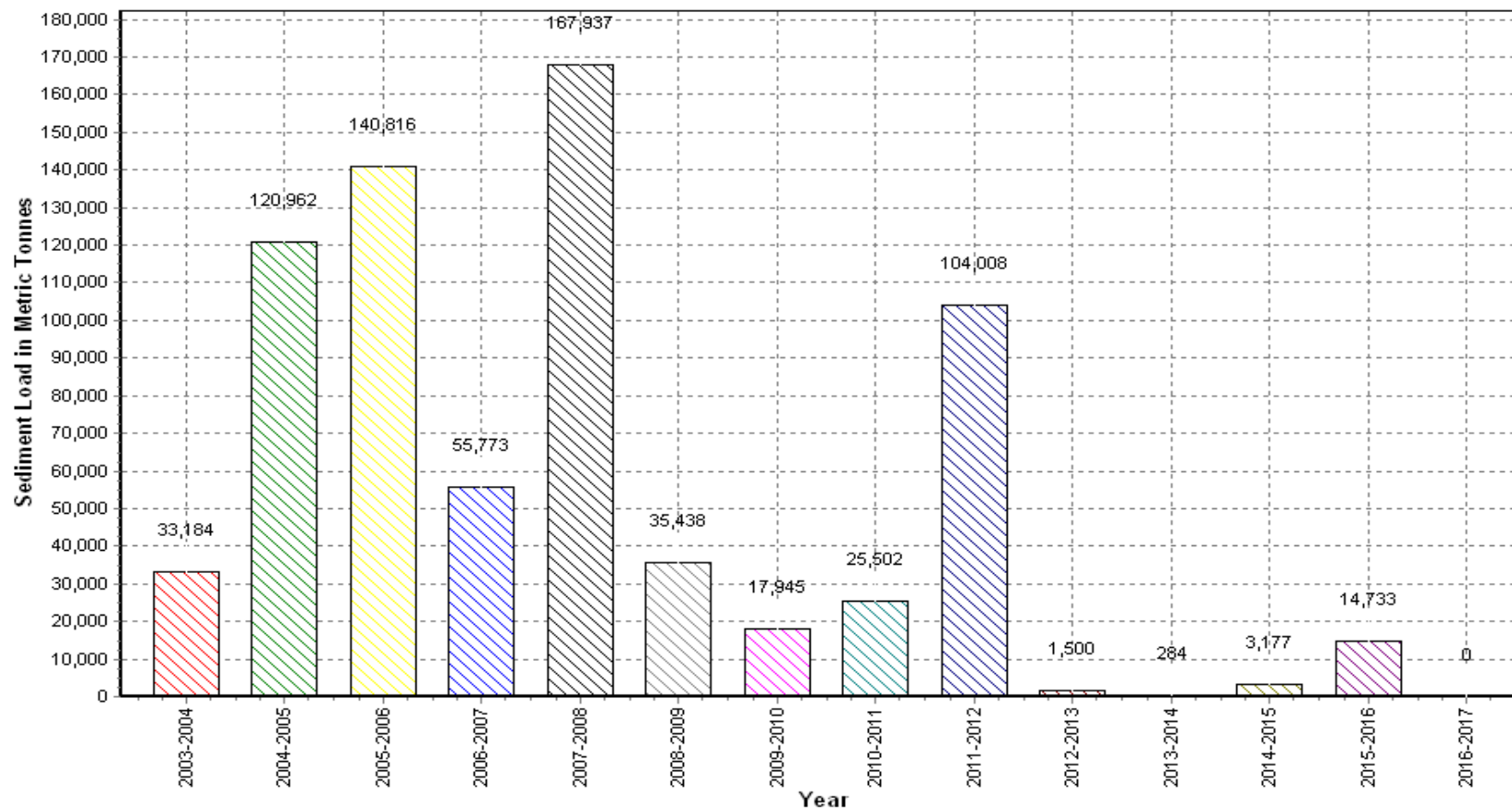
Annual Sediment Load for the period: 2003-2017

Station Name : AMBASAMUDRAM (CV000U2)

