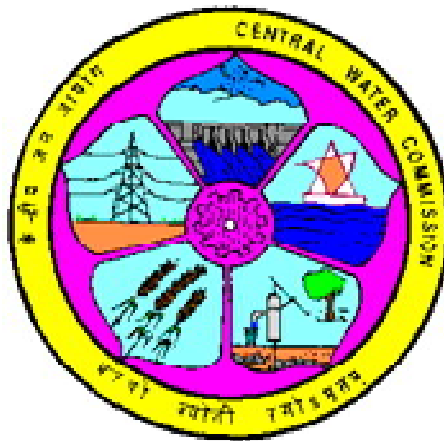


FOR OFFICIAL USE ONLY

**GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION**



**GODAVARI BASIN
SUSPENDED SEDIMENT YEAR BOOK
(Volume II)
(JUNE 2017-MAY 2018)**

**GODAVARI CIRCLE
HYDERABAD
March 2019**

P R E F A C E

As a part of the Hydrological observation programme, The Central Water Commission has been carrying out silt load observations of rivers. The silt load being carried by the river waters is an important factor based on which the life of the dams and other structures depends. This is also an important factor while designing the new structures. Sediment analysis laboratories were set up at many of the hydrological observation sites for analysing the water samples and determining the sediment load. At present in the Godavari basin sediment analysis is being carried out at 23 stations which are of importance from sediment considerations, out of which five sites are located on the main Godavari river.

Sediment data is collected on daily basis during monsoon period when sediment load is considerably high and once in a week during non-monsoon period.

Three field divisions viz. UGD& LGD with Head quarters at Hyderabad under the control of Superintending Engineer, Godavari Circle and Wainganga Division with head quarters at Nagpur under the control of Superintending Engineer(C), Nagpur are responsible for the sediment observations in Godavari basin.

The suspended sediment load data for Godavari basin is published every year in the form of a Sediment Year Book. This volume contains the sediment data for the year 2017-18 along with the daily grade-wise suspended sediment concentration, annual sediment load, annual sediment load bar chart, pie charts showing seasonal sediment load from inception, seasonal sediment load for current year and Bed material analysis data for the year 2017-18 are also presented. For each of the observation site, a history sheet containing information on the location and other general features of the site are also included for ready reference.

The efforts put up by various personnel of all the three divisions besides officers and staff of Godavari Circle in bringing out this volume is duly acknowledge.

Hyderabad
March, 2019


(M. RAGHURAM)
Superintending Engineer
Godavari Circle

C O N T E N T S

1.	Introduction	i
2.	Suspended Sediment Data	i
3.	Bed Material data	iv
4.	Map of Sediment Observation sites in Godavari Basin	vi
5	Daily Observed Suspended Sediment & Bed Material data	
5.1	Godavari at Polavaram	1
5.2	Sabari at Konta	12
5.3	Godavari at Perur	17
5.4	Indravati at Pathagudem	28
5.5	Indravati at Jagdalpur	39
5.6	Pranahita at Tekra	50
5.7	Peddavagu at Bhatpally	61
5.8	Wardha at Bamni	71
5.9	Penganga at P.G.Bridge	82
5.10	Wunna at Nandgaon	92
5.11	Wardha at Hivra	102
5.12	Wainganga at Asthi	112
5.13	Kanhan at Satrapur	123
5.14	Kanhan at Ramakona	133
5.15	Bagh at Rajegaon	143
5.16	Wainganga at Kumhari	153
5.17	Wardha at Sakmur	163
5.18	Godavari at Mancherial	173
5.19	Manjira at Saigaon	184
5.20	Purna at Purna	189
5.21	Godavari at Dhalegaon	194
5.22	Godavari at Kopergaon	199
5.23	Pravara at Pachegaon	200

1. INTRODUCTION

River Godavari is the largest river in South India extending over 10% of the geographical area of the country. The catchment area of the Godavari basin is 3,12,812 square kilometer draining parts of Maharashtra, Karnataka, Madhya Pradesh, Chattisgarh, Orissa, Telangana and Andhra Pradesh States. The river Godavari rises at an elevation of 1,067 m in the Western Ghats near Thriambak Hills in the Nasik district of Maharashtra. After flowing for about 1,465 kilometer in a generally south-east direction, through Maharashtra, Telangana and Andhra Pradesh, the waters of Godavari fall into the Bay of Bengal. The Pravara, the Manjira and the Maner are the major right bank tributaries while the Purna, the Pranahita, the Indravati and the Sabari are the major left bank tributaries covering nearly 60% of the total drainage area of the basin.

Measurements of sediment have been conducted in River Godavari since 1971-72. The data presented in this publication relates to the 23 sediment observation stations maintained by the Lower Godavari Division, Hyderabad (5 Stations), Upper Godavari Division, Hyderabad (6 Stations) under Godavari Circle, Hyderabad and Wainganga Division, Nagpur (12 Stations).

2. SUSPENDED SEDIMENT DATA

Measurements of Suspended Sediment concentration are carried out by taking river water samples at selected discharge measuring sites. The river water samples collected are analyzed to assess the coarse, medium and fine grade sediment concentration. Twenty-three such stations are in operation in the Godavari basin during the water year 2017-18. The locations of the sediment observation stations in the Godavari Basin are indicated in the enclosed index map of the basin.

2.1 Explanatory notes

The explanatory notes given here under will assist in the interpretation of hydrological parameters contained in the data presented subsequently.

- Water year commences from 1st June of a calendar and ends on 31st May of the next calendar year.
- Sediment is classified as coarse, medium and fine grades according to the size of the particle as indicated below:

Coarse grade Retained on 212-micron sieve (Above 0.2 mm dia.).

Medium grade Passing 212-micron sieve and retained on 75 micron sieve (0.2 mm to 0.075mm dia.).

Fine grade Passing 75 micron sieve (Below 0.075mm dia.).

2.2 Method of presentation

Station-wise suspended sediment data is presented consisting of history sheet, daily observed suspended sediment data and seasonal sediment load for the current year seasonal and annual sediment load along with annual runoff, bar chart showing annual sediment load, pie charts showing average seasonal sediment load since inception of sites. The suspended sediment observation stations are arranged serially along the river moving upstream from the sea or confluence with main river towards its source, giving due priority to sites on intermediate tributary in a similar way. The history sheet gives brief particulars of the suspended sediment observation station. The suspended sediment load and other statistics as mentioned above are generated by using SWDES.

2.3 Frequency

The water samples for sediment are collected and analysed on daily basis during the monsoon period and once in a week during the non-monsoon period.

2.4 Analysis technique & computation of data

Sufficient volume of each sample of water containing sediment, normally 5 liters, is collected for each group. After allowing the particles to settle at the bottom of the bucket for about two to three minutes, the supernatant water is decanted off and the residue is transferred completely into a numbered beaker for analyzing the coarse and medium grades of the sediment. The water samples of each composite group are analyzed separately.

2.4.1 Analysis of Coarse Sediments: Water samples of each group are passed through 212 micron sieve. The coarse sediment is retained on the sieve, while medium and fine sediment pass through the sieve with water. The coarse sediment retained by the sieve is washed thoroughly with a jet of clean water to ensure complete removal of fine and medium sediment. The particles of coarse sediment are then transferred to a pre weighed dish. Then it is dried in a hot air

oven, cooled in desiccators and weighed. The difference in weight gives the weight of coarse sediment in grams.

2.4.2 Analysis of Medium Sediments: For separation of the medium sediment in the water samples, the filtrate obtained after the separation of coarse sediment is passed through 75 micron sieve (0.075mm). The medium sediment retained by the sieve is washed thoroughly with a jet of clean water to ensure complete removal of fine silt. The particles of medium sediment are then transferred to pre weighed dish, dried in a hot air oven, cooled in desiccators and weighed. The difference in weight gives the weight of medium sediment in grams.

2.4.3 Analysis of Fine Sediments: The water sediment mixture containing fine sediment only is left after the separation of coarse and medium sediment by sieving. Then all the sieved samples are mixed well by stirring for few minutes and allowed to stand. From this, at least 4 litres of sample is taken for fine sediment analysis. To induce fine sediment to settle, 2 to 3 ml of 5% alum solution is added when the sediment concentration is high (monsoon period) and 2 to 3 ml of 1% alum solution is added when the sediment concentration is low (non-monsoon period). The mixture is stirred well and allowed to stand for 24 hours, when all the particles are settle down, the supernatant water will be siphoned off carefully and the fine sediment only is transferred from the bucket to a small beaker. If any sediment sticks to the sides of the bucket, it is removed using a cork tipped glass rod and washing with clean water until all the fine sediment is transferred into the beaker. The contents in the beaker are transferred carefully on a pre weighed Whatman No 1 filter paper fitted in a funnel. A few washings are given to the residue on the filter paper to wash off the alum. When the water is drained out completely the wet filter paper with residue is carefully placed in a dish and dried by keeping it in a hot air oven, then subsequently cooled in a desiccator and weighed. The difference in weight gives the weight of the fine sediment in grams.

Similarly water samples of each group are analysed separately for coarse, and medium sediments while the fine sediment load analysed by mixing of each group sample into a bucket and at least 4 liters are taken for fine sediment analysis.

The grade-wise concentration is evaluated by gravimetric method following Bureau of Indian standards code IS: 6339 – 1971. From analysis results, the

sediment concentration in the entire cross-section is derived and sediment load per day is computed when discharge is measured. For the non-observation days, the sediment concentration is estimated either by simple interpolation from the sediment concentration from the days immediately preceding and succeeding the non-observation day or by using the sediment load versus discharge relationship derived for shorter periods in the immediate vicinity of the non-observation day.

The observed and analysed data is fed in the standard format and the data is to be processed/ computed as indicated in the format.

3. BED MATERIAL DATA

At all the 23 hydrological observation stations where sediment measurements conducted, the bed material survey is also carried out. The samples collected at the field stations under the Upper Godavari Division, Hyderabad and the Lower Godavari Division, Hyderabad are analysed in the Level III laboratory attached to the Upper Godavari Division and those collected at twelve (12) stations under the Wainganga Division are analysed in the laboratory attached to Wainganga Division, Nagpur.

3.1 Explanatory notes

The explanatory notes given here under is expected to assist in the interpretation of hydrological parameters contained in the data presented subsequently.

- Water year commences from 1st June of a calendar and ends on 31st May of the next calendar year.
- The discharge values are taken from Stage – Discharge Summary
- The hydrological parameters are taken from Stage – Discharge Summary.

3.2 Method of collection

Depending on the width of the river, three (3) to seven (7) samples are collected along the station gauge line at the station. Scoop type bed material sampler is used to collect sample from flowing channel. From dry/wet bed, the samples are collected after scraping the upper layer of the bed up to three (3) to six (6) inches to avoid local contamination. The samples are collected in larger quantities and dried up. A representative sample of about one (1) kilogram is taken through the process of coning and quartering. The sample, which

collected, is packed and labeled with details of hydraulic parameters and then transported to the Divisional laboratory.

3.3 Frequency of Bed material Survey

Bed material survey at the selected field stations is generally conducted thrice in a year, i.e., pre- monsoon (before on set of monsoon), monsoon (generally after receding of major flood) and post-monsoon (just after the end of monsoon period).

3.4 Analysis technique & computation of data

The samples received in the divisional laboratory is sieved through a set of standard sieves. The sample passing through 0.6 mm dia sieve is again analysed by “wet process” using Puri’s Siltometer. The particle size distribution curve for each sample is drawn by plotting summation percentage (Y-axis) against diameters in mm (X-axis). Mean diameter of the sample is obtained by dividing the area of particle size distribution curve with 100.

The silt factor is then calculated from the value of the average mean diameter of particles of total sample. Silt factor ‘f’ is defined as:

$$f = 1.76 \sqrt{m}$$

Where ‘m’ is the average of mean diameter of the particles of bed material samples collected at different locations along the cross-section of the river at station gauge line. The size of bed material particles and their packing directly affect the roughness of the river bed. The roughness and other hydraulic parameters in turn affects the meandering and braiding of river regime. The values of silt factor ‘f’ is used for correlating various regime equations.

3.5 Method of presentation

The Hydrological observation stations are arranged serially along the river moving upstream from the sea or confluence with main river towards its source, giving due priority to sites on intermediate tributary in a similar way. The data is presented starting from the pre-monsoon period and ending with post-monsoon period. The data gives the average mean diameter ‘m’ and silt factor ‘f’.



HISTORY SHEET

		Water Year	: 2017-2018
Site	: Polavaram	Code	: AG000C3
State	: Andhra Pradesh	District	West Godavari
Basin	: Godavari	Independent River	: Godavari
Tributary	: -	Sub Tributary	: -
Sub-Sub Tributary	: -	Local River	: Godavari
Division	: Lower Godavari Div., Hyderabad	Sub-Division	: Lower Godavari 2, Rajahmundry
Drainage Area	: 307800 Sq. Km.	Bank	: Right
Latitude	: 17°14'45"	Longitude	: 81°39'35"
Zero of Gauge (m)	: 10.897 (m.s.l)	03/07/1964	
	Opening Date	Closing Date	
Gauge	: 01/01/1966		
Discharge	: 01/01/1966		
Sediment	: 25/10/1966		
Water Quality	: 25/10/1966		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Polavaram (AG000C3)

Local River : Godavari

Division : Lower Godavari Div., Hyderabad

Sub-Division : Lower Godavari 2, Rajahmundry

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	149.9	0.000	0.000	0.020	0.020	256	2079	0.000	0.000	0.239	0.239	42983	2205	0.000	0.000	0.193	0.193	36812
2	191.1	0.000	0.000	0.014	0.014	225	2439	0.000	0.000	0.215	0.215	45328	2042	0.000	0.000	0.207	0.207	36533
3	285.8	0.000	0.000	0.007	0.007	180	2439	0.000	0.000	0.191	0.191	40228	2026	0.000	0.000	0.172	0.172	30137
4	273.1	0.000	0.000	0.007	0.007	172	2986	0.000	0.000	0.239	0.239	61565	1989	0.000	0.000	0.229	0.229	39380
5	264.4	0.000	0.000	0.013	0.013	299	2771	0.000	0.000	0.224	0.224	53550	1958	0.000	0.000	0.198	0.198	33516
6	228.2	0.000	0.000	0.019	0.019	377	2194	0.000	0.000	0.232	0.232	43883	2006	0.000	0.000	0.175	0.175	30310
7	198.2	0.000	0.000	0.019	0.019	327	2057	0.000	0.000	0.183	0.183	32539	1921	0.000	0.000	0.256	0.256	42444
8	169.3	0.000	0.000	0.019	0.019	279	1824	0.000	0.000	0.172	0.172	27036	2572	0.000	0.000	0.225	0.225	49915
9	183.5	0.000	0.000	0.019	0.019	303	1588	0.000	0.000	0.172	0.172	23545	2475	0.000	0.000	0.416	0.416	88857
10	218.6	0.000	0.000	0.019	0.019	361	1269	0.000	0.000	0.160	0.160	17568	2122	0.000	0.000	0.279	0.279	51065
11	223.8	0.000	0.000	0.019	0.019	369	1085	0.000	0.000	0.111	0.111	10366	2339	0.000	0.000	0.247	0.247	49852
12	261.8	0.000	0.000	0.019	0.019	432	1031	0.000	0.000	0.116	0.116	10297	2906	0.000	0.000	0.242	0.242	60678
13	296.3	0.000	0.000	0.019	0.019	489	1010	0.000	0.000	0.151	0.151	13184	3094	0.000	0.000	0.175	0.175	46754
14	308.2	0.000	0.000	0.019	0.019	509	1090	0.000	0.000	0.152	0.152	14266	5044	0.000	0.000	0.680	0.680	296322
15	284.6	0.000	0.000	0.019	0.019	470	1251	0.000	0.000	0.156	0.156	16803	5844	0.000	0.000	0.445	0.445	224520
16	314.3	0.000	0.000	0.019	0.019	519	1493	0.000	0.000	0.251	0.251	32341	4034	0.000	0.000	0.340	0.340	118529
17	377.3	0.000	0.000	0.019	0.019	623	3165	0.000	0.000	0.346	0.346	94568	3186	0.000	0.000	0.296	0.296	81438
18	480.8	0.000	0.000	0.019	0.019	793	4806	0.000	0.000	0.561	0.561	232806	2897	0.000	0.000	0.230	0.230	57551
19	547.1	0.000	0.000	0.027	0.027	1257	8725	0.000	0.206	0.721	0.928	699193	3977	0.000	0.000	0.291	0.291	100072
20	550.6	0.000	0.000	0.032	0.032	1532	10365	0.047	0.148	1.134	1.328	1189679	6376	0.000	0.000	0.318	0.318	175125
21	510.2	0.000	0.000	0.032	0.032	1419	18518	0.023	0.178	0.953	1.154	1846708	8234	0.000	0.129	0.607	0.736	523483
22	445.1	0.000	0.000	0.032	0.032	1238	14238	0.317	0.413	1.079	1.808	2224484	6879	0.000	0.092	0.484	0.576	342346
23	431.5	0.000	0.000	0.066	0.066	2472	10224	0.000	0.048	0.897	0.945	834666	6034	0.000	0.019	0.257	0.276	144052
24	509.0	0.000	0.000	0.087	0.087	3826	7299	0.000	0.000	0.714	0.714	450409	5905	0.000	0.016	0.371	0.387	197293
25	480.8	0.000	0.000	0.095	0.095	3955	5034	0.000	0.000	0.780	0.780	339251	5169	0.000	0.015	0.400	0.415	185110
26	563.4	0.000	0.000	0.095	0.095	4634	4134	0.000	0.000	0.568	0.568	203040	4792	0.000	0.000	0.411	0.411	170289
27	788.6	0.000	0.000	0.103	0.103	7045	3285	0.000	0.000	0.323	0.323	91615	4049	0.000	0.000	0.323	0.323	112921
28	1194	0.000	0.000	0.126	0.126	13029	2706	0.000	0.000	0.312	0.312	72856	4824	0.000	0.000	0.230	0.230	95856
29	1402	0.000	0.000	0.185	0.185	22401	2132	0.000	0.000	0.270	0.270	49650	6841	0.000	0.030	0.367	0.397	234479
30	1699	0.000	0.000	0.260	0.260	38162	2403	0.000	0.000	0.238	0.238	49337	8678	0.021	0.080	0.468	0.569	426766
31							2391	0.000	0.000	0.206	0.206	42470	10286	0.066	0.171	0.454	0.691	614105
Ten Daily Mean																		
Ten Daily I	216.2	0.000	0.000	0.016	0.016	278	2165	0.000	0.000	0.203	0.203	38822	2132	0.000	0.000	0.235	0.235	43897
Ten Daily II	364.5	0.000	0.000	0.021	0.021	699	3402	0.005	0.035	0.370	0.410	231350	3970	0.000	0.000	0.326	0.326	121084
Ten Daily III	802.4	0.000	0.000	0.108	0.108	9818	6579	0.031	0.058	0.576	0.665	564044	6517	0.008	0.050	0.397	0.455	276973
Monthly																		
Total						107953						8906212						4696510