Local River : Vaigai

Division : SR Division, Coimbatore

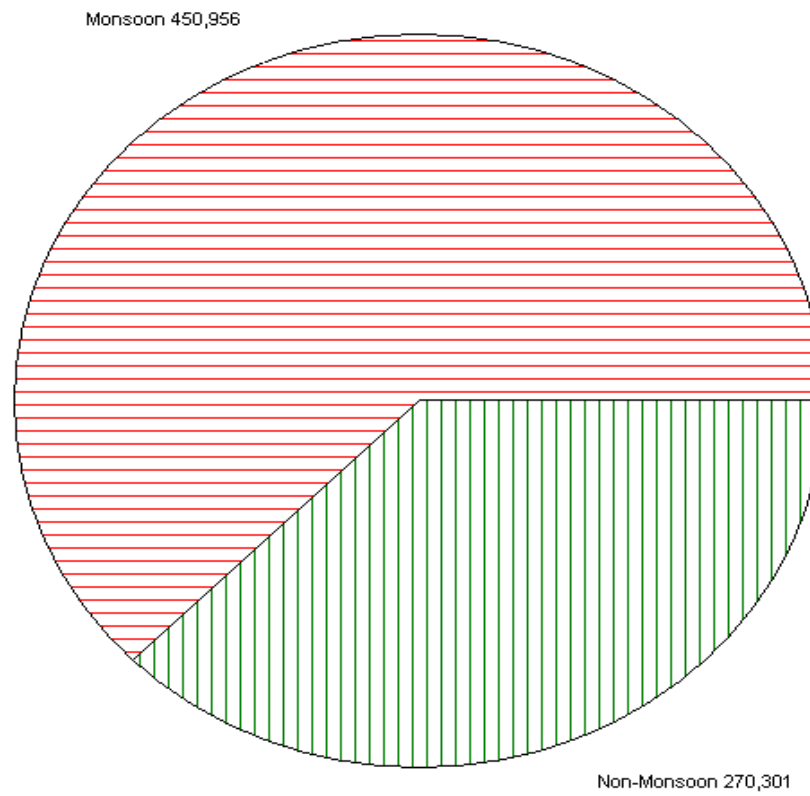
Sub-Division : Vaigai SD Madurai



Station Name : AMBASAMUDRAM (CV000U2)
Local River : Vaigai

Seasonal Sediment Load for the period : 2003-2016

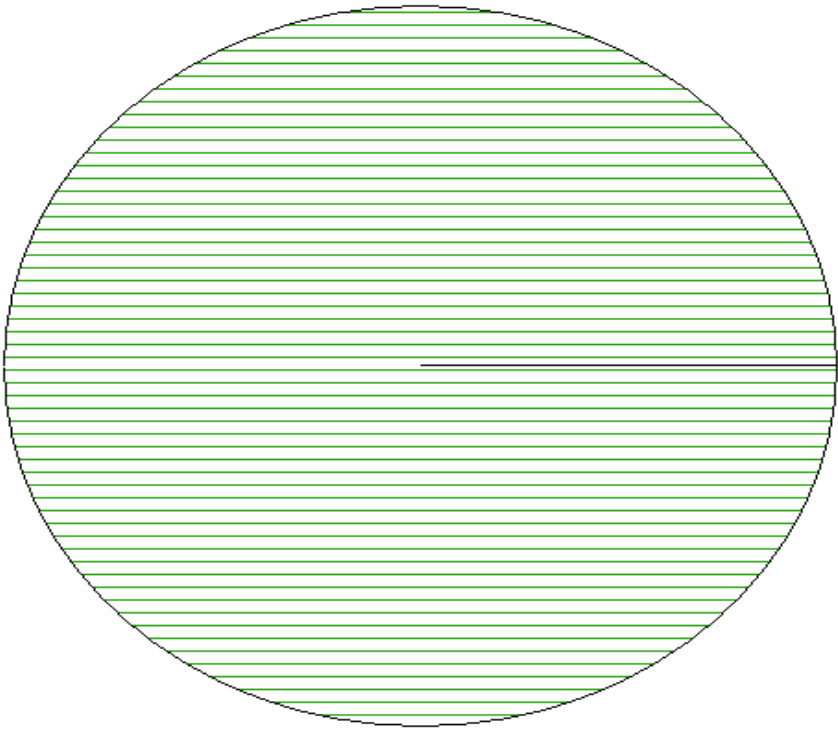
Division : SR Division, Coimbatore
Sub-Division : Vaigai SD Madurai



Station Name : AMBASAMUDRAM (CV000U2)
Local River : Vaigai

Seasonal Sediment Load for the Year: 2016-2017

Division : SR Division, Coimbatore
Sub-Division : Vaigai SD Madurai



BED MATERIAL ANALYSIS DATA

RIVER : **Vaigai** **CODE No.** : **CV000U2**

SITE : **Ambasamudram** **CROSS SECTION** : **SGL**

Sl.No.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER						
	R.D.(m)	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m³/s)	Bed Material Composition		WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m³/s)	Bed Material Composition	
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
MONSOON 2016																	
DATE OF COLLECTION										21/11/2016							
1	52	295.930	-	-	-	-	No Flow, Dry Bed		11.0	1.38						11.0	1.37
2	72	296.080	-	-	-	-			9.0	1.41							
3	84	295.910	-	-	-	-			11.0	1.31							
POST MONSOON 2016 - 17																	
DATE OF COLLECTION																	
1	52	Sample Not Collected															
2	72																
3	84																
PRE MONSOON 2017																	
DATE OF COLLECTION										31/05/2017							
1	52	295.860	-	-	-	-	No Flow, Dry Bed		11.0	2.19						17.0	2.05
2	72	296.090	-	-	-	-			13.0	2.23							
3	84	295.750	-	-	-	-			17.0	1.73							

Annual Sediment Load for period : 1979-2017

Station Name : MURAPPANADU (CT000H9)

Local River : Tambraparani

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1979-1980	591261	79402	670663	2296
1980-1981	20918	42258	63176	280
1981-1982	11748	16072	27820	357
1982-1983	20644	7056	27700	235
1983-1984	4640	210091	214731	1201
1984-1985	5260	6162	11422	253
1985-1986	11675	5235	16910	290
1986-1987	7033	4493	11526	229
1987-1988	31647	21546	53193	345
1988-1989	12427	4596	17023	242
1989-1990	10560	25383	35943	382
1990-1991	35824	21592	57416	518
1991-1992	20015	5723	25738	387
1992-1993	269077	40478	309555	996
1993-1994	106984	70939	177923	1214
1994-1995	50994	7340	58334	559
1995-1996	9838	3432	13270	242
1996-1997	3120	6482	9602	215
1997-1998	21538	53348	74886	882
1998-1999	4374	22118	26492	421
1999-2000	7666	5535	13201	390
2000-2001	8756	7549	16305	448
2001-2002	2665	4473	7138	276
2002-2003	5502	4366	9868	297
2003-2004	2954	2689	5643	282
2004-2005	53604	7784	61388	945
2005-2006	4248	19062	23310	656
2006-2007	SEDIMENT OBSERVATION NOT DONE			1375
2007-2008	Sed. Obsn. not done	15388	15388	748
2008-2009	7620	11272	18892	691
2009-2010	6244	4441	10685	463
2010-2011	1915	3246	5161	346
2011-2012	5824	1744	7568	359
2012-2013	523	1215	1738	173
2013-2014	2442	2355	4797	399
2014-2015	3656	4126	7782	625
2015-2016	4008	14258	18266	1015
2016-2017	987	208	1195	152

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : MURAPPANADU (CT000H9)