Annual Sediment Load (Metric Tonnes) : 18492861

Page No 2

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Polavaram (AG000C3)

Local River : Godavari

Division : Lower Godavari Div., Hyderabad

Sub-Division : Lower Godavari 2, Rajahmundry

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	9462	0.007	0.106	0.740	0.853	697365	2432	0.000	0.000	0.207	0.207	43460	914.0	0.000	0.000	0.085	0.085	6689
2	7656	0.020	0.095	0.563	0.678	448499	2251	0.000	0.000	0.193	0.193	37606	762.3	0.000	0.000	0.085	0.085	5579
3	7632	0.018	0.028	0.561	0.607	400499	2301	0.000	0.000	0.197	0.197	39192	676.3	0.000	0.000	0.085	0.085	4949
4	6141	0.000	0.023	0.388	0.411	217859	2428	0.000	0.000	0.207	0.207	43341	626.8	0.000	0.000	0.085	0.085	4587
5	4856	0.000	0.011	0.342	0.353	147880	2414	0.000	0.000	0.206	0.206	42874	594.7	0.000	0.000	0.085	0.085	4352
6	3709	0.000	0.000	0.297	0.297	95173	2555	0.000	0.000	0.216	0.216	47683	594.7	0.000	0.000	0.085	0.085	4352
7	3656	0.000	0.000	0.199	0.199	62766	2587	0.000	0.000	0.218	0.218	48808	579.0	0.000	0.000	0.085	0.085	4237
8	3322	0.000	0.000	0.228	0.228	65332	2983	0.000	0.000	0.247	0.247	63746	525.2	0.000	0.000	0.085	0.085	3843
9	3078	0.000	0.000	0.254	0.254	67576	2847	0.000	0.000	0.237	0.237	58397	540.3	0.000	0.000	0.085	0.085	3954
10	2814	0.000	0.000	0.235	0.235	57128	2580	0.000	0.000	0.218	0.218	48561	510.2	0.000	0.000	0.085	0.085	3734
11	2277	0.000	0.000	0.342	0.342	67288	2825	0.000	0.000	0.236	0.236	57554	473.6	0.000	0.000	0.085	0.085	3466
12	2237	0.000	0.000	0.192	0.192	37165	2739	0.000	0.000	0.230	0.230	54316	473.6	0.000	0.000	0.085	0.085	3466
13	2127	0.000	0.000	0.184	0.184	33811	2614	0.000	0.000	0.220	0.220	49766	417.4	0.000	0.000	0.085	0.085	3055
14	1725	0.000	0.000	0.153	0.153	22850	2723	0.000	0.000	0.228	0.228	53725	410.6	0.000	0.000	0.085	0.085	3005
15	1686	0.000	0.000	0.150	0.150	21874	2844	0.000	0.000	0.237	0.237	58286	424.3	0.000	0.000	0.085	0.085	3105
16	1735	0.000	0.000	0.154	0.154	23103	3291	0.000	0.000	0.112	0.112	31705	431.2	0.000	0.000	0.085	0.085	3155
17	2113	0.000	0.000	0.183	0.183	33412	3161	0.000	0.000	0.114	0.114	31215	383.9	0.000	0.000	0.012	0.012	405
18	2686	0.000	0.000	0.226	0.226	52350	2801	0.000	0.000	0.663	0.663	160450	390.5	0.000	0.000	0.012	0.012	412
19	2968	0.000	0.000	0.246	0.246	63130	2307	0.000	0.000	0.198	0.198	39384	370.8	0.000	0.000	0.012	0.012	391
20	3126	0.000	0.000	0.258	0.258	69573	2055	0.000	0.000	0.058	0.058	10364	397.1	0.000	0.000	0.012	0.012	419
21	3590	0.000	0.000	0.291	0.291	90168	1892	0.000	0.000	0.091	0.091	14859	364.3	0.000	0.000	0.012	0.012	384
22	3190	0.000	0.000	0.262	0.262	72273	1836	0.000	0.000	0.091	0.091	14422	399.2	0.000	0.000	0.012	0.012	421
23	3015	0.000	0.000	0.250	0.250	65015	1664	0.000	0.000	0.101	0.101	14535	351.5	0.000	0.000	0.012	0.012	371
24	3126	0.000	0.000	0.258	0.258	69573	1584	0.000	0.000	0.119	0.119	16259	338.9	0.000	0.000	0.012	0.012	357
25	3321	0.000	0.000	0.272	0.272	77931	1530	0.000	0.000	0.116	0.116	15308	345.2	0.000	0.000	0.012	0.012	364
26	4103	0.000	0.000	0.327	0.327	115793	1661	0.000	0.000	0.097	0.097	13906	308.2	0.000	0.000	0.012	0.012	325
27	4232	0.000	0.000	0.336	0.336	122723	1502	0.000	0.000	0.087	0.087	11277	300.9	0.000	0.000	0.009	0.009	221
28	3887	0.000	0.000	0.312	0.312	104612	1451	0.000	0.000	0.107	0.107	13452	250.7	0.000	0.000	0.009	0.009	184
29	3244	0.000	0.000	0.266	0.266	74553	1191	0.000	0.000	0.111	0.111	11412	284.6	0.000	0.000	0.009	0.009	209
30	2708	0.000	0.000	0.227	0.227	53183	1151	0.000	0.000	0.021	0.021	2039	326.5	0.000	0.000	0.009	0.009	240
31							973.0	0.000	0.000	0.085	0.085	7120						
Ten Daily Mean																		
Ten Daily I	5233	0.004	0.026	0.381	0.411	226008	2538	0.000	0.000	0.215	0.215	47367	632.4	0.000	0.000	0.085	0.085	4628
Ten Daily II	2268	0.000	0.000	0.209	0.209	42455	2736	0.000	0.000	0.230	0.230	54677	417.3	0.000	0.000	0.056	0.056	2088
Ten Daily III	3442	0.000	0.000	0.280	0.280	84582	1494	0.000	0.000	0.093	0.093	12235	327.0	0.000	0.000	0.011	0.011	308
Monthly																		
Total						3530455						1155025						70229

Annual Sediment Load (Metric Tonnes) : 18492861

Page No 3

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Polavaram (AG000C3)

Local River : Godavari

Division : Lower Godavari Div., Hyderabad

Sub-Division : Lower Godavari 2, Rajahmundry

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	368.5	0.000	0.000	0.011	0.011	341	257.9	0.000	0.000	0.008	0.008	167	186.7	0.000	0.000	0.006	0.006	98
2	358.5	0.000	0.000	0.011	0.011	331	253.5	0.000	0.000	0.008	0.008	164	179.6	0.000	0.000	0.006	0.006	95
3	345.5	0.000	0.000	0.011	0.011	319	252.5	0.000	0.000	0.008	0.008	164	182.4	0.000	0.000	0.006	0.006	96
4	343.6	0.000	0.000	0.010	0.010	291	250.5	0.000	0.000	0.008	0.008	162	210.5	0.000	0.000	0.006	0.006	111
5	340.5	0.000	0.000	0.010	0.010	288	245.5	0.000	0.000	0.008	0.008	159	214.5	0.000	0.000	0.006	0.006	107
6	338.5	0.000	0.000	0.010	0.010	287	230.5	0.000	0.000	0.008	0.008	149	208.4	0.000	0.000	0.006	0.006	104
7	335.5	0.000	0.000	0.010	0.010	284	228.5	0.000	0.000	0.008	0.008	148	204.6	0.000	0.000	0.006	0.006	103
8	325.0	0.000	0.000	0.010	0.010	275	191.2	0.000	0.000	0.006	0.006	106	259.3	0.000	0.000	0.006	0.006	130
9	305.0	0.000	0.000	0.010	0.010	258	191.0	0.000	0.000	0.006	0.006	106	225.1	0.000	0.000	0.006	0.006	113
10	299.0	0.000	0.000	0.010	0.010	253	191.0	0.000	0.000	0.006	0.006	106	225.1	0.000	0.000	0.006	0.006	113
11	284.0	0.000	0.000	0.007	0.007	177	185.5	0.000	0.000	0.006	0.006	103	230.5	0.000	0.000	0.006	0.006	116
12	278.0	0.000	0.000	0.007	0.007	173	191.0	0.000	0.000	0.006	0.006	106	216.6	0.000	0.000	0.005	0.005	94
13	267.0	0.000	0.000	0.007	0.007	166	190.5	0.000	0.000	0.006	0.006	105	214.8	0.000	0.000	0.005	0.005	93
14	262.0	0.000	0.000	0.007	0.007	163	240.5	0.000	0.000	0.006	0.006	133	220.4	0.000	0.000	0.005	0.005	95
15	257.0	0.000	0.000	0.007	0.007	160	254.0	0.000	0.000	0.006	0.006	140	209.6	0.000	0.000	0.005	0.005	91
16	252.0	0.000	0.000	0.007	0.007	157	254.0	0.000	0.000	0.008	0.008	173	221.8	0.000	0.000	0.005	0.005	96
17	250.0	0.000	0.000	0.007	0.007	156	255.0	0.000	0.000	0.008	0.008	174	224.0	0.000	0.000	0.005	0.005	97
18	266.4	0.000	0.000	0.007	0.007	170	255.0	0.000	0.000	0.008	0.008	174	209.6	0.000	0.000	0.005	0.005	91
19	267.5	0.000	0.000	0.007	0.007	171	250.0	0.000	0.000	0.008	0.008	171	196.7	0.000	0.000	0.005	0.005	82
20	262.0	0.000	0.000	0.007	0.007	168	255.0	0.000	0.000	0.008	0.008	174	215.4	0.000	0.000	0.005	0.005	89
21	265.0	0.000	0.000	0.007	0.007	169	255.1	0.000	0.000	0.008	0.008	174	224.8	0.000	0.000	0.005	0.005	93
22	257.0	0.000	0.000	0.007	0.007	164	255.0	0.000	0.000	0.008	0.008	172	214.8	0.000	0.000	0.005	0.005	89
23	250.0	0.000	0.000	0.007	0.007	160	244.1	0.000	0.000	0.008	0.008	165	221.9	0.000	0.000	0.005	0.005	92
24	250.0	0.000	0.000	0.007	0.007	160	244.1	0.000	0.000	0.008	0.008	164	260.2	0.000	0.000	0.005	0.005	108
25	252.0	0.000	0.000	0.007	0.007	161	250.3	0.000	0.000	0.008	0.008	169	265.5	0.000	0.000	0.005	0.005	110
26	255.1	0.000	0.000	0.008	0.008	172	235.5	0.000	0.000	0.008	0.008	159	271.1	0.000	0.000	0.004	0.004	103
27	255.0	0.000	0.000	0.008	0.008	172	227.0	0.000	0.000	0.008	0.008	153	264.6	0.000	0.000	0.004	0.004	101
28	252.0	0.000	0.000	0.008	0.008	170	198.8	0.000	0.000	0.008	0.008	134	251.6	0.000	0.000	0.004	0.004	96
29	254.0	0.000	0.000	0.008	0.008	171	196.2	0.000	0.000	0.006	0.006	103						
30	255.0	0.000	0.000	0.008	0.008	172	181.9	0.000	0.000	0.006	0.006	96						
31	254.0	0.000	0.000	0.008	0.008	171	173.6	0.000	0.000	0.006	0.006	91						
Ten Daily Mean																		
Ten Daily I	336.0	0.000	0.000	0.010	0.010	293	229.2	0.000	0.000	0.007	0.007	143	209.6	0.000	0.000	0.006	0.006	107
Ten Daily II	264.6	0.000	0.000	0.007	0.007	166	233.0	0.000	0.000	0.007	0.007	145	215.9	0.000	0.000	0.005	0.005	94
Ten Daily III	254.5	0.000	0.000	0.008	0.008	167	223.8	0.000	0.000	0.007	0.007	144	246.8	0.000	0.000	0.005	0.005	99
Monthly																		
Total						6430						4464						2803

Annual Sediment Load (Metric Tonnes) : 18492861

Page No 4

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Polavaram (AG000C3)