Local River : Tambraparani

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	5.025	0.000	0.000	0.007	0.007	3	14.72	0.000	0.000	0.009	0.009	11	20.47	0.000	0.000	0.010	0.010	17
2	5.034	0.000	0.000	0.008	0.008	4	17.10	0.000	0.000	0.009	0.009	13	17.54	0.000	0.000	0.009	0.009	13
3	4.458	0.000	0.000	0.008	0.008	3	17.63	0.000	0.000	0.009	0.009	13	16.42	0.000	0.000	0.008	0.008	11
4	4.312	0.000	0.000	0.008	0.008	3	14.24	0.000	0.000	0.008	0.008	10	19.25	0.000	0.000	0.008	0.008	14
5	4.243	0.000	0.000	0.008	0.008	3	12.40	0.000	0.000	0.009	0.009	9	19.40	0.000	0.000	0.009	0.009	14
6	3.497	0.000	0.000	0.008	0.008	3	11.63	0.000	0.000	0.008	0.008	8	19.26	0.000	0.000	0.009	0.009	15
7	3.461	0.000	0.000	0.009	0.009	3	8.609	0.000	0.000	0.005	0.005	4	17.09	0.000	0.000	0.008	0.008	12
8	2.416	0.000	0.000	0.006	0.006	1	11.52	0.000	0.000	0.008	0.008	8	16.12	0.000	0.000	0.008	0.008	11
9	3.445	0.000	0.000	0.009	0.009	3	11.95	0.000	0.000	0.008	0.008	9	17.71	0.000	0.000	0.009	0.009	14
10	7.228	0.000	0.000	0.008	0.008	5	7.818	0.000	0.000	0.006	0.006	4	10.97	0.000	0.000	0.008	0.008	8
11	5.704	0.000	0.000	0.008	0.008	4	8.798	0.000	0.000	0.009	0.009	7	8.904	0.000	0.000	0.009	0.009	7
12	9.854	0.000	0.000	0.011	0.011	9	5.441	0.000	0.000	0.007	0.007	3	7.082	0.000	0.000	0.009	0.009	6
13	6.534	0.000	0.000	0.008	0.008	5	12.41	0.000	0.000	0.008	0.008	9	7.358	0.000	0.000	0.009	0.009	6
14	10.43	0.000	0.000	0.008	0.008	7	12.02	0.000	0.000	0.010	0.010	10	6.332	0.000	0.000	0.009	0.009	5
15	14.65	0.000	0.000	0.009	0.009	11	11.95	0.000	0.000	0.009	0.009	9	3.215	0.000	0.000	0.009	0.009	2
16	15.42	0.000	0.000	0.010	0.010	13	11.52	0.000	0.000	0.009	0.009	9	4.607	0.000	0.000	0.009	0.009	4
17	5.637	0.000	0.000	0.008	0.008	4	12.08	0.000	0.000	0.008	0.008	8	4.309	0.000	0.000	0.009	0.009	3
18	5.512	0.000	0.000	0.007	0.007	3	12.82	0.000	0.000	0.006	0.006	7	5.720	0.000	0.000	0.010	0.010	5
19	8.609	0.000	0.000	0.007	0.007	5	14.06	0.000	0.000	0.008	0.008	10	2.745	0.000	0.000	0.009	0.009	2
20	16.09	0.000	0.000	0.008	0.008	11	12.99	0.000	0.000	0.008	0.008	9	4.221	0.000	0.000	0.009	0.009	3
21	17.60	0.000	0.000	0.009	0.009	13	12.29	0.000	0.000	0.010	0.010	11	2.611	0.000	0.000	0.009	0.009	2
22	15.45	0.000	0.000	0.008	0.008	11	16.70	0.000	0.000	0.010	0.010	15	2.564	0.000	0.000	0.009	0.009	2
23	16.30	0.000	0.000	0.009	0.009	13	14.07	0.000	0.000	0.007	0.007	9	2.156	0.000	0.000	0.009	0.009	2
24	15.77	0.000	0.000	0.008	0.008	11	15.00	0.000	0.000	0.010	0.010	13	2.116	0.000	0.000	0.010	0.010	2
25	14.30	0.000	0.000	0.009	0.009	11	14.90	0.000	0.000	0.010	0.010	13	1.946	0.000	0.000	0.006	0.006	1
26	14.00	0.000	0.000	0.008	0.008	10	15.42	0.000	0.000	0.008	0.008	11	2.743	0.000	0.000	0.008	0.008	2
27	13.34	0.000	0.000	0.008	0.008	9	16.95	0.000	0.000	0.007	0.007	10	4.412	0.000	0.000	0.009	0.009	3
28	12.95	0.000	0.000	0.009	0.009	10	23.75	0.000	0.000	0.010	0.010	19	4.617	0.000	0.000	0.011	0.011	4
29	12.32	0.000	0.000	0.007	0.007	8	29.60	0.000	0.000	0.010	0.010	26	4.271	0.000	0.000	0.008	0.008	3
30	13.98	0.000	0.000	0.007	0.007	8	26.70	0.000	0.000	0.008	0.008	18	3.818	0.000	0.000	0.008	0.008	3
31							21.60	0.000	0.000	0.009	0.009	17	3.724	0.000	0.000	0.010	0.010	3
Ten Daily Mean																		
Ten Daily I	4.312	0.000	0.000	0.008	0.008	3	12.76	0.000	0.000	0.008	0.008	9	17.42	0.000	0.000	0.009	0.009	13
Ten Daily II	9.843	0.000	0.000	0.008	0.008	7	11.41	0.000	0.000	0.008	0.008	8	5.449	0.000	0.000	0.009	0.009	4
Ten Daily III	14.60	0.000	0.000	0.008	0.008	10	18.82	0.000	0.000	0.009	0.009	15	3.180	0.000	0.000	0.009	0.009	2
Monthly																		
Total						205						331						197

Annual Sediment Load (Metric Tonnes) : 1195

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : MURAPPANADU (CT000H9)