Local River : Godavari

Division : Lower Godavari Div., Hyderabad

Sub-Division : Lower Godavari 2, Rajahmundry

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	275.8	0.000	0.000	0.004	0.004	105	215.5	0.000	0.000	0.005	0.005	99	149.7	0.000	0.000	0.010	0.010	124
2	272.5	0.000	0.000	0.004	0.004	104	211.1	0.000	0.000	0.005	0.005	97	143.8	0.000	0.000	0.010	0.010	119
3	270.1	0.000	0.000	0.004	0.004	103	205.1	0.000	0.000	0.005	0.005	94	137.8	0.000	0.000	0.010	0.010	114
4	265.0	0.000	0.000	0.004	0.004	101	151.1	0.000	0.000	0.005	0.005	69	125.9	0.000	0.000	0.010	0.010	104
5	265.2	0.000	0.000	0.005	0.005	112	149.9	0.000	0.000	0.005	0.005	69	96.65	0.000	0.000	0.010	0.010	80
6	244.7	0.000	0.000	0.005	0.005	104	141.1	0.000	0.000	0.005	0.005	65	112.5	0.000	0.000	0.010	0.010	93
7	246.4	0.000	0.000	0.005	0.005	104	168.0	0.000	0.000	0.005	0.005	77	124.5	0.000	0.000	0.012	0.012	126
8	244.9	0.000	0.000	0.005	0.005	104	168.1	0.000	0.000	0.005	0.005	77	162.7	0.000	0.000	0.012	0.012	164
9	245.2	0.000	0.000	0.005	0.005	104	170.7	0.000	0.000	0.005	0.005	75	163.3	0.000	0.000	0.012	0.012	165
10	243.5	0.000	0.000	0.005	0.005	103	159.0	0.000	0.000	0.005	0.005	70	172.5	0.000	0.000	0.012	0.012	174
11	242.7	0.000	0.000	0.005	0.005	103	159.1	0.000	0.000	0.005	0.005	70	167.3	0.000	0.000	0.012	0.012	169
12	242.8	0.000	0.000	0.005	0.005	107	157.5	0.000	0.000	0.005	0.005	69	162.5	0.000	0.000	0.012	0.012	164
13	238.2	0.000	0.000	0.005	0.005	105	162.2	0.000	0.000	0.005	0.005	71	175.5	0.000	0.000	0.012	0.012	177
14	233.8	0.000	0.000	0.005	0.005	103	160.5	0.000	0.000	0.005	0.005	71	171.9	0.000	0.000	0.020	0.020	294
15	221.2	0.000	0.000	0.005	0.005	97	147.5	0.000	0.000	0.005	0.005	65	189.9	0.000	0.000	0.020	0.020	325
16	218.8	0.000	0.000	0.005	0.005	96	158.4	0.000	0.000	0.006	0.006	77	189.2	0.000	0.000	0.020	0.020	324
17	200.3	0.000	0.000	0.005	0.005	88	156.5	0.000	0.000	0.006	0.006	76	169.2	0.000	0.000	0.020	0.020	289
18	200.5	0.000	0.000	0.005	0.005	88	73.57	0.000	0.000	0.006	0.006	36	169.0	0.000	0.000	0.020	0.020	289
19	218.5	0.000	0.000	0.006	0.006	117	43.56	0.000	0.000	0.006	0.006	21	166.9	0.000	0.000	0.020	0.020	286
20	207.5	0.000	0.000	0.006	0.006	111	62.90	0.000	0.000	0.006	0.006	30	167.5	0.000	0.000	0.020	0.020	287
21	215.8	0.000	0.000	0.006	0.006	116	133.0	0.000	0.000	0.006	0.006	64	167.9	0.000	0.000	0.018	0.018	264
22	224.9	0.000	0.000	0.006	0.006	120	156.4	0.000	0.000	0.006	0.006	76	167.9	0.000	0.000	0.018	0.018	264
23	211.2	0.000	0.000	0.006	0.006	113	95.74	0.000	0.000	0.009	0.009	74	167.9	0.000	0.000	0.018	0.018	264
24	229.9	0.000	0.000	0.006	0.006	123	110.1	0.000	0.000	0.009	0.009	86	168.0	0.000	0.000	0.018	0.018	264
25	224.9	0.000	0.000	0.006	0.006	120	144.5	0.000	0.000	0.009	0.009	112	169.3	0.000	0.000	0.018	0.018	266
26	219.0	0.000	0.000	0.006	0.006	115	140.2	0.000	0.000	0.009	0.009	109	172.5	0.000	0.000	0.018	0.018	271
27	209.4	0.000	0.000	0.006	0.006	110	143.7	0.000	0.000	0.009	0.009	112	170.5	0.000	0.000	0.018	0.018	268
28	201.2	0.000	0.000	0.006	0.006	106	144.4	0.000	0.000	0.009	0.009	112	176.5	0.000	0.000	0.020	0.020	311
29	201.2	0.000	0.000	0.006	0.006	106	146.5	0.000	0.000	0.009	0.009	114	185.5	0.000	0.000	0.020	0.020	327
30	215.5	0.000	0.000	0.006	0.006	114	147.5	0.000	0.000	0.009	0.009	115	199.5	0.000	0.000	0.020	0.020	352
31	220.0	0.000	0.000	0.006	0.006	116							220.5	0.000	0.000	0.020	0.020	389
<u>Ten Daily Mean</u>																		
Ten Daily I	257.3	0.000	0.000	0.005	0.005	104	174.0	0.000	0.000	0.005	0.005	79	138.9	0.000	0.000	0.010	0.010	127
Ten Daily II	222.4	0.000	0.000	0.005	0.005	102	128.2	0.000	0.000	0.005	0.005	59	172.9	0.000	0.000	0.017	0.017	260
Ten Daily III	215.7	0.000	0.000	0.006	0.006	115	136.2	0.000	0.000	0.008	0.008	97	178.7	0.000	0.000	0.019	0.019	295
<u>Monthly</u>																		
Total						3319						2351						7110

Annual Sediment Load (Metric Tonnes) : 18492861

Annual Sediment Load for period : 1969-2018**Station Name : Polavaram (AG000C3)****Division : Lower Godavari Div., Hyderabad****Local River : Godavari****Sub-Division : Lower Godavari 2, Rajahmundry**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1969-1970	212168723	56016	212224739	95185
1970-1971	204202859	95599	204298459	105992
1971-1972	67719201	28597	67747798	56607
1972-1973	94944033	23123	94967156	48605
1973-1974	247882176	42529	247924706	110209
1974-1975	44657321	37412	44694733	41765
1975-1976	219360952	68246	219429198	130833
1976-1977	210805134	69548	210874682	106638
1977-1978	128044549	418405	128462954	87068
1978-1979	192361024	91625	192452648	120093
1979-1980	91871159	34976	91906135	66412
1980-1981	108096742	75927	108172670	102646
1981-1982	158757899	103408	158861307	104339
1982-1983	40907557	86713	40994270	56793
1983-1984	149570249	279909	149850159	150507
1984-1985	44462430	109690	44572120	55077
1985-1986	40271469	70346	40341815	56486
1986-1987	347620427	73278	347693705	92594
1987-1988	22215466	81844	22297310	35224
1988-1989	165518808	0	165518808	135470
1989-1990	75982348	0	75982348	95108
1990-1991	332374619	357443	332732062	183841
1991-1992	52394827	139891	52534718	71766
1992-1993	90727056	136176	90863232	85937
1993-1994	29683074	78708	29761782	58397
1994-1995	205181628	304831	205486459	148103
1995-1996	78692853	139489	78832342	85963
1996-1997	31716343	161532	31877875	58835
1997-1998	23769507	501795	24271302	47291
1998-1999	51276843	146672	51423515	74355
1999-2000	80890981	103823	80994804	95906
2000-2001	108684203	62466	108746668	75697
2001-2002	55986315	20477	56006792	80874
2002-2003	34779575	10713	34790288	51472
2003-2004	43213935	138567	43352501	89001
2004-2005	25183413	118102	25301515	50584
2005-2006	69708063	217745	69925808	106603
2006-2007	62372539	159561	62532099	131860
2007-2008	44728131	180269	44908400	93844
2008-2009	24419738	28468	24448206	58479
2009-2010	12067091	27147	12094238	29023
2010-2011	76466963	135050	76602014	117171
2011-2012	18025040	109646	18134686	55818
2012-2013	37552481	95954	37648435	91698
2013-2014	86218707	55439	86274145	149873
2014-2015	32117700	23239	32140940	58338

Annual Sediment Load for period : 1969-2018

Station Name : Polavaram (AG000C3)

Division : Lower Godavari Div., Hyderabad

Local River : Godavari

Sub-Division : Lower Godavari 2, Rajahmundry

2015-2016	28123098	32871	28155970	52791
2016-2017	47261111	71802	47332912	86219
2017-2018	18466383	26478	18492861	43691

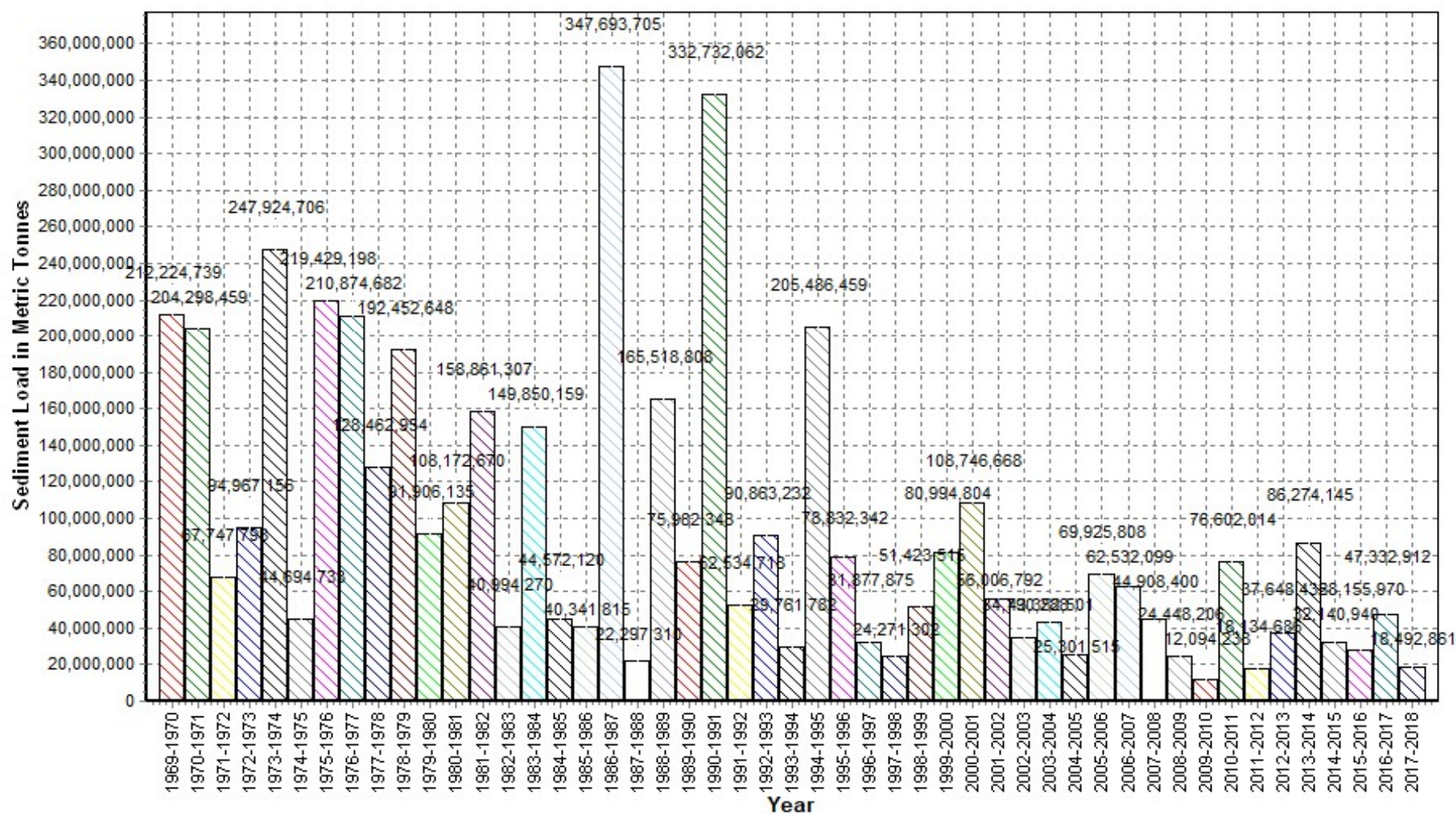
Annual Sediment Load for the period: 1969-2018

Station Name : Polavaram (AG000C3)

Local River : Godavari

Division : Lower Godavari Div., Hyderabad

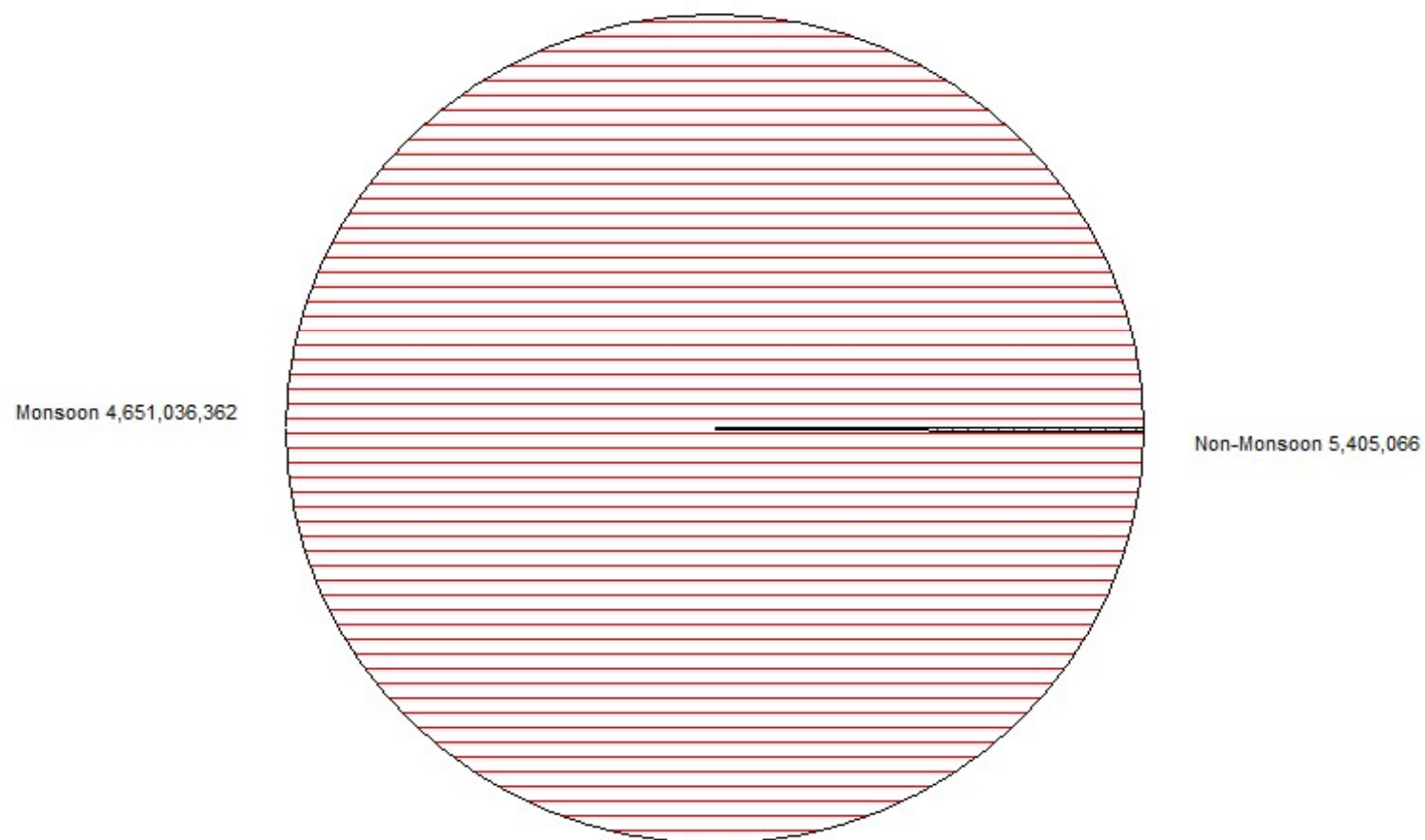
Sub-Division : Lower Godavari 2, Rajahmundry



Station Name : Polavaram (AG000C3)
Local River : Godavari

Seasonal Sediment Load for the period : 1969-2017

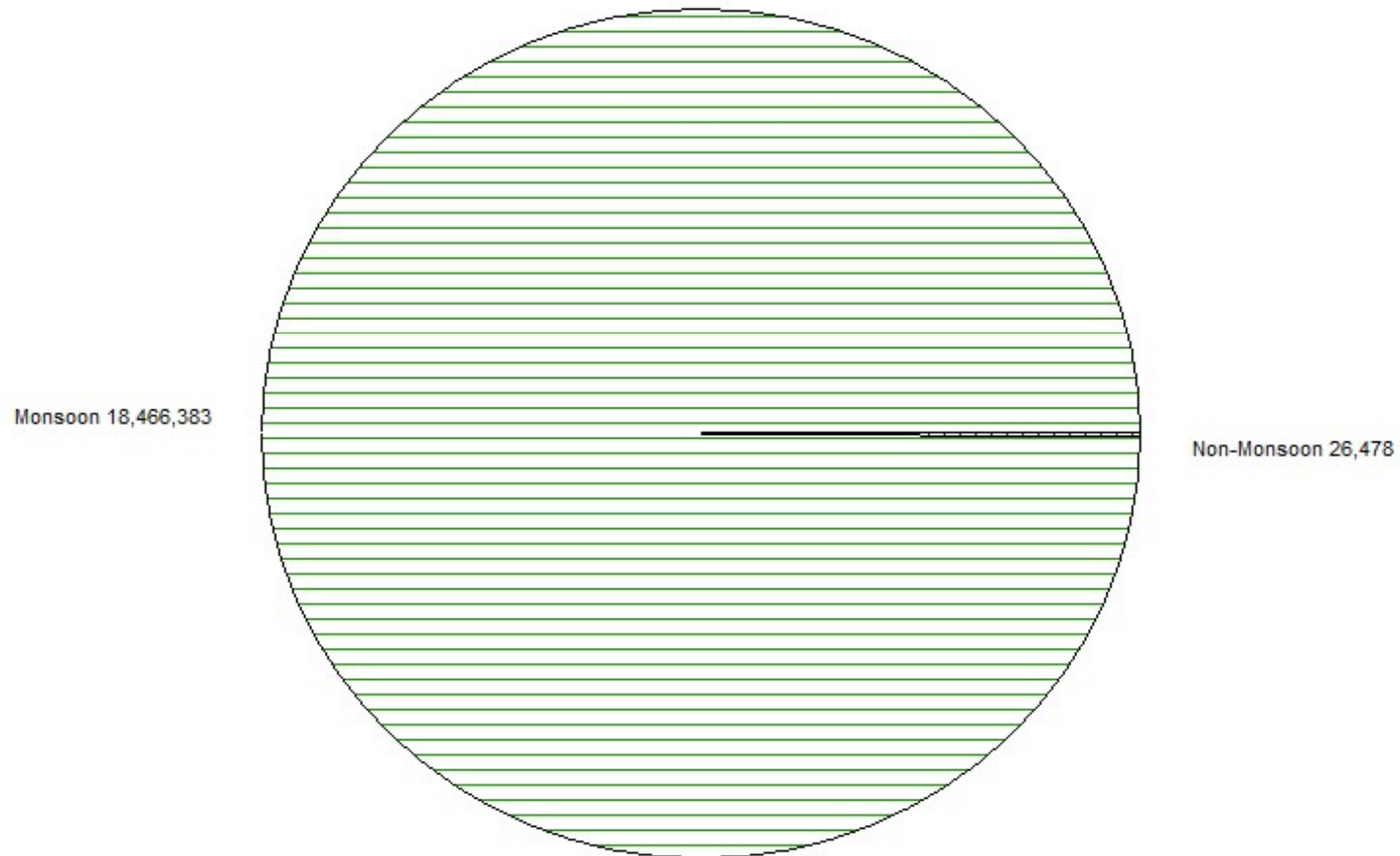
Division : Lower Godavari Div., Hyderabad
Sub-Division : Lower Godavari 2, Rajahmundry



Seasonal Sediment Load for the Year: 2017-2018

Station Name : Polavaram (AG000C3)
Local River : Godavari

Division : Lower Godavari Div., Hyderabad
Sub-Division : Lower Godavari 2, Rajahmundry



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : GODAVARI AT POLAVARAM CODE : AG000C3
 MEASURING : LGDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 17-05-17)

Discharge Observed :	177.1	cumec	Water edge RB :	223.50	m	LB :	71.80	m
Area of section :	1666.27	sq.m	MeanVelocity :				0.1063	m/sec
Wetted perimeter :	738.44	m	Hydraulic Mean Depth :				2.2565	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	200		13.127		0.97		Av.mean dia "m" = 1.09	
2	400		16.112		1.06			
3	600		14.667		1.14		Silt factor "f" = 1.76 $\sqrt{m}$ = 1.84	
4	800		10.517		1.18			
5	1000		9.917		1.30			
6	1200		13.017		1.25			
7	1400		23.035		0.72			

Note :
 i. Discharge observation was at station gauge line.
 ii. River bed : Flowing water.
 iii. Water flows in multi channels

Monsoon Survey (Date)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :				---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :				---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	

Survey not conducted

Note :

Postmonsoon Survey (Date 26-12-17)

Discharge Observed :	255	cumec	Water edge RB :	210.00	m	LB :	71.00	m
Area of section :	1849.40	sq.m	MeanVelocity :				0.1379	m/sec
Wetted perimeter :	722.28	m	Hydraulic Mean Depth :				2.5605	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	200		12.627		0.90		Av.mean dia "m" = 0.93	
2	400		15.617		0.98			
3	600		14.817		0.95		Silt factor "f" = 1.76 $\sqrt{m}$ = 1.70	
4	800		10.527		1.00			
5	1000		9.427		0.96			
6	1200		13.027		1.09			
7	1400		23.205		0.63			

Note :
 i. Discharge observation was at station gauge line.
 ii. River bed : Flowing water.
 iii. Water flows in multi channels

HISTORY SHEET

		Water Year	: 2017-2018
Site	: Konta	Code	: AGC00C5
State	: Chhattisgarh	District	Dantewara
Basin	: Godavari	Independent River	: Godavari
Tributary	: Sabari	Sub Tributary	: -
Sub-Sub Tribut	: -	Local River	: Sabari
Division	: Lower Godavari Div., Hyderabad	Sub-Division	: Lower Godavari 1, Bhadrachalam
Drainage Area	: 19550 Sq. Km.	Bank	: Left
Latitude	: 17°48'00"	Longitude	: 81°23'00"
Zero of Gauge	: 30.100 (m.s.l)	05/02/1964	- 31/05/1976
	: 30.430 (m.s.l)	01/06/1976	- 31/05/1997
	: 29.000 (m.s.l)	01/06/1997	
Opening Date		Closing Date	
Gauge	: 05/02/1964		
Discharge	: 28/10/1965		
Sediment	: 01/01/1968		
Water Quality	: 05/05/1968		

Annual Sediment Load for period : 1969-2016

Station Name : Konta (AGC00C5)

Division : Lower Godavari Div., Hyderabad

Local River : Sabari

Sub-Division : Lower Godavari 1, Bhadrachalam

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1969-1970	8397422	116681	8514103	17990
1970-1971	3218445	83903	3302349	14657
1971-1972	2683147	17950	2701097	9907
1972-1973	4686814	21570	4708385	10495
1973-1974	5933114	14719	5947833	12317
1974-1975	1747129	20166	1767294	6265
1975-1976	9210434	24245	9234679	17120
1976-1977	10163685	70425	10234110	14624
1977-1978	7241791	43527	7285318	14096
1978-1979	8559285	37922	8597207	19243
1979-1980	6082935	45636	6128571	10407
1980-1981	10326010	116100	10442110	18144
1981-1982	5277130	35916	5313046	12228
1982-1983	8002887	46322	8049209	13440
1983-1984	9795419	211998	10007417	17955
1984-1985	8857238	66289	8923527	14980
1985-1986	9080411	80312	9160723	12542
1986-1987	19659208	90298	19749505	20701
1987-1988	4692201	0	4692201	7489
1988-1989	6193405	0	6193405	12803
1989-1990	6546883	0	6546883	14235
1990-1991	10489283	298798	10788080	24320
1991-1992	4330849	32488	4363337	15343
1992-1993	9013321	217280	9230601	14372
1993-1994	3135484	103811	3239295	10207
1994-1995	9278682	397933	9676615	22309
1995-1996	5364686	204004	5568690	17385
1996-1997	3445892	38320	3484212	14273
1997-1998	2487417	97652	2585069	10903
1998-1999	3478388	200109	3678497	13307
1999-2000	7884679	119851	8004530	16645
2000-2001	5816637	66571	5883208	14981
2001-2002	4138224	76861	4215085	13083
2002-2003	1941819	19677	1961496	6773
2003-2004	9192266	127998	9320264	18039
2004-2005	5464310	84461	5548770	14475
2005-2006	2594953	92916	2687869	13741
2006-2007	40954144	136533	41090677	23103
2007-2008	10306315	212889	10519204	19526
2008-2009	4501029	119205	4620234	13034
2009-2010	2031422	26901	2058322	7572
2010-2011	24421115	423010	24844126	19468
2011-2012	2149161	173755	2322916	9716
2012-2013	4134753	125997	4260750	17680
2013-2014	7705359	416723	8122082	21557
2014-2015	7182653	414063	7596716	19520
2015-2016	0	0	0	16688
2016-2017	0	0	0	14319
2017-2018	0	0	0	15431

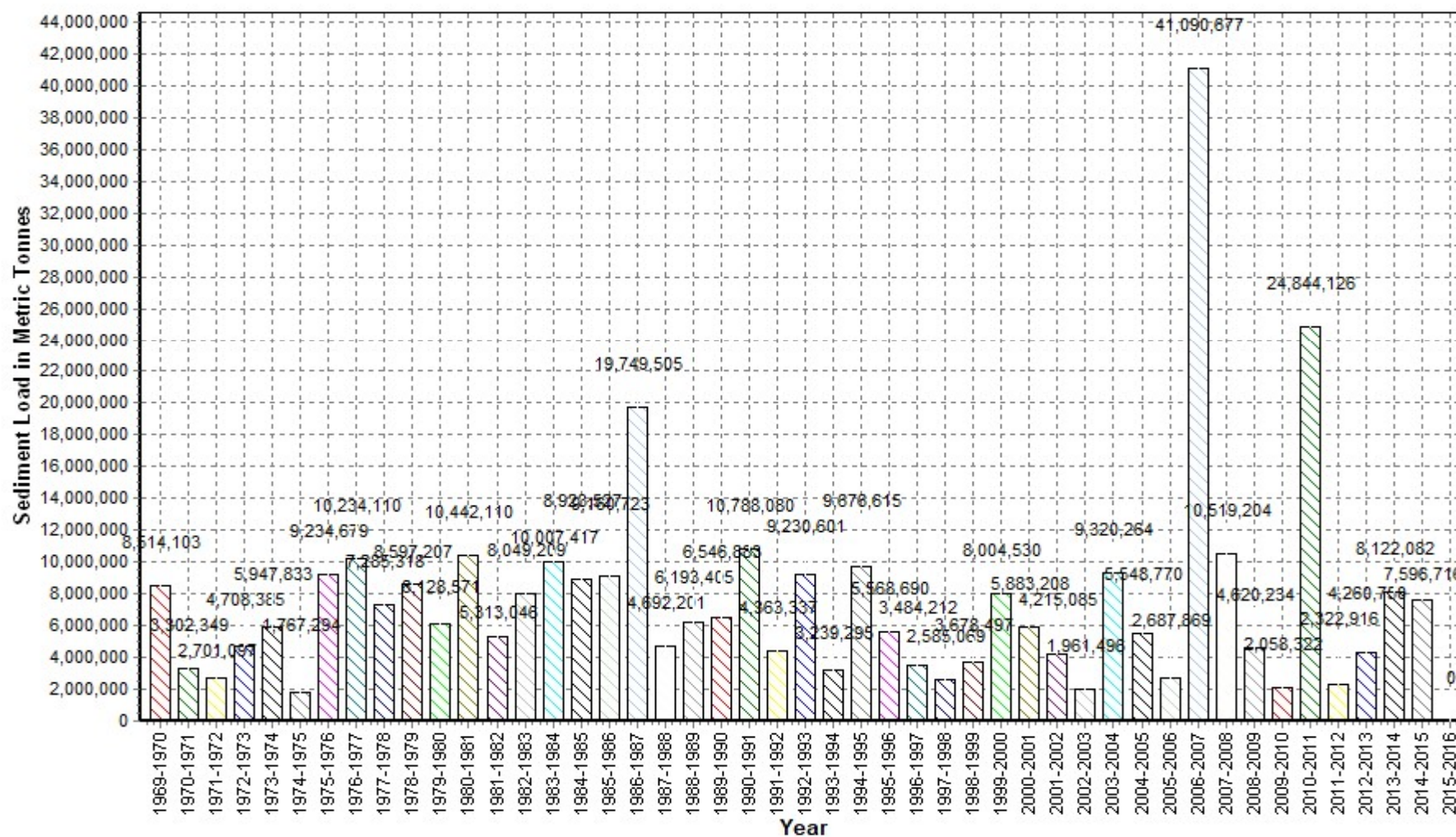
Annual Sediment Load for the period: 1969-2016

Station Name : Konta (AGC00C5)

Local River : Sabari

Division : Lower Godavari Div., Hyderabad

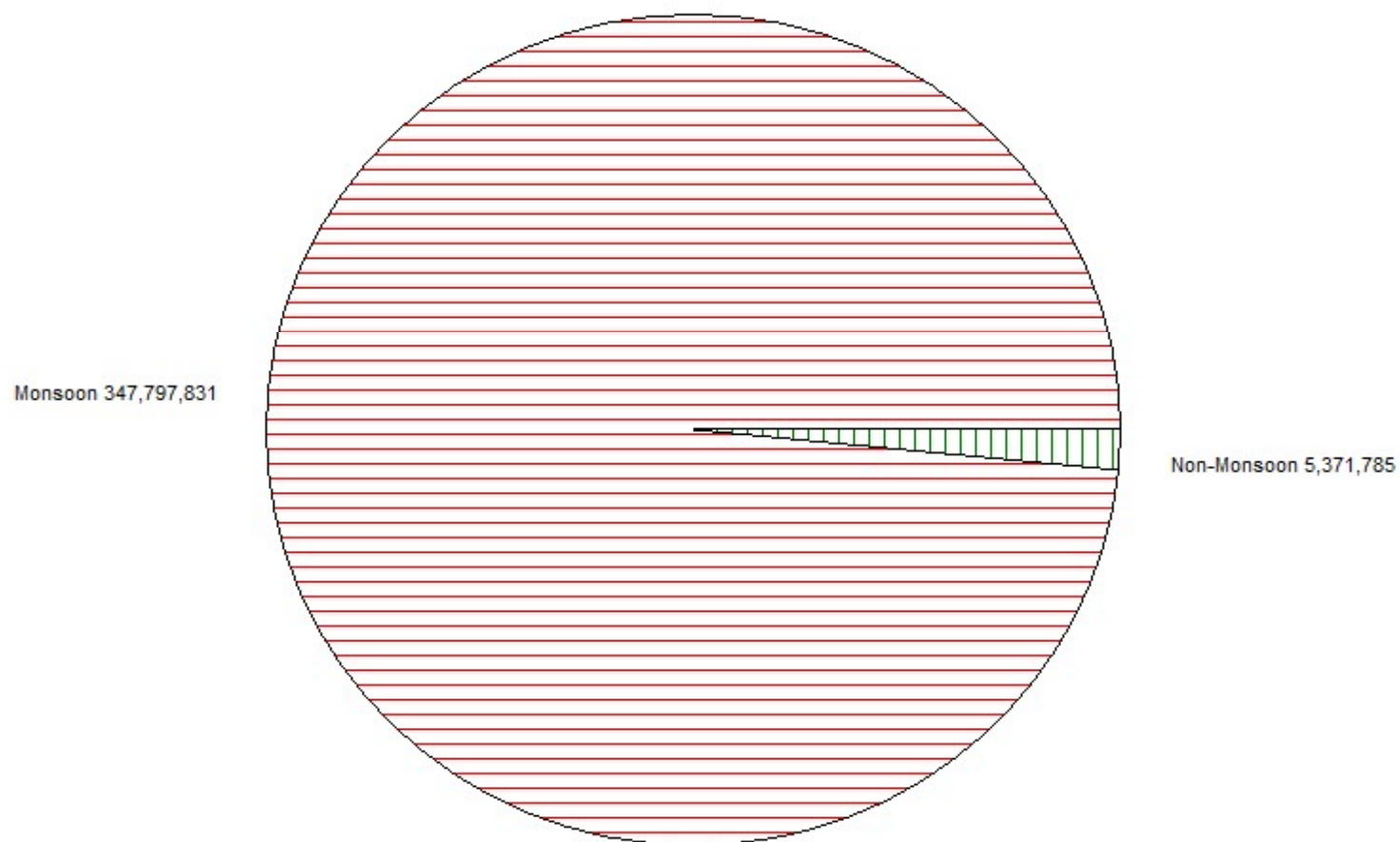
Sub-Division : Lower Godavari 1, Bhadrachalam



Station Name : Konta (AGC00C5)
Local River : Sabari

Seasonal Sediment Load for the period : 1969-2017

Division : Lower Godavari Div., Hyderabad
Sub-Division : Lower Godavari 1, Bhadrachalam



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : SABARI AT KONTA CODE : AGC00C5
 MEASURING : LGDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 05-06-17)

Discharge Observed :	217.874	cumec	Water edge RB :	343.00	m	LB :	69.60	m
Area of section :	340.16	sq.m	MeanVelocity :				0.6405	m/sec
Wetted perimeter :	273.71	m	Hydraulic Mean Depth :				1.2428	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	60		38.420		0.66			
2	110		29.820		1.94		Av.mean dia "m" =	1.37
3	170		31.070		1.89			
4	230		31.620		1.97		Silt factor	
5	290		30.920		1.81		"f" = 1.76 $\sqrt{m}$	
6	350		33.140		0.66		=	2.06
7	400		44.670		0.68			

Note :
 i. Discharge observation was at station gauge line.
 ii. River bed : Flowing water.