Local River : Tambraparani

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

446

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	3.889	0.000	0.000	0.008	0.008	3	0.000	0.000	0.000	0.000	0.000	0	3.406	0.000	0.000	0.008	0.008	2
2	3.151	0.000	0.000	0.010	0.010	3	0.000	0.000	0.000	0.000	0.000	0	4.038	0.000	0.000	0.009	0.009	3
3	3.544	0.000	0.000	0.007	0.007	2	0.000	0.000	0.000	0.000	0.000	0	9.894	0.000	0.000	0.010	0.010	8
4	4.243	0.000	0.000	0.007	0.007	3	1.082	0.000	0.000	0.003	0.003	0	6.307	0.000	0.000	0.009	0.009	5
5	4.617	0.000	0.000	0.007	0.007	3	2.393	0.000	0.000	0.007	0.007	1	4.166	0.000	0.000	0.009	0.009	3
6	4.812	0.000	0.000	0.007	0.007	3	3.767	0.000	0.000	0.008	0.008	3	4.061	0.000	0.000	0.009	0.009	3
7	4.316	0.000	0.000	0.009	0.009	3	7.216	0.000	0.000	0.009	0.009	6	3.233	0.000	0.000	0.009	0.009	3
8	3.817	0.000	0.000	0.008	0.008	3	2.779	0.000	0.000	0.007	0.007	2	2.170	0.000	0.000	0.009	0.009	2
9	3.146	0.000	0.000	0.010	0.010	3	3.215	0.000	0.000	0.010	0.010	3	1.628	0.000	0.000	0.000	0.000	0
10	2.793	0.000	0.000	0.008	0.008	2	2.598	0.000	0.000	0.008	0.008	2	2.209	0.000	0.000	0.010	0.010	2
11	3.376	0.000	0.000	0.009	0.009	3	2.756	0.000	0.000	0.009	0.009	2	3.965	0.000	0.000	0.008	0.008	3
12	3.447	0.000	0.000	0.009	0.009	3	2.611	0.000	0.000	0.008	0.008	2	4.003	0.000	0.000	0.008	0.008	3
13	3.215	0.000	0.000	0.009	0.009	2	1.810	0.000	0.000	0.006	0.006	1	3.376	0.000	0.000	0.007	0.007	2
14	2.816	0.000	0.000	0.008	0.008	2	1.201	0.000	0.000	0.004	0.004	0	3.215	0.000	0.000	0.007	0.007	2
15	3.058	0.000	0.000	0.010	0.010	3	3.979	0.000	0.000	0.009	0.009	3	5.745	0.000	0.000	0.010	0.010	5
16	2.803	0.000	0.000	0.010	0.010	2	3.215	0.000	0.000	0.010	0.010	3	7.818	0.000	0.000	0.008	0.008	5
17	3.018	0.000	0.000	0.010	0.010	2	3.024	0.000	0.000	0.010	0.010	3	6.440	0.000	0.000	0.009	0.009	5
18	3.376	0.000	0.000	0.011	0.011	3	2.886	0.000	0.000	0.010	0.010	2	6.593	0.000	0.000	0.008	0.008	4
19	2.648	0.000	0.000	0.009	0.009	2	3.427	0.000	0.000	0.010	0.010	3	6.794	0.000	0.000	0.006	0.006	3
20	2.600	0.000	0.000	0.009	0.009	2	5.026	0.000	0.000	0.008	0.008	4	6.691	0.000	0.000	0.006	0.006	3
21	1.936	0.000	0.000	0.008	0.008	1	6.561	0.000	0.000	0.009	0.009	5	6.026	0.000	0.000	0.006	0.006	3
22	3.916	0.000	0.000	0.009	0.009	3	13.90	0.000	0.000	0.008	0.008	9	4.175	0.000	0.000	0.009	0.009	3
23	4.573	0.000	0.000	0.008	0.008	3	13.03	0.000	0.000	0.008	0.008	9	5.114	0.000	0.000	0.006	0.006	3
24	5.409	0.000	0.000	0.009	0.009	4	6.702	0.000	0.000	0.008	0.008	5	3.944	0.000	0.000	0.008	0.008	3
25	4.811	0.000	0.000	0.009	0.009	4	5.930	0.000	0.000	0.009	0.009	5	4.020	0.000	0.000	0.007	0.007	3
26	3.858	0.000	0.000	0.008	0.008	3	6.104	0.000	0.000	0.009	0.009	5	3.250	0.000	0.000	0.008	0.008	2
27	3.446	0.000	0.000	0.009	0.009	3	4.048	0.000	0.000	0.008	0.008	3	3.058	0.000	0.000	0.007	0.007	2
28	2.766	0.000	0.000	0.008	0.008	2	3.650	0.000	0.000	0.008	0.008	3	3.098	0.000	0.000	0.008	0.008	2
29	2.003	0.000	0.000	0.006	0.006	1	3.215	0.000	0.000	0.010	0.010	3	3.189	0.000	0.000	0.008	0.008	2
30	0.000	0.000	0.000	0.000	0.000	0	2.756	0.000	0.000	0.008	0.008	2	3.326	0.000	0.000	0.009	0.009	3
31							2.932	0.000	0.000	0.009	0.009	2						
Ten Daily Mean																		
Ten Daily I	3.833	0.000	0.000	0.008	0.008	3	2.305	0.000	0.000	0.005	0.005	2	4.111	0.000	0.000	0.008	0.008	3
Ten Daily II	3.036	0.000	0.000	0.009	0.009	2	2.993	0.000	0.000	0.008	0.008	2	5.464	0.000	0.000	0.007	0.007	4
Ten Daily III	3.272	0.000	0.000	0.007	0.007	2	6.257	0.000	0.000	0.009	0.009	4	3.920	0.000	0.000	0.008	0.008	3
Monthly																		
Total						74						89						92

Annual Sediment Load (Metric Tonnes) : 1195

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : MURAPPANADU (CT000H9)