Monsoon Survey (Date)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :				---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :				---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	

Survey not conducted

Note :

Postmonsoon Survey (Date 11-12-17)

Discharge Observed :	131.4	cumec	Water edge RB :	340.00	m	LB :	70.00	m
Area of section :	223.75	sq.m	MeanVelocity :				0.5873	m/sec
Wetted perimeter :	210.24	m	Hydraulic Mean Depth :				1.0642	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	60		38.445		0.58			
2	110		30.060		1.06		Av.mean dia "m" =	0.84
3	170		30.860		1.06			
4	230		32.020		0.99		Silt factor	
5	290		31.060		1.12		"f" = 1.76 $\sqrt{m}$	
6	350		33.060		0.57		=	1.62
7	400		44.670		0.54			

Note :
 i. Discharge observation was at station gauge line.
 ii. River bed : Flowing water.
 iii. Water flows in multi channels

HISTORY SHEET

		Water Year	: 2017-2018
Site	: Perur	Code	: AG000G7
State	: Andhra Pradesh	District	Khammam
Basin	: Godavari	Independent River	: Godavari
Tributary	: -	Sub Tributary	: -
Sub-Sub Tributary	: -	Local River	: Godavari
Division	: Lower Godavari Div., Hyderabad	Sub-Division	: Lower Godavari 1, Bhadrachalam
Drainage Area	: 268200 Sq. Km.	Bank	: Left
Latitude	: 18°33'00"	Longitude	: 80°22'00"
Zero of Gauge (m)	: 83.000 (m.s.l)	11/03/1964	- 16/09/1965
	: 68.475 (m.s.l)	17/09/1965	- 10/07/1976
	: 68.150 (m.s.l)	11/07/1976	
Opening Date		Closing Date	
Gauge	: 11/03/1964		
Discharge	: 17/09/1965		
Sediment	: 24/02/1968		
Water Quality	: 24/10/1968		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Perur (AG000G7)

Local River : Godavari

Division : Lower Godavari Div., Hyderabad

Sub-Division : Lower Godavari 1, Bhadrachalam

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	13.31	0.000	0.000	0.085	0.085	98	901.5	0.000	0.000	0.190	0.190	14814	1408	0.000	0.000	0.162	0.162	19749
2	16.47	0.000	0.000	0.078	0.078	110	1180	0.000	0.000	0.210	0.210	21415	1253	0.000	0.000	0.169	0.169	18238
3	15.93	0.000	0.000	0.087	0.087	119	1255	0.000	0.000	0.215	0.215	23319	1046	0.000	0.000	0.131	0.131	11859
4	16.91	0.000	0.000	0.087	0.087	126	1160	0.000	0.000	0.210	0.210	21049	1058	0.000	0.000	0.142	0.142	12984
5	15.07	0.000	0.000	0.088	0.088	115	1167	0.000	0.000	0.210	0.210	21171	980.9	0.000	0.000	0.094	0.094	7984
6	14.63	0.000	0.000	0.084	0.084	106	1058	0.000	0.000	0.210	0.210	19220	922.7	0.000	0.000	0.123	0.123	9782
7	14.76	0.000	0.000	0.085	0.085	108	805.1	0.000	0.000	0.168	0.168	11693	824.7	0.000	0.000	0.118	0.118	8394
8	15.60	0.000	0.000	0.086	0.086	116	723.5	0.000	0.000	0.162	0.162	10101	927.6	0.000	0.000	0.141	0.141	11324
9	20.99	0.000	0.000	0.070	0.070	128	594.4	0.000	0.000	0.162	0.162	8324	1294	0.000	0.000	0.169	0.169	18841
10	71.68	0.000	0.000	0.088	0.088	545	508.1	0.000	0.000	0.164	0.164	7204	2204	0.000	0.000	0.329	0.329	62582
11	106.4	0.000	0.000	0.085	0.085	781	442.8	0.000	0.000	0.114	0.114	4346	2234	0.000	0.000	0.231	0.231	44510
12	89.48	0.000	0.000	0.088	0.088	681	483.6	0.000	0.000	0.114	0.114	4764	5020	0.000	0.000	0.183	0.183	79237
13	95.76	0.000	0.000	0.087	0.087	722	571.0	0.000	0.000	0.145	0.145	7159	4124	0.000	0.000	0.175	0.175	62181
14	98.94	0.000	0.000	0.083	0.083	709	521.1	0.000	0.000	0.124	0.124	5574	2657	0.000	0.000	0.375	0.375	86121
15	175.2	0.000	0.000	0.088	0.088	1329	458.0	0.000	0.000	0.105	0.105	4155	2195	0.000	0.000	0.153	0.153	28997
16	94.47	0.000	0.000	0.085	0.085	693	1789	0.000	0.000	0.159	0.159	24643	2139	0.000	0.000	0.129	0.129	23803
17	96.74	0.000	0.000	0.086	0.086	715	2187	0.000	0.000	0.250	0.250	47265	1862	0.000	0.000	0.157	0.157	25272
18	225.1	0.000	0.000	0.083	0.083	1618	1702	0.000	0.000	0.219	0.219	32227	1719	0.000	0.000	0.140	0.140	20779
19	286.5	0.000	0.000	0.081	0.081	2000	6545	0.000	0.000	0.195	0.195	109994	4216	0.000	0.000	0.175	0.175	63898
20	257.9	0.000	0.000	0.065	0.065	1455	19085	0.000	0.000	0.250	0.250	412573	5314	0.000	0.000	0.185	0.185	85026
21	253.4	0.000	0.000	0.062	0.062	1353	15408	0.000	0.000	0.238	0.238	316703	5306	0.000	0.000	0.357	0.357	163671
22	220.2	0.000	0.000	0.061	0.061	1168	9776	0.000	0.000	0.589	0.589	497491	4938	0.000	0.000	0.182	0.182	77641
23	278.1	0.000	0.000	0.024	0.024	577	6425	0.000	0.000	0.194	0.194	107522	4736	0.000	0.000	0.180	0.180	73732
24	308.5	0.000	0.000	0.032	0.032	861	3937	0.000	0.000	0.365	0.365	124076	2964	0.000	0.000	0.196	0.196	50189
25	284.8	0.000	0.000	0.033	0.033	805	3136	0.000	0.000	0.199	0.199	53997	2917	0.000	0.000	0.161	0.161	40526
26	239.5	0.000	0.000	0.033	0.033	677	2508	0.000	0.000	0.163	0.163	35302	3098	0.000	0.000	0.273	0.273	73190
27	318.7	0.000	0.000	0.033	0.033	912	1787	0.000	0.000	0.152	0.152	23473	2714	0.000	0.000	0.158	0.158	37074
28	1076	0.000	0.000	0.115	0.115	10693	1812	0.000	0.000	0.179	0.179	27971	3004	0.000	0.000	0.164	0.164	42543
29	1202	0.000	0.000	0.120	0.120	12484	1949	0.000	0.000	0.144	0.144	24280	5207	0.000	0.000	0.338	0.338	151963
30	1068	0.000	0.000	0.118	0.118	10918	1581	0.000	0.000	0.160	0.160	21795	9898	0.000	0.000	0.214	0.214	183347
31							1587	0.000	0.000	0.123	0.123	16835	8158	0.000	0.000	0.162	0.162	114110
Ten Daily Mean																		
Ten Daily I	21.54	0.000	0.000	0.084	0.084	157	935.3	0.000	0.000	0.190	0.190	15831	1192	0.000	0.000	0.158	0.158	18174
Ten Daily II	152.7	0.000	0.000	0.083	0.083	1071	3379	0.000	0.000	0.167	0.167	65270	3148	0.000	0.000	0.190	0.190	51982
Ten Daily III	525.0	0.000	0.000	0.063	0.063	4045	4537	0.000	0.000	0.228	0.228	113586	4813	0.000	0.000	0.217	0.217	91635
Monthly																		
Total						52724						2060454						1709548

Annual Sediment Load (Metric Tonnes) : 5385712

Page No 18

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Perur (AG000G7)

Local River : Godavari

Division : Lower Godavari Div., Hyderabad

Sub-Division : Lower Godavari 1, Bhadrachalam

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	7350	0.000	0.000	0.200	0.200	126947	1719	0.000	0.000	0.142	0.142	21086	475.9	0.000	0.000	0.051	0.051	2085
2	6991	0.000	0.000	0.198	0.198	119327	1581	0.000	0.000	0.139	0.139	19009	450.0	0.000	0.000	0.051	0.051	1971
3	5020	0.000	0.000	0.183	0.183	79251	1594	0.000	0.000	0.095	0.095	13068	388.4	0.000	0.000	0.051	0.051	1701
4	3448	0.000	0.000	0.167	0.167	49827	1429	0.000	0.000	0.127	0.127	15724	366.7	0.000	0.000	0.051	0.051	1606
5	2728	0.000	0.000	0.158	0.158	37318	1317	0.000	0.000	0.116	0.116	13138	353.9	0.000	0.000	0.051	0.051	1550
6	2234	0.000	0.000	0.141	0.141	27177	1553	0.000	0.000	0.126	0.126	16920	351.3	0.000	0.000	0.024	0.024	716
7	1828	0.000	0.000	0.288	0.288	45461	1518	0.000	0.000	0.147	0.147	19270	307.7	0.000	0.000	0.024	0.024	627
8	1769	0.000	0.000	0.132	0.132	20161	1491	0.000	0.000	0.137	0.137	17688	349.3	0.000	0.000	0.024	0.024	712
9	1853	0.000	0.000	0.145	0.145	23136	1349	0.000	0.000	0.135	0.135	15763	319.7	0.000	0.000	0.024	0.024	652
10	1626	0.000	0.000	0.140	0.140	19697	1205	0.000	0.000	0.097	0.097	10145	277.0	0.000	0.000	0.024	0.024	565
11	1308	0.000	0.000	0.050	0.050	5673	1508	0.000	0.000	0.099	0.099	12849	258.0	0.000	0.000	0.024	0.024	526
12	1105	0.000	0.000	0.050	0.050	4804	1704	0.000	0.000	0.128	0.128	18850	232.3	0.000	0.000	0.024	0.024	474
13	985.7	0.000	0.000	0.099	0.099	8440	1968	0.000	0.000	0.065	0.065	11102	259.8	0.000	0.000	0.042	0.042	945
14	1018	0.000	0.000	0.081	0.081	7118	2348	0.000	0.000	0.153	0.153	30993	205.4	0.000	0.000	0.042	0.042	747
15	1488	0.000	0.000	0.097	0.097	12415	2453	0.000	0.000	0.154	0.154	32721	191.3	0.000	0.000	0.042	0.042	696
16	1849	0.000	0.000	0.133	0.133	21290	2039	0.000	0.000	0.141	0.141	24765	185.8	0.000	0.000	0.042	0.042	676
17	2245	0.000	0.000	0.151	0.151	29330	1828	0.000	0.000	0.129	0.129	20312	212.3	0.000	0.000	0.042	0.042	772
18	2312	0.000	0.000	0.178	0.178	35570	1510	0.000	0.000	0.093	0.093	12182	201.5	0.000	0.000	0.042	0.042	733
19	3530	0.000	0.000	0.168	0.168	51304	1304	0.000	0.000	0.133	0.133	14996	164.7	0.000	0.000	0.042	0.042	599
20	3037	0.000	0.000	0.162	0.162	42613	1130	0.000	0.000	0.056	0.056	5458	158.4	0.000	0.000	0.042	0.042	576
21	2883	0.000	0.000	0.129	0.129	32130	984.7	0.000	0.000	0.040	0.040	3378	149.2	0.000	0.000	0.042	0.042	543
22	2805	0.000	0.000	0.225	0.225	54407	898.3	0.000	0.000	0.122	0.122	9461	143.2	0.000	0.000	0.042	0.042	521
23	3070	0.000	0.000	0.161	0.161	42737	1048	0.000	0.000	0.075	0.075	6810	170.9	0.000	0.000	0.047	0.047	688
24	4481	0.000	0.000	0.178	0.178	68877	980.8	0.000	0.000	0.083	0.083	7025	178.6	0.000	0.000	0.047	0.047	719
25	4071	0.000	0.000	0.148	0.148	52092	926.9	0.000	0.000	0.068	0.068	5446	161.1	0.000	0.000	0.047	0.047	649
26	3167	0.000	0.000	0.132	0.132	36171	894.5	0.000	0.000	0.067	0.067	5139	152.0	0.000	0.000	0.047	0.047	612
27	2238	0.000	0.000	0.114	0.114	21950	789.5	0.000	0.000	0.042	0.042	2851	148.4	0.000	0.000	0.050	0.050	635
28	1754	0.000	0.000	0.105	0.105	15900	724.8	0.000	0.000	0.072	0.072	4509	130.9	0.000	0.000	0.050	0.050	560
29	1482	0.000	0.000	0.087	0.087	11099	636.3	0.000	0.000	0.074	0.074	4068	129.2	0.000	0.000	0.050	0.050	553
30	1649	0.000	0.000	0.141	0.141	20032	524.3	0.000	0.000	0.076	0.076	3452	127.6	0.000	0.000	0.050	0.050	546
31							490.4	0.000	0.000	0.078	0.078	3301						
Ten Daily Mean																		
Ten Daily I	3485	0.000	0.000	0.175	0.175	54830	1476	0.000	0.000	0.126	0.126	16181	364.0	0.000	0.000	0.037	0.037	1219
Ten Daily II	1888	0.000	0.000	0.117	0.117	21856	1779	0.000	0.000	0.115	0.115	18423	206.9	0.000	0.000	0.038	0.038	674
Ten Daily III	2760	0.000	0.000	0.142	0.142	35539	809.0	0.000	0.000	0.072	0.072	5040	149.1	0.000	0.000	0.047	0.047	602
Monthly																		
Total						1122252						401479						24955

Annual Sediment Load (Metric Tonnes) : 5385712

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Perur (AG000G7)

Local River : Godavari

Division : Lower Godavari Div., Hyderabad

Sub-Division : Lower Godavari 1, Bhadrachalam

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	130.7	0.000	0.000	0.050	0.050	559	68.63	0.000	0.000	0.017	0.017	100	28.98	0.000	0.000	0.025	0.025	63
2	126.5	0.000	0.000	0.050	0.050	541	70.53	0.000	0.000	0.017	0.017	102	26.69	0.000	0.000	0.025	0.025	58
3	117.5	0.000	0.000	0.050	0.050	503	70.12	0.000	0.000	0.017	0.017	102	19.94	0.000	0.000	0.025	0.025	43
4	105.3	0.000	0.000	0.020	0.020	180	69.41	0.000	0.000	0.017	0.017	101	18.50	0.000	0.000	0.025	0.025	40
5	101.6	0.000	0.000	0.020	0.020	174	68.11	0.000	0.000	0.017	0.017	99	17.57	0.000	0.000	0.032	0.032	49
6	99.90	0.000	0.000	0.020	0.020	171	55.92	0.000	0.000	0.017	0.017	81	18.07	0.000	0.000	0.032	0.032	50
7	90.99	0.000	0.000	0.020	0.020	156	60.50	0.000	0.000	0.017	0.017	88	17.58	0.000	0.000	0.032	0.032	49
8	101.0	0.000	0.000	0.020	0.020	173	61.21	0.000	0.000	0.024	0.024	127	15.65	0.000	0.000	0.032	0.032	43
9	83.50	0.000	0.000	0.020	0.020	143	151.0	0.000	0.000	0.024	0.024	314	14.11	0.000	0.000	0.032	0.032	39
10	81.50	0.000	0.000	0.020	0.020	139	126.9	0.000	0.000	0.024	0.024	264	10.50	0.000	0.000	0.032	0.032	29
11	82.66	0.000	0.000	0.022	0.022	154	114.8	0.000	0.000	0.024	0.024	239	8.380	0.000	0.000	0.032	0.032	23
12	83.54	0.000	0.000	0.022	0.022	155	130.8	0.000	0.000	0.024	0.024	272	6.674	0.000	0.000	0.061	0.061	35
13	84.94	0.000	0.000	0.022	0.022	158	125.5	0.000	0.000	0.024	0.024	261	131.3	0.000	0.000	0.075	0.075	851
14	81.04	0.000	0.000	0.022	0.022	151	120.5	0.000	0.000	0.024	0.024	251	11.44	0.000	0.000	0.061	0.061	60
15	66.78	0.000	0.000	0.022	0.022	124	120.5	0.000	0.000	0.024	0.024	251	7.001	0.000	0.000	0.061	0.061	37
16	74.75	0.000	0.000	0.022	0.022	139	119.6	0.000	0.000	0.025	0.025	260	5.994	0.000	0.000	0.061	0.061	32
17	74.75	0.000	0.000	0.022	0.022	139	111.1	0.000	0.000	0.025	0.025	242	5.626	0.000	0.000	0.061	0.061	30
18	69.39	0.000	0.000	0.023	0.023	135	108.3	0.000	0.000	0.025	0.025	236	62.50	0.000	0.000	0.061	0.061	329
19	70.47	0.000	0.000	0.023	0.023	138	92.82	0.000	0.000	0.025	0.025	202	86.58	0.000	0.000	0.015	0.015	111
20	70.87	0.000	0.000	0.023	0.023	138	84.66	0.000	0.000	0.025	0.025	184	52.44	0.000	0.000	0.015	0.015	67
21	71.48	0.000	0.000	0.023	0.023	140	70.50	0.000	0.000	0.025	0.025	153	52.27	0.000	0.000	0.015	0.015	67
22	67.81	0.000	0.000	0.023	0.023	132	66.08	0.000	0.000	0.027	0.027	154	53.18	0.000	0.000	0.015	0.015	68
23	66.11	0.000	0.000	0.023	0.023	129	55.52	0.000	0.000	0.027	0.027	129	59.67	0.000	0.000	0.015	0.015	76
24	65.50	0.000	0.000	0.023	0.023	128	57.80	0.000	0.000	0.027	0.027	134	60.13	0.000	0.000	0.015	0.015	77
25	63.50	0.000	0.000	0.023	0.023	124	55.35	0.000	0.000	0.027	0.027	129	57.50	0.000	0.000	0.015	0.015	74
26	62.48	0.000	0.000	0.023	0.023	125	52.50	0.000	0.000	0.027	0.027	122	47.30	0.000	0.000	0.018	0.018	74
27	60.14	0.000	0.000	0.023	0.023	121	51.32	0.000	0.000	0.027	0.027	119	39.40	0.000	0.000	0.018	0.018	62
28	55.12	0.000	0.000	0.023	0.023	110	40.50	0.000	0.000	0.027	0.027	94	31.84	0.000	0.000	0.018	0.018	50
29	56.24	0.000	0.000	0.023	0.023	113	38.22	0.000	0.000	0.025	0.025	83						
30	61.77	0.000	0.000	0.023	0.023	124	37.84	0.000	0.000	0.025	0.025	82						
31	66.50	0.000	0.000	0.023	0.023	133	34.70	0.000	0.000	0.025	0.025	75						
Ten Daily Mean																		
Ten Daily I	103.8	0.000	0.000	0.029	0.029	274	80.24	0.000	0.000	0.019	0.019	138	18.76	0.000	0.000	0.029	0.029	46
Ten Daily II	75.92	0.000	0.000	0.022	0.022	143	112.9	0.000	0.000	0.025	0.025	240	37.79	0.000	0.000	0.050	0.050	157
Ten Daily III	63.33	0.000	0.000	0.023	0.023	125	50.94	0.000	0.000	0.026	0.026	116	50.16	0.000	0.000	0.016	0.016	68
Monthly																		
Total						5547						5052						2585

Annual Sediment Load (Metric Tonnes) : 5385712

Page No 20

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Perur (AG000G7)

Local River : Godavari

Division : Lower Godavari Div., Hyderabad

Sub-Division : Lower Godavari 1, Bhadrachalam

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	24.85	0.000	0.000	0.018	0.018	39	0.000	0.000	0.000	0.000	0.000	0	2.099	0.000	0.000	0.000	0.000	0
2	12.50	0.000	0.000	0.018	0.018	20	0.000	0.000	0.000	0.000	0.000	0	2.099	0.000	0.000	0.036	0.036	6
3	4.920	0.000	0.000	0.018	0.018	8	0.000	0.000	0.000	0.000	0.000	0	2.502	0.000	0.000	0.036	0.036	8
4	4.920	0.000	0.000	0.018	0.018	8	0.000	0.000	0.000	0.000	0.000	0	30.74	0.000	0.000	0.036	0.036	95
5	5.023	0.000	0.000	0.029	0.029	12	0.000	0.000	0.000	0.000	0.000	0	94.71	0.000	0.000	0.036	0.036	291
6	4.785	0.000	0.000	0.029	0.029	12	0.000	0.000	0.000	0.000	0.000	0	84.50	0.000	0.000	0.036	0.036	260
7	4.303	0.000	0.000	0.029	0.029	11	0.000	0.000	0.000	0.000	0.000	0	8.342	0.000	0.000	0.013	0.013	9
8	4.324	0.000	0.000	0.029	0.029	11	0.000	0.000	0.000	0.000	0.000	0	3.370	0.000	0.000	0.013	0.013	4
9	3.806	0.000	0.000	0.029	0.029	9	0.000	0.000	0.000	0.000	0.000	0	3.943	0.000	0.000	0.013	0.013	4
10	3.800	0.000	0.000	0.029	0.029	9	0.000	0.000	0.000	0.000	0.000	0	5.642	0.000	0.000	0.013	0.013	6
11	3.700	0.000	0.000	0.029	0.029	9	0.000	0.000	0.000	0.000	0.000	0	10.36	0.000	0.000	0.013	0.013	12
12	3.356	0.000	0.000	0.047	0.047	14	0.000	0.000	0.000	0.000	0.000	0	11.50	0.000	0.000	0.013	0.013	13
13	2.528	0.000	0.000	0.047	0.047	10	0.000	0.000	0.000	0.000	0.000	0	21.50	0.000	0.000	0.013	0.013	24
14	2.229	0.000	0.000	0.047	0.047	9	0.000	0.000	0.000	0.000	0.000	0	17.08	0.000	0.000	0.021	0.021	30
15	1.842	0.000	0.000	0.047	0.047	7	0.000	0.000	0.000	0.000	0.000	0	15.03	0.000	0.000	0.021	0.021	27
16	1.794	0.000	0.000	0.047	0.047	7	0.000	0.000	0.000	0.000	0.000	0	16.15	0.000	0.000	0.021	0.021	29
17	1.928	0.000	0.000	0.047	0.047	8	0.000	0.000	0.000	0.000	0.000	0	11.42	0.000	0.000	0.021	0.021	20
18	1.930	0.000	0.000	0.047	0.047	8	0.000	0.000	0.000	0.000	0.000	0	8.242	0.000	0.000	0.021	0.021	15
19	1.812	0.000	0.000	0.037	0.037	6	0.000	0.000	0.000	0.037	0.037	0	3.300	0.000	0.000	0.021	0.021	6
20	1.861	0.000	0.000	0.037	0.037	6	0.000	0.000	0.000	0.037	0.037	0	2.100	0.000	0.000	0.021	0.021	4
21	1.922	0.000	0.000	0.037	0.037	6	0.000	0.000	0.000	0.037	0.037	0	1.600	0.000	0.000	0.012	0.012	2
22	1.698	0.000	0.000	0.037	0.037	5	0.000	0.000	0.000	0.037	0.037	0	1.265	0.000	0.000	0.012	0.012	1
23	0.576	0.000	0.000	0.037	0.037	2	0.000	0.000	0.000	0.037	0.037	0	0.880	0.000	0.000	0.012	0.012	1
24	0.406	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.406	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.406	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.579	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.569	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.280	0.000	0.000	0.012	0.012	3
29	0.570	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	4.324	0.000	0.000	0.012	0.012	4
30	0.570	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	4.101	0.000	0.000	0.012	0.012	4
31	0.560	0.000	0.000	0.000	0.000	0							3.468	0.000	0.000	0.012	0.012	3
Ten Daily Mean																		
Ten Daily I	7.323	0.000	0.000	0.024	0.024	14	0.000	0.000	0.000	0.000	0.000	0	23.79	0.000	0.000	0.023	0.023	68
Ten Daily II	2.298	0.000	0.000	0.043	0.043	8	0.000	0.000	0.000	0.007	0.007	0	11.67	0.000	0.000	0.018	0.018	18
Ten Daily III	0.751	0.000	0.000	0.010	0.010	1	0.000	0.000	0.000	0.011	0.011	0	1.720	0.000	0.000	0.007	0.007	2
Monthly																		
Total						236						0						881

Annual Sediment Load (Metric Tonnes) : 5385712

Page No 21

Annual Sediment Load for period : 1969-2018**Station Name : Perur (AG000G7)****Division : Lower Godavari Div., Hyderabad****Local River : Godavari****Sub-Division : Lower Godavari 1, Bhadrachalam**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1969-1970	151108805	36821	151145626	89966
1970-1971	216691679	52401	216744080	112169
1971-1972	35737654	29216	35766870	44134
1972-1973	33126875	13056	33139931	35168
1973-1974	195298831	111972	195410803	113632
1974-1975	21357321	49254	21406575	31238
1975-1976	125705936	54968	125760904	105407
1976-1977	77128439	39817	77168255	82208
1977-1978	87110482	152936	87263418	64663
1978-1979	120756653	113286	120869940	98675
1979-1980	92531717	14489	92546206	62878
1980-1981	86155518	13738	86169256	81737
1981-1982	102877202	20167	102897369	84987
1982-1983	13028638	22102	13050740	41474
1983-1984	136328401	48283	136376683	124229
1984-1985	29826747	16903	29843650	36544
1985-1986	30508514	21890	30530404	43483
1986-1987	130749303	21797	130771100	71336
1987-1988	13972429	24489	13996918	24222
1988-1989	133663944	32447	133696391	111752
1989-1990	81117339	0	81117339	65845
1990-1991	138647707	0	138647707	136746
1991-1992	35116257	19360	35135617	44968
1992-1993	95079318	29642	95108960	62490
1993-1994	18050053	22610	18072663	36740
1994-1995	92857996	223740	93081736	111131
1995-1996	49418463	27452	49445915	65342
1996-1997	22054512	61373	22115885	42219
1997-1998	17596606	560568	18157174	38592
1998-1999	34869963	35934	34905898	66821
1999-2000	44623333	14058	44637391	73075
2000-2001	86681294	6818	86688113	63918
2001-2002	72249287	11156	72260443	64857
2002-2003	22103046	8576	22111622	44027
2003-2004	41974848	89899	42064747	65612
2004-2005	17060801	17226	17078028	33212
2005-2006	54086947	1886	54088833	84139
2006-2007	211994257	9704	212003961	108886
2007-2008	31520091	733	31520825	64931
2008-2009	23617670	6611	23624280	41097
2009-2010	6801420	3175	6804595	23350
2010-2011	74425656	204572	74630228	100229
2011-2012	59054254	7952	59062206	52573
2012-2013	59331966	59283	59391248	80590
2013-2014	266351704	252040	266603743	149096
2014-2015	40660760	21153	40681913	53445

Annual Sediment Load for period : 1969-2018

Station Name : Perur (AG000G7)

Division : Lower Godavari Div., Hyderabad

Local River : Godavari

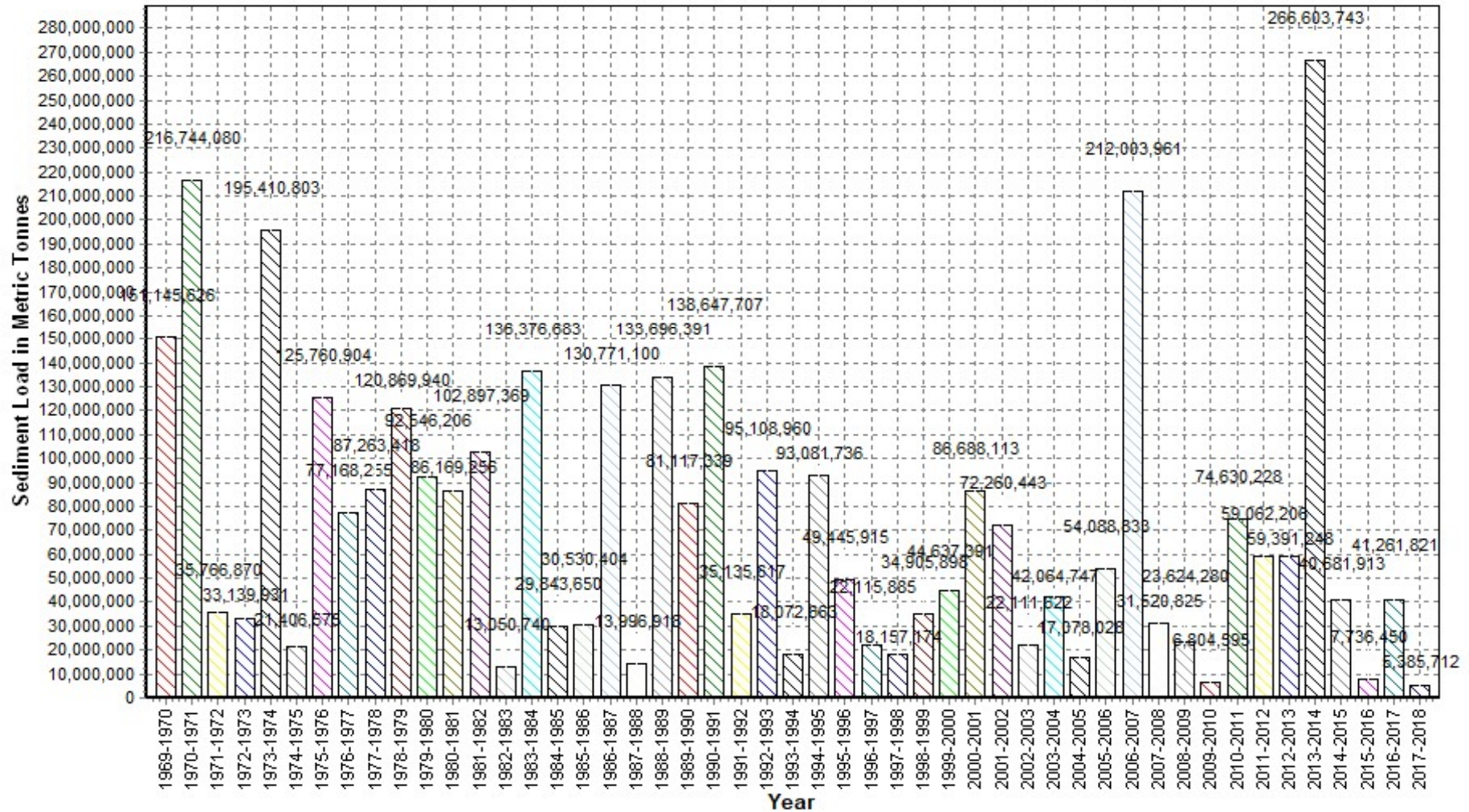
Sub-Division : Lower Godavari 1, Bhadrachalam

2015-2016	7733088	3362	7736450	42584
2016-2017	41155479	106342	41261821	83820
2017-2018	5371411	14302	5385712	28752

Annual Sediment Load for the period: 1969-2018

Station Name : Perur (AG000G7)
Local River : Godavari

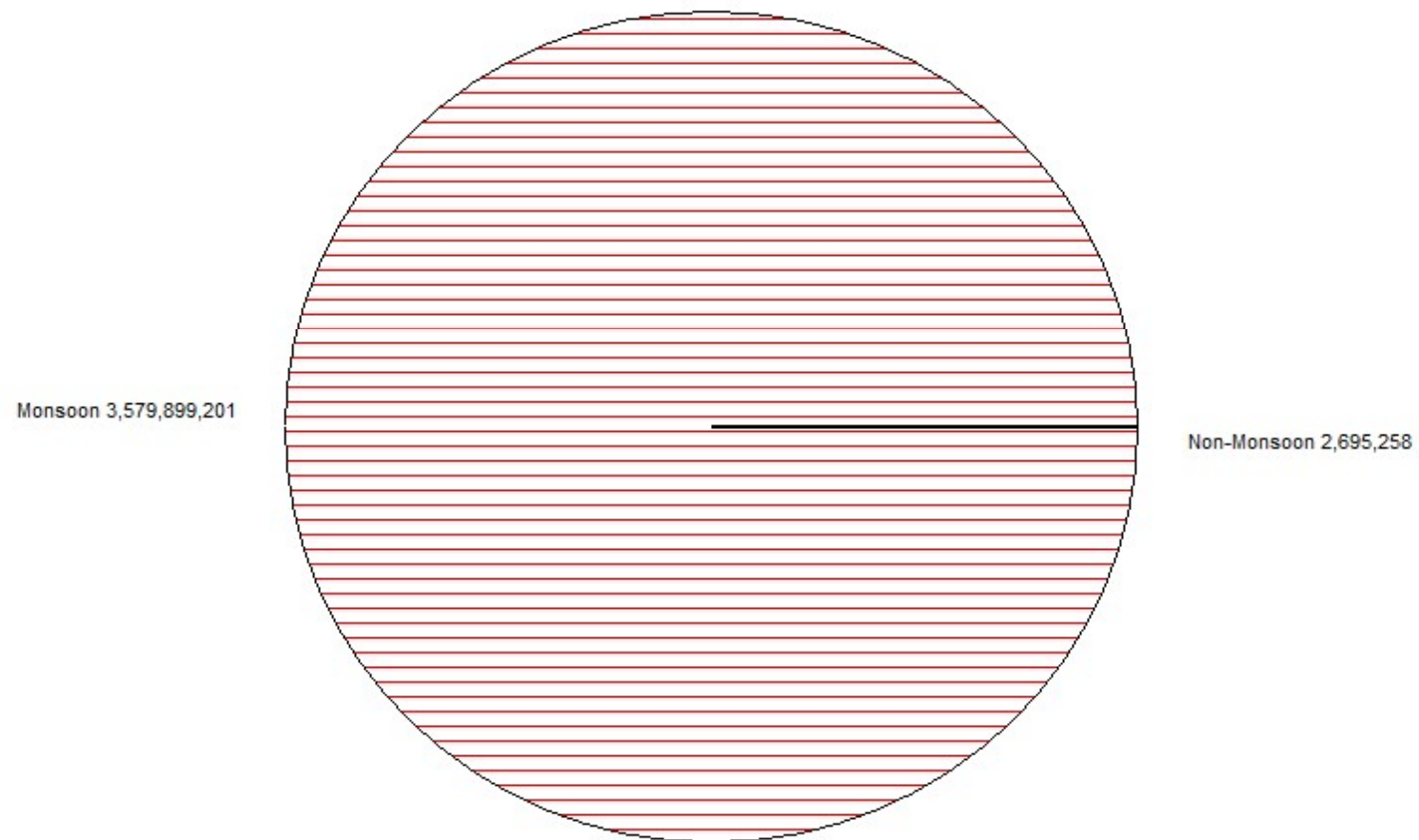
Division : Lower Godavari Div., Hyderabad
Sub-Division : Lower Godavari 1, Bhadrachalam