Local River : Tambraparani

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

447

Day	Dec						Jan							Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	
1	1.953	0.000	0.000	0.011	0.011	2	2.077	0.000	0.000	0.007	0.007	1	5.495	0.000	0.000	0.007	0.007	3	
2	2.319	0.000	0.000	0.010	0.010	2	1.991	0.000	0.000	0.007	0.007	1	3.896	0.000	0.000	0.007	0.007	2	
3	2.124	0.000	0.000	0.006	0.006	1	1.773	0.000	0.000	0.006	0.006	1	3.596	0.000	0.000	0.007	0.007	2	
4	2.699	0.000	0.000	0.008	0.008	2	1.093	0.000	0.000	0.004	0.004	0	2.678	0.000	0.000	0.006	0.006	1	
5	2.839	0.000	0.000	0.008	0.008	2	0.717	0.000	0.000	0.002	0.002	0	2.550	0.000	0.000	0.007	0.007	2	
6	2.779	0.000	0.000	0.008	0.008	2	0.824	0.000	0.000	0.003	0.003	0	2.378	0.000	0.000	0.006	0.006	1	
7	2.886	0.000	0.000	0.007	0.007	2	1.040	0.000	0.000	0.003	0.003	0	2.078	0.000	0.000	0.006	0.006	1	
8	3.108	0.000	0.000	0.006	0.006	2	1.172	0.000	0.000	0.004	0.004	0	1.969	0.000	0.000	0.005	0.005	1	
9	3.075	0.000	0.000	0.008	0.008	2	0.817	0.000	0.000	0.003	0.003	0	1.819	0.000	0.000	0.005	0.005	1	
10	2.703	0.000	0.000	0.008	0.008	2	1.150	0.000	0.000	0.004	0.004	0	1.478	0.000	0.000	0.004	0.004	1	
11	4.039	0.000	0.000	0.016	0.016	6	1.085	0.000	0.000	0.004	0.004	0	1.931	0.000	0.000	0.005	0.005	1	
12	2.583	0.000	0.000	0.008	0.008	2	1.013	0.000	0.000	0.003	0.003	0	1.498	0.000	0.000	0.004	0.004	1	
13	2.262	0.000	0.000	0.006	0.006	1	0.705	0.000	0.000	0.002	0.002	0	1.568	0.000	0.000	0.004	0.004	1	
14	2.278	0.000	0.000	0.009	0.009	2	0.883	0.000	0.000	0.003	0.003	0	1.180	0.000	0.000	0.003	0.003	0	
15	2.458	0.000	0.000	0.008	0.008	2	1.071	0.000	0.000	0.004	0.004	0	1.044	0.000	0.000	0.003	0.003	0	
16	2.260	0.000	0.000	0.006	0.006	1	0.678	0.000	0.000	0.002	0.002	0	0.883	0.000	0.000	0.002	0.002	0	
17	2.168	0.000	0.000	0.008	0.008	1	0.562	0.000	0.000	0.002	0.002	0	0.000	0.000	0.000	0.000	0.000	0	
18	1.862	0.000	0.000	0.007	0.007	1	1.043	0.000	0.000	0.003	0.003	0	1.984	0.000	0.000	0.002	0.002	0	
19	1.789	0.000	0.000	0.007	0.007	1	2.322	0.000	0.000	0.008	0.008	2	2.699	0.000	0.000	0.003	0.003	1	
20	1.712	0.000	0.000	0.006	0.006	1	2.283	0.000	0.000	0.008	0.008	1	1.372	0.000	0.000	0.001	0.001	0	
21	2.118	0.000	0.000	0.008	0.008	1	2.428	0.000	0.000	0.008	0.008	2	1.896	0.000	0.000	0.002	0.002	0	
22	2.099	0.000	0.000	0.008	0.008	1	1.991	0.000	0.000	0.007	0.007	1	1.512	0.000	0.000	0.001	0.001	0	
23	2.309	0.000	0.000	0.009	0.009	2	1.981	0.000	0.000	0.007	0.007	1	1.217	0.000	0.000	0.001	0.001	0	
24	2.227	0.000	0.000	0.008	0.008	2	1.730	0.000	0.000	0.006	0.006	1	1.615	0.000	0.000	0.002	0.002	0	
25	2.262	0.000	0.000	0.008	0.008	2	2.778	0.000	0.000	0.007	0.007	2	1.969	0.000	0.000	0.002	0.002	0	
26	2.102	0.000	0.000	0.007	0.007	1	2.262	0.000	0.000	0.006	0.006	1	1.498	0.000	0.000	0.001	0.001	0	
27	1.942	0.000	0.000	0.007	0.007	1	2.644	0.000	0.000	0.005	0.005	1	1.196	0.000	0.000	0.001	0.001	0	
28	1.985	0.000	0.000	0.007	0.007	1	3.451	0.000	0.000	0.007	0.007	2	1.966	0.000	0.000	0.002	0.002	0	
29	2.489	0.000	0.000	0.008	0.008	2	4.039	0.000	0.000	0.010	0.010	3							
30	2.408	0.000	0.000	0.010	0.010	2	4.021	0.000	0.000	0.010	0.010	3							
31	1.965	0.000	0.000	0.008	0.008	1	4.642	0.000	0.000	0.007	0.007	3							
Ten Daily Mean																			
Ten Daily I	2.649	0.000	0.000	0.008	0.008	2	1.265	0.000	0.000	0.004	0.004	1	2.794	0.000	0.000	0.006	0.006	2	
Ten Daily II	2.341	0.000	0.000	0.008	0.008	2	1.164	0.000	0.000	0.004	0.004	0	1.416	0.000	0.000	0.003	0.003	0	
Ten Daily III	2.173	0.000	0.000	0.008	0.008	1	2.906	0.000	0.000	0.007	0.007	2	1.609	0.000	0.000	0.001	0.001	0	
Monthly																			
Total						52						31						21	

Annual Sediment Load (Metric Tonnes) : 1195

Daily Observed Sediment Datasheet for period : 2016-2017

Station Name : MURAPPANADU (CT000H9)