Station Name : Perur (AG000G7)
Local River : Godavari

Seasonal Sediment Load for the period : 1969-2017

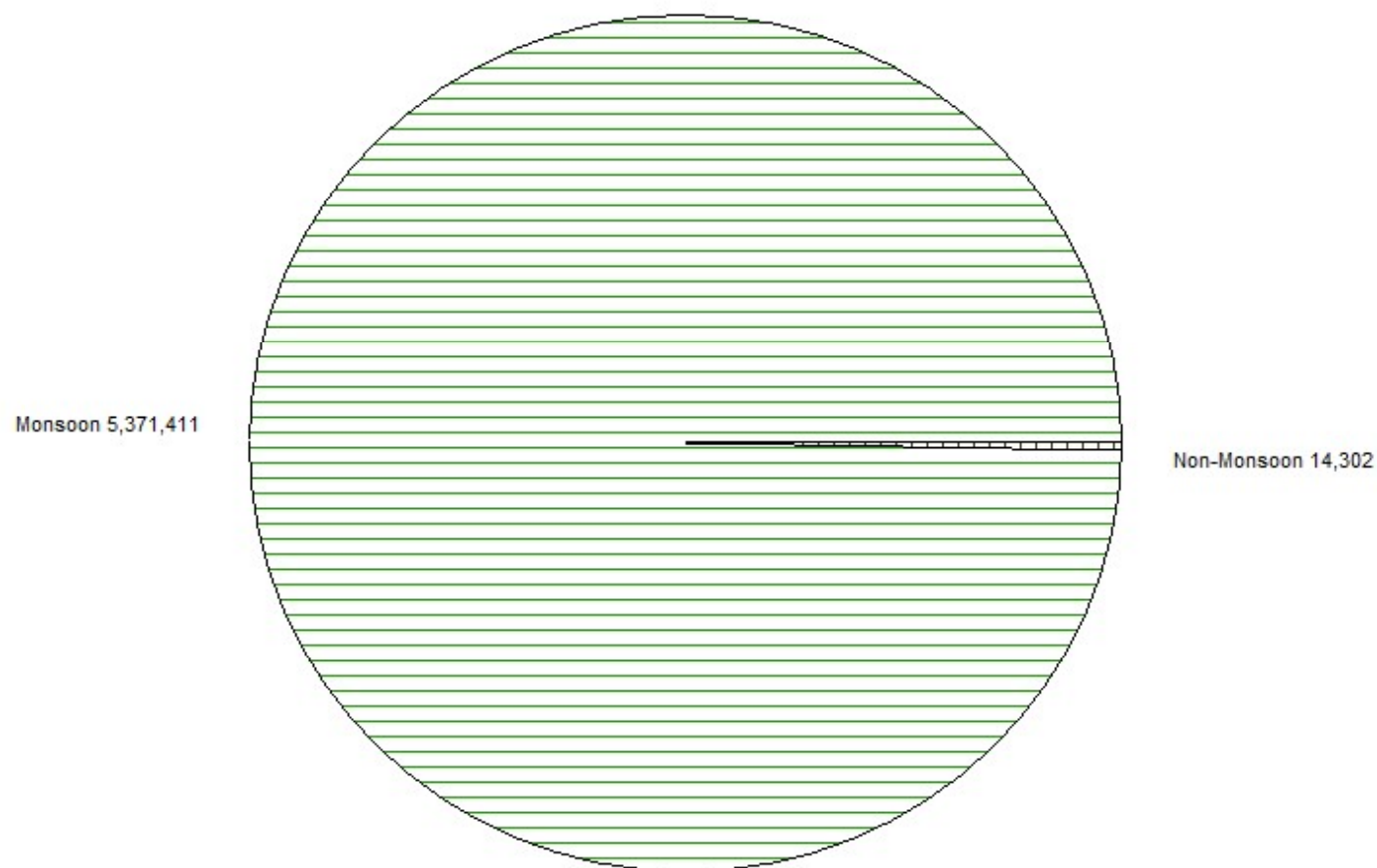
Division : Lower Godavari Div., Hyderabad
Sub-Division : Lower Godavari 1, Bhadrachalam



Station Name : Perur (AG000G7)
Local River : Godavari

Seasonal Sediment Load for the Year: 2017-2018

Division : Lower Godavari Div., Hyderabad
Sub-Division : Lower Godavari 1, Bhadrachalam



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : GODAVARI AT PERUR CODE : AG000G7
 MEASURING : LGDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 16-06-17)

Discharge Observed :	94.95	cumec	Water edge RB :	1394.00	m	LB :	10.85	m
Area of section :	226.14	sq.m	MeanVelocity :				0.4199	m/sec
Wetted perimeter :	414.05	m	Hydraulic Mean Depth :				0.5462	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	200		72.530		1.31		Av.mean dia "m" = 1.30	
2	400		74.585		1.35			
3	600		75.150		1.24		Silt factor "f" = 1.76 $\sqrt{m}$ = 2.00	
4	800		73.370		1.32			
5	1000		70.495		1.29			
6	1200		69.130		1.27			
7	1400		69.600		1.29			

Note :
 i. Discharge observation was at station gauge line.
 ii. River bed : Flowing water.
 iii. Water flows in multi channels

Monsoon Survey (Date)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :				---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :				---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	

Survey not conducted

Note :

Postmonsoon Survey (Date 24-11-17)

Discharge Observed :	178.66	cumec	Water edge RB :	1535.00	m	LB :	1086.00	m
Area of section :	356.60	sq.m	MeanVelocity :				0.5010	m/sec
Wetted perimeter :	449.02	m	Hydraulic Mean Depth :				0.7942	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	200		72.710		1.63		Av.mean dia "m" = 1.51	
2	400		74.545		1.41			
3	600		75.080		1.72		Silt factor "f" = 1.76 $\sqrt{m}$ = 2.16	
4	800		73.560		1.77			
5	1000		70.490		1.42			
6	1200		68.535		1.40			
7	1400		68.845		1.23			

Note :
 i. Discharge observation was at station gauge line.
 ii. River bed : Flowing water.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: Pathagudem	Code	: AGG00B5
State	: Chhattisgarh	District	Dantewara
Basin	: Godavari	Independent River	: Godavari
Tributary	: Indravathi	Sub Tributary	: -
Sub-Sub Tributary	: -	Local River	: Indravathi
Division	: Lower Godavari Div., Hyderabad	Sub-Division	: Indravati SD, Jagdalpur
Drainage Area	: 40000 Sq. Km.	Bank	: Left
Latitude	: 18°49'00"	Longitude	: 80°21'00"
Zero of Gauge (m)	: 85.750 (m.s.l)	20/07/1964	
	Opening Date	Closing Date	
Gauge	: 01/07/1964		
Discharge	: 20/07/1964		
Sediment	: 21/07/1965		
Water Quality	: 01/01/1972		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Pathagudem (AGG00B5)

Local River : Indravathi

Division : Lower Godavari Div., Hyderabad

Sub-Division : Indravati SD, Jagdalpur

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	5.160	0.000	0.000	0.000	0.000	0	611.6	0.009	0.014	0.178	0.200	10580	466.9	0.008	0.012	0.160	0.180	7244
2	5.174	0.000	0.000	0.000	0.000	0	527.9	0.008	0.013	0.168	0.189	8605	514.4	0.008	0.012	0.166	0.187	8298
3	4.119	0.000	0.000	0.000	0.000	0	669.0	0.009	0.014	0.184	0.208	12000	519.7	0.008	0.012	0.167	0.188	8419
4	5.272	0.000	0.000	0.000	0.000	0	735.7	0.010	0.015	0.191	0.216	13712	475.6	0.008	0.012	0.161	0.181	7434
5	4.078	0.000	0.000	0.000	0.000	0	654.6	0.009	0.014	0.182	0.206	11638	422.3	0.007	0.011	0.154	0.172	6293
6	2.777	0.000	0.000	0.000	0.000	0	623.6	0.009	0.014	0.179	0.202	10874	460.7	0.008	0.012	0.159	0.179	7109
7	2.556	0.000	0.000	0.000	0.000	0	525.0	0.008	0.012	0.168	0.188	8541	448.5	0.007	0.011	0.158	0.177	6848
8	3.184	0.000	0.000	0.000	0.000	0	418.0	0.007	0.011	0.154	0.172	6203	479.5	0.008	0.012	0.162	0.182	7520
9	4.337	0.000	0.000	0.000	0.000	0	349.4	0.006	0.010	0.144	0.160	4825	844.0	0.011	0.016	0.201	0.228	16630
10	13.92	0.000	0.000	0.042	0.042	50	242.0	0.005	0.008	0.125	0.138	2884	1444	0.015	0.022	0.246	0.284	35383
11	18.28	0.000	0.000	0.047	0.047	74	276.5	0.006	0.009	0.131	0.146	3477	1390	0.014	0.022	0.243	0.279	33537
12	24.77	0.000	0.000	0.052	0.052	112	251.3	0.005	0.008	0.127	0.140	3041	982.7	0.012	0.018	0.213	0.243	20594
13	34.49	0.000	0.000	0.059	0.059	177	312.3	0.006	0.009	0.138	0.153	4123	1232	0.013	0.020	0.232	0.266	28311
14	30.53	0.000	0.000	0.057	0.057	150	248.3	0.005	0.008	0.126	0.139	2990	776.6	0.010	0.016	0.195	0.221	14795
15	33.99	0.000	0.000	0.059	0.059	174	432.5	0.007	0.011	0.156	0.174	6507	822.0	0.011	0.016	0.199	0.226	16025
16	37.17	0.000	0.000	0.061	0.061	196	1470	0.015	0.023	0.248	0.286	36266	821.3	0.011	0.016	0.199	0.226	16005
17	79.36	0.000	0.000	0.082	0.082	560	820.9	0.011	0.016	0.199	0.226	15995	841.1	0.011	0.016	0.201	0.228	16550
18	120.9	0.000	0.000	0.096	0.096	1001	1465	0.015	0.023	0.248	0.285	36097	838.7	0.011	0.016	0.200	0.227	16484
19	65.76	0.000	0.000	0.076	0.076	431	14634	0.058	0.084	0.596	0.738	932818	3222	0.024	0.035	0.335	0.394	109596
20	55.22	0.000	0.000	0.071	0.071	339	15734	0.060	0.088	0.612	0.761	1033897	2915	0.022	0.033	0.322	0.378	95158
21	54.49	0.000	0.000	0.071	0.071	333	4790	0.030	0.044	0.389	0.464	191870	2942	0.022	0.034	0.323	0.379	96441
22	57.91	0.000	0.000	0.072	0.072	362	3467	0.025	0.037	0.344	0.406	121569	2111	0.019	0.028	0.285	0.331	60397
23	84.26	0.000	0.000	0.084	0.084	608	1777	0.017	0.025	0.267	0.309	47365	1456	0.015	0.022	0.247	0.285	35811
24	90.72	0.000	0.000	0.086	0.086	673	853.2	0.011	0.017	0.202	0.229	16885	838.1	0.011	0.016	0.200	0.227	16468
25	113.5	0.000	0.000	0.094	0.094	917	786.6	0.010	0.016	0.196	0.222	15063	1232	0.013	0.020	0.232	0.266	28311
26	155.3	0.000	0.006	0.105	0.112	1498	816.3	0.011	0.016	0.198	0.225	15870	1607	0.016	0.024	0.257	0.296	41116
27	275.6	0.006	0.009	0.131	0.145	3459	707.5	0.010	0.015	0.188	0.212	12980	1332	0.014	0.021	0.239	0.274	31580
28	674.6	0.010	0.014	0.184	0.208	12141	766.6	0.010	0.016	0.194	0.219	14529	1620	0.016	0.024	0.257	0.297	41583
29	805.0	0.011	0.016	0.197	0.224	15566	639.2	0.009	0.014	0.181	0.204	11256	3059	0.023	0.034	0.328	0.385	101895
30	742.5	0.010	0.015	0.191	0.217	13889	658.1	0.009	0.014	0.183	0.206	11727	5172	0.031	0.046	0.401	0.479	213836
31							670.7	0.009	0.014	0.184	0.208	12043	3939	0.027	0.040	0.361	0.428	145577
Ten Daily Mean																		
Ten Daily I	5.057	0.000	0.000	0.004	0.004	5	535.7	0.008	0.012	0.167	0.188	8986	607.6	0.009	0.013	0.174	0.196	11118
Ten Daily II	50.05	0.000	0.000	0.066	0.066	321	3564	0.019	0.028	0.258	0.305	207521	1384	0.014	0.021	0.234	0.269	36705
Ten Daily III	305.4	0.004	0.006	0.122	0.131	4945	1448	0.014	0.021	0.229	0.264	42832	2301	0.019	0.028	0.285	0.332	73910
Monthly																		
Total						52708						2636230						1291247

Annual Sediment Load (Metric Tonnes) : 5067222

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Pathagudem (AGG00B5)