Local River : Tambraparani

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD Madurai

448

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	1.651	0.000	0.000	0.002	0.002	0	2.416	0.000	0.000	0.005	0.005	1	2.550	0.000	0.000	0.005	0.005	1
2	2.051	0.000	0.000	0.002	0.002	0	2.550	0.000	0.000	0.006	0.006	1	1.991	0.000	0.000	0.004	0.004	1
3	2.578	0.000	0.000	0.002	0.002	1	2.280	0.000	0.000	0.009	0.009	2	1.991	0.000	0.000	0.004	0.004	1
4	1.835	0.000	0.000	0.002	0.002	0	2.196	0.000	0.000	0.004	0.004	1	2.125	0.000	0.000	0.004	0.004	1
5	2.853	0.000	0.000	0.003	0.003	1	2.000	0.000	0.000	0.004	0.004	1	1.862	0.000	0.000	0.004	0.004	1
6	4.220	0.000	0.000	0.004	0.004	1	2.164	0.000	0.000	0.004	0.004	1	1.862	0.000	0.000	0.004	0.004	1
7	4.420	0.000	0.000	0.006	0.006	2	2.087	0.000	0.000	0.004	0.004	1	1.385	0.000	0.000	0.003	0.003	0
8	4.369	0.000	0.000	0.007	0.007	3	1.840	0.000	0.000	0.004	0.004	1	1.932	0.000	0.000	0.004	0.004	1
9	4.491	0.000	0.000	0.007	0.007	3	1.615	0.000	0.000	0.003	0.003	0	1.966	0.000	0.000	0.004	0.004	1
10	4.807	0.000	0.000	0.006	0.006	3	1.783	0.000	0.000	0.003	0.003	1	2.550	0.000	0.000	0.005	0.005	1
11	3.562	0.000	0.000	0.006	0.006	2	1.908	0.000	0.000	0.004	0.004	1	2.814	0.000	0.000	0.005	0.005	1
12	3.010	0.000	0.000	0.009	0.009	2	2.161	0.000	0.000	0.004	0.004	1	2.462	0.000	0.000	0.008	0.008	2
13	2.740	0.000	0.000	0.010	0.010	2	2.469	0.000	0.000	0.008	0.008	2	2.013	0.000	0.000	0.008	0.008	1
14	2.451	0.000	0.000	0.006	0.006	1	2.699	0.000	0.000	0.005	0.005	1	4.039	0.000	0.000	0.007	0.007	2
15	3.270	0.000	0.000	0.009	0.009	2	2.823	0.000	0.000	0.005	0.005	1	5.106	0.000	0.000	0.007	0.007	3
16	3.103	0.000	0.000	0.007	0.007	2	2.699	0.000	0.000	0.005	0.005	1	2.862	0.000	0.000	0.007	0.007	2
17	3.124	0.000	0.000	0.009	0.009	3	2.550	0.000	0.000	0.005	0.005	1	1.907	0.000	0.000	0.005	0.005	1
18	4.001	0.000	0.000	0.007	0.007	2	2.699	0.000	0.000	0.005	0.005	1	1.730	0.000	0.000	0.004	0.004	1
19	4.802	0.000	0.000	0.008	0.008	3	2.125	0.000	0.000	0.004	0.004	1	1.854	0.000	0.000	0.005	0.005	1
20	3.814	0.000	0.000	0.010	0.010	3	1.991	0.000	0.000	0.004	0.004	1	1.427	0.000	0.000	0.003	0.003	0
21	2.778	0.000	0.000	0.011	0.011	3	1.498	0.000	0.000	0.003	0.003	0	1.276	0.000	0.000	0.003	0.003	0
22	3.288	0.000	0.000	0.007	0.007	2	1.385	0.000	0.000	0.003	0.003	0	1.060	0.000	0.000	0.003	0.003	0
23	3.627	0.000	0.000	0.007	0.007	2	1.385	0.000	0.000	0.003	0.003	0	0.700	0.000	0.000	0.002	0.002	0
24	3.649	0.000	0.000	0.008	0.008	2	1.226	0.000	0.000	0.002	0.002	0	0.633	0.000	0.000	0.002	0.002	0
25	3.474	0.000	0.000	0.009	0.009	3	1.796	0.000	0.000	0.003	0.003	1	0.000	0.000	0.000	0.000	0.000	0
26	3.010	0.000	0.000	0.009	0.009	2	2.033	0.000	0.000	0.004	0.004	1	0.000	0.000	0.000	0.000	0.000	0
27	2.518	0.000	0.000	0.009	0.009	2	1.975	0.000	0.000	0.004	0.004	1	0.000	0.000	0.000	0.000	0.000	0
28	2.297	0.000	0.000	0.007	0.007	1	2.175	0.000	0.000	0.004	0.004	1	0.000	0.000	0.000	0.000	0.000	0
29	2.339	0.000	0.000	0.010	0.010	2	1.909	0.000	0.000	0.004	0.004	1	0.000	0.000	0.000	0.000	0.000	0
30	2.271	0.000	0.000	0.007	0.007	1	1.991	0.000	0.000	0.004	0.004	1	0.000	0.000	0.000	0.000	0.000	0
31	2.333	0.000	0.000	0.007	0.007	1							0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	3.327	0.000	0.000	0.004	0.004	1	2.093	0.000	0.000	0.005	0.005	1	2.021	0.000	0.000	0.004	0.004	1
Ten Daily II	3.388	0.000	0.000	0.008	0.008	2	2.412	0.000	0.000	0.005	0.005	1	2.621	0.000	0.000	0.006	0.006	1
Ten Daily III	2.871	0.000	0.000	0.008	0.008	2	1.737	0.000	0.000	0.003	0.003	1	0.334	0.000	0.000	0.001	0.001	0
Monthly																		
Total						59						24						21

Annual Sediment Load (Metric Tonnes) : 1195

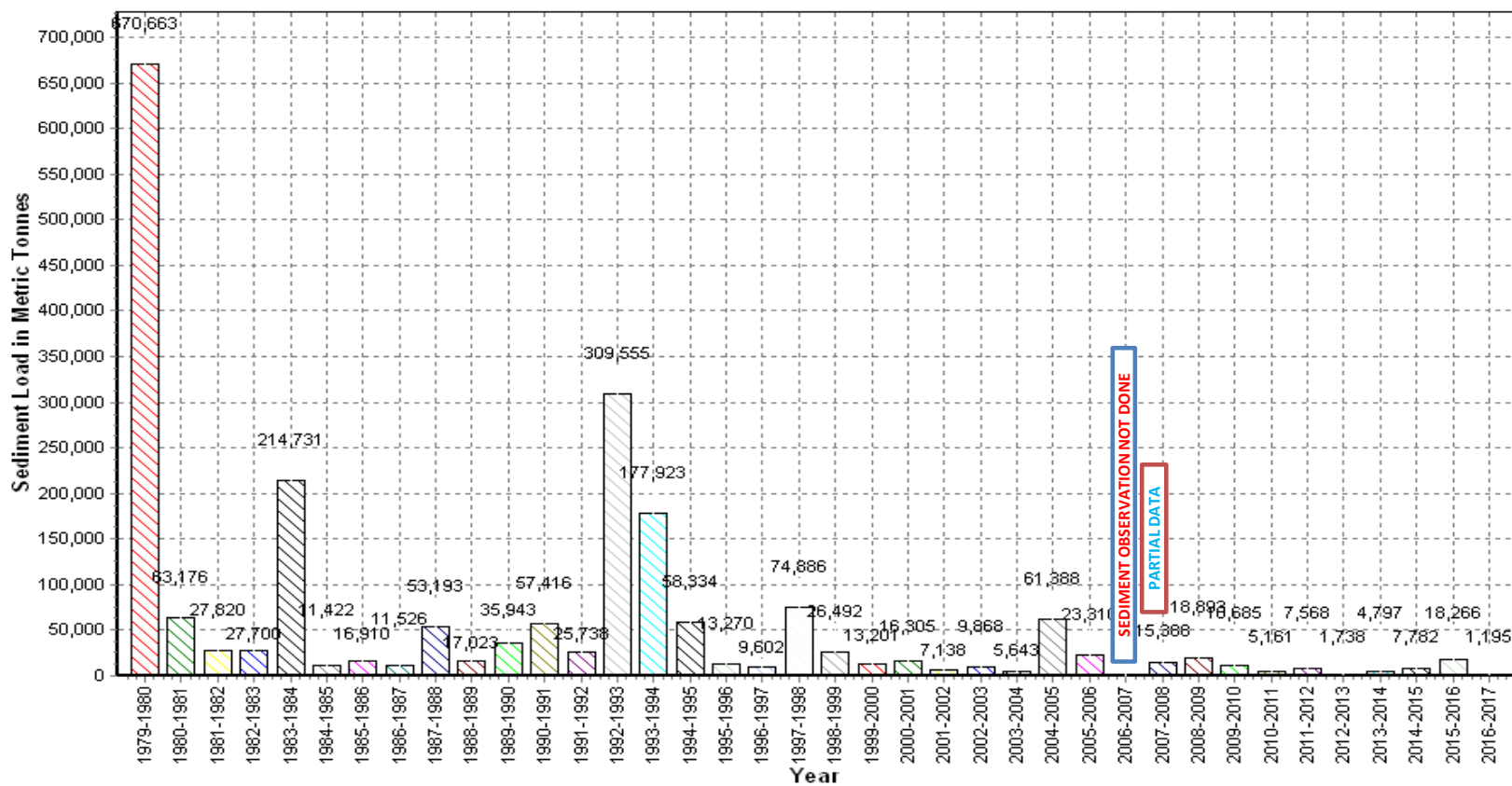
Annual Sediment Load for the period: 1979-2017

Station Name : MURAPPANADU (CT000H9)

Local River : Tambraparani

Division : SR Division, Coimbatore

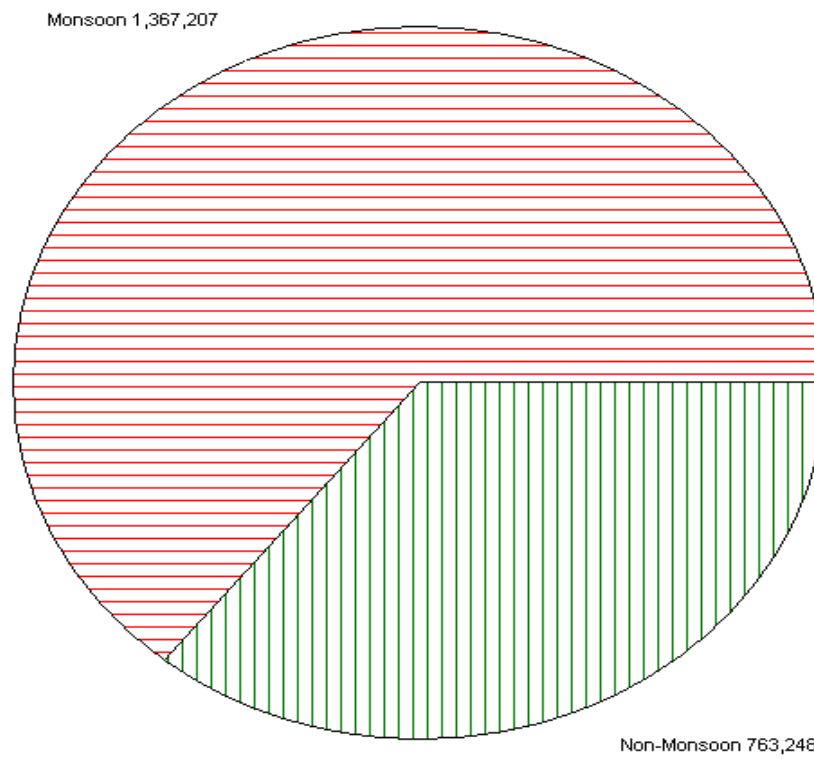
Sub-Division : Vaigai SD Madurai



Station Name : MURAPPANADU (CT000H9)
Local River : Tambraparani

Seasonal Sediment Load for the period : 1979-2016

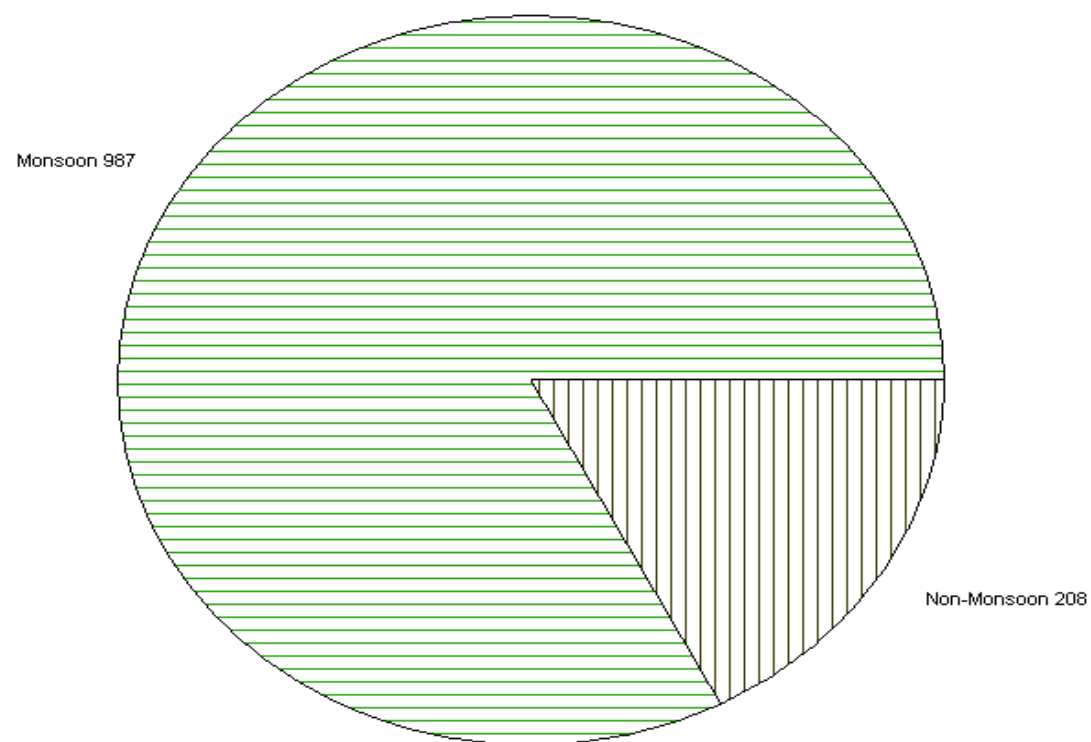
Division : SR Division, Coimbatore
Sub-Division : Vaigai SD Madurai



Station Name : MURAPPANADU (CT000H9)
Local River : Tambraparani

Seasonal Sediment Load for the Year: 2016-2017

Division : SR Division, Coimbatore
Sub-Division : Vaigai SD Madurai



BED MATERIAL ANALYSIS DATA

RIVER : Tambraparani

CODE No. : CT000H9

SITE : Murappanadu

CROSS SECTION : SGL

Sl.No.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER							
	R.D.(m)	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m³/s)	Bed Material Composition		WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m³/s)	Bed Material Composition		
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
MONSOON 2016										DATE OF COLLECTION		30/11/2016						
1	75	14.985				75.0			11.0	1.07								
2	150	-	14.205	14.785	0.58	75.0	0.069	1.952	19.0	1.65	60.03	0.4689	0.0693	0.0002	1.952			
3	230	15.200				80.0			6.0	0.68								
4	300	16.740				70.0			8.0	0.63								
5	380	17.415				80.0			19.0	1.67								
6	450	19.635				70.0			10.0	0.75						19.0	1.08	
POST MONSOON 2016 - 17										DATE OF COLLECTION		15/02/2017						
1	75	15.075	-	-	-	75.0	-	-	10.0	1.22								
2	150	-	14.280	14.710	0.43	75.0	0.049	1.003	11.0	1.53	60.02	0.3432	0.049	0.0002	1.003			
3	230	15.235	-	-	-	80.0	-	-	11.0	0.91								
4	300	16.740	-	-	-	70.0	-	-	6.0	0.73								
5	380	17.420	-	-	-	80.0	-	-	11.0	1.84								
6	450	19.620	-	-	-	70.0	-	-	10.0	1.16						11.0	1.23	
PRE MONSOON 2017										DATE OF COLLECTION		30/05/2017						
1	75	15.045	-	-	-	75.0	No Flow, Stanant Water		10.0	0.80								
2	150	-	14.205	14.435	0.23	75.0			17.0	1.40								
3	230	15.210	-	-	-	80.0			17.0	0.96								
4	300	16.780	-	-	-	70.0			8.0	0.60								
5	380	17.410	-	-	-	80.0			10.0	0.96								
6	450	19.630	-	-	-	70.0			15.0	0.87	-	-	-	-	-		17.0	0.93

ABBREVIATIONS AND SYMBOLS

Av.	:	Average
Cumec.	:	Cubic meter per second
Dis.	:	Discharge
G	:	Gauge
GD	:	Gauge and Discharge
GDS	:	Gauge, Discharge and Sediment
GDSQ	:	Gauge, Discharge, Sediment & Water Quality
G.T.S.	:	Great Trigonometrical Survey
Km.	:	Kilometer
M.Cum/Mm ³	:	Million Cubic Meter
M	:	Meter
mm	:	Millimeter
M ³ /s	:	Cubic meter per Second
LKD	:	Lower Krishna Division
SRD	:	Southern River Division
HD	:	Hydrology Division
Max.	:	Maximum
Min.	:	Minimum
m.s.l	:	Mean Sea level
Rem.Days	:	Remaining Days
R.L.	:	Reduced Level
Sec.	:	Second
Sq.km	:	Square kilometer
W.L.	:	Water Level
W.Year	:	Water Year
W.Q.	:	Water Quality
°	:	Degree (30°)
'	:	Minute
"	:	Second
*	:	Estimated Discharge