Local River : Indravathi

Division : Lower Godavari Div., Hyderabad

Sub-Division : Indravati SD, Jagdalpur

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	2438	0.020	0.030	0.301	0.351	73966	783.7	0.010	0.017	0.195	0.223	15104	272.8	0.000	0.000	0.131	0.131	3078
2	1491	0.015	0.023	0.249	0.287	36997	941.4	0.012	0.017	0.209	0.238	19339	264.6	0.000	0.000	0.129	0.129	2951
3	1136	0.013	0.020	0.225	0.257	25254	884.8	0.011	0.016	0.204	0.231	17684	245.0	0.000	0.000	0.125	0.125	2654
4	851.6	0.011	0.016	0.202	0.229	16842	784.2	0.010	0.015	0.195	0.221	14963	193.2	0.000	0.000	0.115	0.115	1911
5	833.0	0.011	0.016	0.200	0.227	16325	738.6	0.010	0.016	0.191	0.217	13862	181.2	0.000	0.000	0.112	0.112	1749
6	827.0	0.011	0.016	0.199	0.226	16162	840.1	0.011	0.016	0.200	0.228	16524	198.0	0.000	0.000	0.116	0.116	1977
7	810.1	0.011	0.016	0.198	0.224	15698	842.7	0.011	0.017	0.201	0.228	16637	193.3	0.000	0.000	0.115	0.115	1913
8	791.4	0.010	0.016	0.196	0.222	15193	895.1	0.011	0.016	0.205	0.233	17984	188.8	0.000	0.000	0.114	0.114	1852
9	805.5	0.011	0.016	0.197	0.224	15574	803.9	0.011	0.016	0.197	0.223	15517	186.7	0.000	0.000	0.113	0.113	1824
10	714.6	0.010	0.015	0.188	0.213	13163	786.9	0.010	0.016	0.196	0.222	15109	177.1	0.000	0.000	0.111	0.111	1696
11	879.5	0.011	0.017	0.204	0.232	17622	836.3	0.011	0.019	0.200	0.230	16628	123.5	0.000	0.000	0.097	0.097	1030
12	741.3	0.010	0.015	0.191	0.216	13860	1115	0.013	0.020	0.223	0.256	24678	87.96	0.000	0.000	0.085	0.085	645
13	749.7	0.010	0.015	0.192	0.217	14082	1201	0.013	0.021	0.230	0.264	27368	112.9	0.000	0.000	0.093	0.093	910
14	815.2	0.011	0.016	0.198	0.225	15839	1265	0.014	0.008	0.234	0.256	28022	92.78	0.000	0.000	0.087	0.087	694
15	821.0	0.011	0.016	0.199	0.226	15996	257.9	0.005	0.017	0.128	0.150	3339	103.1	0.000	0.000	0.090	0.090	803
16	833.5	0.011	0.016	0.200	0.227	16340	861.9	0.011	0.016	0.202	0.230	17104	97.88	0.000	0.000	0.088	0.088	747
17	912.4	0.011	0.017	0.207	0.235	18554	833.8	0.011	0.016	0.200	0.226	16294	106.9	0.000	0.000	0.091	0.091	844
18	830.0	0.011	0.016	0.200	0.227	16244	766.5	0.010	0.013	0.194	0.216	14332	102.6	0.000	0.000	0.090	0.090	798
19	1456	0.015	0.022	0.247	0.285	35811	532.5	0.008	0.012	0.169	0.189	8692	67.11	0.000	0.000	0.077	0.077	444
20	1236	0.014	0.020	0.232	0.266	28438	502.3	0.008	0.011	0.165	0.184	7994	90.89	0.000	0.000	0.086	0.086	675
21	1448	0.015	0.022	0.247	0.284	35526	449.2	0.007	0.011	0.158	0.176	6840	90.22	0.000	0.000	0.086	0.086	668
22	1308	0.014	0.021	0.237	0.272	30784	409.7	0.007	0.014	0.152	0.174	6147	86.80	0.000	0.000	0.084	0.084	633
23	1240	0.014	0.020	0.233	0.267	28564	650.8	0.009	0.013	0.182	0.204	11478	84.09	0.000	0.000	0.083	0.083	606
24	1049	0.012	0.019	0.218	0.249	22574	557.7	0.008	0.013	0.172	0.193	9310	84.27	0.000	0.000	0.083	0.083	608
25	768.4	0.010	0.016	0.194	0.220	14576	580.5	0.009	0.013	0.174	0.196	9814	83.74	0.000	0.000	0.083	0.083	602
26	732.8	0.010	0.015	0.190	0.215	13637	552.1	0.008	0.012	0.171	0.191	9117	55.73	0.000	0.000	0.071	0.071	343
27	711.7	0.010	0.015	0.188	0.213	13090	480.8	0.008	0.011	0.162	0.181	7505	79.61	0.000	0.000	0.082	0.082	562
28	675.1	0.009	0.014	0.184	0.208	12154	409.0	0.007	0.009	0.152	0.169	5966	77.74	0.000	0.000	0.081	0.081	544
29	721.1	0.010	0.015	0.189	0.214	13331	318.9	0.006	0.009	0.139	0.154	4242	74.68	0.000	0.000	0.080	0.080	514
30	719.8	0.010	0.015	0.189	0.214	13298	312.0	0.006	0.009	0.137	0.152	4105	71.14	0.000	0.000	0.078	0.078	481
31							285.1	0.006	0.000	0.133	0.139	3413						
Ten Daily Mean																		
Ten Daily I	1070	0.012	0.018	0.216	0.246	24518	830.1	0.011	0.016	0.199	0.226	16272	210.1	0.000	0.000	0.118	0.118	2160
Ten Daily II	927.5	0.011	0.017	0.207	0.236	19279	817.2	0.010	0.015	0.194	0.220	16445	98.56	0.000	0.000	0.088	0.088	759
Ten Daily III	937.4	0.011	0.017	0.207	0.236	19754	455.1	0.007	0.010	0.157	0.175	7085	78.80	0.000	0.000	0.081	0.081	556
Monthly																		
Total						635496						405112						34754

Annual Sediment Load (Metric Tonnes) : 5067222

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Pathagudem (AGG00B5)

Division : Lower Godavari Div., Hyderabad

Local River : Indravathi

Sub-Division : Indravati SD, Jagdalpur

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	69.78	0.000	0.000	0.078	0.078	468	31.32	0.000	0.000	0.025	0.025	68	13.47	0.000	0.000	0.023	0.023	26
2	69.78	0.000	0.000	0.078	0.078	468	27.22	0.000	0.000	0.025	0.025	59	13.20	0.000	0.000	0.023	0.023	26
3	63.22	0.000	0.000	0.075	0.075	409	26.84	0.000	0.000	0.025	0.025	58	12.89	0.000	0.000	0.023	0.023	25
4	57.35	0.000	0.000	0.072	0.072	357	22.05	0.000	0.000	0.025	0.025	48	12.89	0.000	0.000	0.023	0.023	25
5	57.23	0.000	0.000	0.072	0.072	356	19.70	0.000	0.000	0.025	0.025	43	12.54	0.000	0.000	0.050	0.050	54
6	55.01	0.000	0.000	0.071	0.071	337	16.98	0.000	0.000	0.025	0.025	37	12.57	0.000	0.000	0.050	0.050	54
7	52.34	0.000	0.000	0.070	0.070	315	17.10	0.000	0.000	0.025	0.025	37	11.66	0.000	0.000	0.050	0.050	50
8	50.17	0.000	0.000	0.068	0.068	297	17.97	0.000	0.000	0.018	0.018	27	11.22	0.000	0.000	0.050	0.050	48
9	50.20	0.000	0.000	0.069	0.069	297	20.18	0.000	0.000	0.018	0.018	31	11.26	0.000	0.000	0.050	0.050	49
10	50.20	0.000	0.000	0.069	0.069	297	20.46	0.000	0.000	0.018	0.018	31	11.26	0.000	0.000	0.050	0.050	49
11	42.70	0.000	0.000	0.064	0.064	238	20.66	0.000	0.000	0.018	0.018	31	10.00	0.000	0.000	0.050	0.050	43
12	46.18	0.000	0.000	0.066	0.066	265	18.99	0.000	0.000	0.018	0.018	29	9.989	0.000	0.000	0.020	0.020	17
13	43.07	0.000	0.000	0.065	0.065	241	17.90	0.000	0.000	0.018	0.018	27	9.634	0.000	0.000	0.020	0.020	17
14	41.75	0.000	0.000	0.064	0.064	230	17.50	0.000	0.000	0.018	0.018	26	9.569	0.000	0.000	0.020	0.020	17
15	47.43	0.000	0.000	0.067	0.067	275	17.25	0.000	0.000	0.018	0.018	26	10.21	0.000	0.000	0.020	0.020	18
16	46.86	0.000	0.000	0.067	0.067	270	17.17	0.000	0.000	0.125	0.125	185	10.62	0.000	0.000	0.020	0.020	18
17	42.50	0.000	0.000	0.064	0.064	236	17.24	0.000	0.000	0.125	0.125	186	10.22	0.000	0.000	0.020	0.020	18
18	42.97	0.000	0.000	0.065	0.065	240	18.43	0.000	0.000	0.125	0.125	199	10.23	0.000	0.000	0.020	0.020	18
19	33.11	0.000	0.000	0.058	0.058	167	18.98	0.000	0.000	0.125	0.125	205	9.895	0.000	0.000	0.033	0.033	28
20	25.70	0.000	0.000	0.043	0.043	94	19.23	0.000	0.000	0.125	0.125	208	11.36	0.000	0.000	0.033	0.033	32
21	24.21	0.000	0.000	0.043	0.043	89	19.25	0.000	0.000	0.125	0.125	208	11.28	0.000	0.000	0.033	0.033	32
22	30.19	0.000	0.000	0.043	0.043	111	16.10	0.000	0.000	0.018	0.018	24	11.17	0.000	0.000	0.033	0.033	31
23	28.78	0.000	0.000	0.043	0.043	106	16.82	0.000	0.000	0.018	0.018	25	10.42	0.000	0.000	0.033	0.033	29
24	28.20	0.000	0.000	0.043	0.043	104	16.46	0.000	0.000	0.018	0.018	25	9.681	0.000	0.000	0.033	0.033	27
25	29.10	0.000	0.000	0.043	0.043	107	15.24	0.000	0.000	0.018	0.018	23	9.000	0.000	0.000	0.033	0.033	25
26	27.48	0.000	0.000	0.043	0.043	101	13.75	0.000	0.000	0.018	0.018	21	8.293	0.000	0.000	0.048	0.048	34
27	26.63	0.000	0.000	0.043	0.043	98	12.15	0.000	0.000	0.018	0.018	18	7.523	0.000	0.000	0.048	0.048	31
28	27.83	0.000	0.000	0.043	0.043	102	12.50	0.000	0.000	0.018	0.018	19	7.397	0.000	0.000	0.048	0.048	30
29	29.11	0.000	0.000	0.043	0.043	107	14.59	0.000	0.000	0.023	0.023	28						
30	29.15	0.000	0.000	0.043	0.043	107	14.78	0.000	0.000	0.023	0.023	29						
31	28.89	0.000	0.000	0.043	0.043	106	13.86	0.000	0.000	0.023	0.023	27						
Ten Daily Mean																		
Ten Daily I	57.53	0.000	0.000	0.072	0.072	360	21.98	0.000	0.000	0.023	0.023	44	12.29	0.000	0.000	0.039	0.039	41
Ten Daily II	41.23	0.000	0.000	0.062	0.062	226	18.33	0.000	0.000	0.071	0.071	112	10.17	0.000	0.000	0.026	0.026	22
Ten Daily III	28.14	0.000	0.000	0.043	0.043	103	15.05	0.000	0.000	0.029	0.029	41	9.345	0.000	0.000	0.038	0.038	30
Monthly																		
Total						6994						2007						871

Annual Sediment Load (Metric Tonnes) : 5067222

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Pathagudem (AGG00B5)

Division : Lower Godavari Div., Hyderabad

Local River : Indravathi

Sub-Division : Indravati SD, Jagdalpur

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	7.004	0.000	0.000	0.048	0.048	29	2.550	0.000	0.000	0.000	0.000	0	9.186	0.000	0.000	0.003	0.003	2
2	6.680	0.000	0.000	0.048	0.048	27	2.601	0.000	0.000	0.000	0.000	0	9.626	0.000	0.000	0.003	0.003	2
3	6.681	0.000	0.000	0.048	0.048	27	2.497	0.000	0.000	0.000	0.000	0	10.04	0.000	0.000	0.003	0.003	3
4	6.670	0.000	0.000	0.048	0.048	27	2.263	0.000	0.000	0.000	0.000	0	10.77	0.000	0.000	0.003	0.003	3
5	6.680	0.000	0.000	0.035	0.035	20	1.938	0.000	0.000	0.000	0.000	0	12.43	0.000	0.000	0.003	0.003	3
6	5.975	0.000	0.000	0.035	0.035	18	1.963	0.000	0.000	0.000	0.000	0	11.50	0.000	0.000	0.003	0.003	3
7	6.342	0.000	0.000	0.035	0.035	19	1.632	0.000	0.000	0.000	0.000	0	10.29	0.000	0.000	0.020	0.020	18
8	6.027	0.000	0.000	0.035	0.035	18	1.630	0.000	0.000	0.000	0.000	0	9.563	0.000	0.000	0.020	0.020	17
9	6.006	0.000	0.000	0.035	0.035	18	1.768	0.000	0.000	0.000	0.000	0	8.707	0.000	0.000	0.020	0.020	15
10	5.950	0.000	0.000	0.035	0.035	18	1.889	0.000	0.000	0.000	0.000	0	7.862	0.000	0.000	0.020	0.020	14
11	5.970	0.000	0.000	0.035	0.035	18	1.976	0.000	0.000	0.000	0.000	0	7.647	0.000	0.000	0.020	0.020	13
12	5.943	0.000	0.000	0.023	0.023	12	1.874	0.000	0.000	0.000	0.000	0	7.700	0.000	0.000	0.020	0.020	13
13	5.624	0.000	0.000	0.023	0.023	11	1.821	0.000	0.000	0.000	0.000	0	7.600	0.000	0.000	0.020	0.020	13
14	6.125	0.000	0.000	0.023	0.023	12	1.823	0.000	0.000	0.000	0.000	0	10.78	0.000	0.000	0.125	0.125	116
15	5.341	0.000	0.000	0.023	0.023	10	1.825	0.000	0.000	0.000	0.000	0	10.75	0.000	0.000	0.125	0.125	116
16	5.551	0.000	0.000	0.023	0.023	11	2.621	0.000	0.000	0.000	0.000	0	9.563	0.000	0.000	0.125	0.125	103
17	5.419	0.000	0.000	0.023	0.023	11	4.511	0.000	0.000	0.000	0.000	0	9.445	0.000	0.000	0.125	0.125	102
18	5.420	0.000	0.000	0.023	0.023	11	5.563	0.000	0.000	0.000	0.000	0	8.923	0.000	0.000	0.125	0.125	96
19	5.198	0.000	0.000	0.200	0.200	90	5.464	0.000	0.000	0.000	0.000	0	10.46	0.000	0.000	0.125	0.125	113
20	4.861	0.000	0.000	0.200	0.200	84	5.068	0.000	0.000	0.000	0.000	0	10.65	0.000	0.000	0.125	0.125	115
21	4.592	0.000	0.000	0.200	0.200	79	5.543	0.000	0.000	0.000	0.000	0	10.03	0.000	0.000	0.005	0.005	4
22	4.881	0.000	0.000	0.200	0.200	84	9.200	0.000	0.000	0.000	0.000	0	9.457	0.000	0.000	0.005	0.005	4
23	4.039	0.000	0.000	0.200	0.200	70	11.41	0.000	0.000	0.000	0.000	0	8.121	0.000	0.000	0.005	0.005	4
24	3.598	0.000	0.000	0.200	0.200	62	12.12	0.000	0.000	0.000	0.000	0	8.339	0.000	0.000	0.005	0.005	4
25	3.340	0.000	0.000	0.200	0.200	58	12.22	0.000	0.000	0.000	0.000	0	7.255	0.000	0.000	0.005	0.005	3
26	3.330	0.000	0.000	0.000	0.000	0	11.89	0.000	0.000	0.000	0.000	0	6.311	0.000	0.000	0.005	0.005	3
27	3.898	0.000	0.000	0.000	0.000	0	11.33	0.000	0.000	0.000	0.000	0	6.850	0.000	0.000	0.005	0.005	3
28	3.751	0.000	0.000	0.000	0.000	0	10.91	0.000	0.000	0.000	0.000	0	6.393	0.000	0.000	0.023	0.023	12
29	3.200	0.000	0.000	0.000	0.000	0	10.00	0.000	0.000	0.000	0.000	0	6.294	0.000	0.000	0.023	0.023	12
30	3.320	0.000	0.000	0.000	0.000	0	9.230	0.000	0.000	0.000	0.000	0	5.153	0.000	0.000	0.023	0.023	10
31	2.844	0.000	0.000	0.000	0.000	0							8.558	0.000	0.000	0.023	0.023	17
Ten Daily Mean																		
Ten Daily I	6.402	0.000	0.000	0.040	0.040	22	2.073	0.000	0.000	0.000	0.000	0	9.998	0.000	0.000	0.010	0.010	8
Ten Daily II	5.545	0.000	0.000	0.059	0.059	27	3.255	0.000	0.000	0.000	0.000	0	9.352	0.000	0.000	0.094	0.094	80
Ten Daily III	3.709	0.000	0.000	0.091	0.091	32	10.38	0.000	0.000	0.000	0.000	0	7.524	0.000	0.000	0.011	0.011	7
Monthly																		
Total						845						0						957

Annual Sediment Load (Metric Tonnes) : 5067222

Annual Sediment Load for period : 1969-2018**Station Name : Pathagudem (AGG00B5)****Division : Lower Godavari Div., Hyderabad****Local River : Indravathi****Sub-Division : Indravati SD, Jagdalpur**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1969-1970	15110152	7571	15117723	28131
1970-1971	8983692	3827	8987519	23938
1971-1972	5413010	2405	5415415	15291
1972-1973	8419126	4924	8424050	17210
1973-1974	10989937	2633	10992570	28368
1974-1975	4069314	2308	4071622	8919
1975-1976	22128998	2505	22131503	31147
1976-1977	27022089	11263	27033351	26427
1977-1978	16484439	53515	16537954	22427
1978-1979	54787899	28929	54816829	31020
1979-1980	16805311	25564	16830876	17523
1980-1981	24118980	17479	24136459	30500
1981-1982	12082243	24792	12107035	22432
1982-1983	10469799	16381	10486180	17473
1983-1984	19887258	14990	19902248	27302
1984-1985	14064899	11988	14076887	16607
1985-1986	10247424	12047	10259471	16102
1986-1987	11908473	5918	11914391	24236
1987-1988	7990209	0	7990209	12606
1988-1989	13341562	0	13341562	20090
1989-1990	13932174	0	13932174	20003
1990-1991	15916415	0	15916415	47983
1991-1992	2388425	1662	2390087	18758
1992-1993	20565275	0	20565275	24401
1993-1994	9966967	52	9967018	15354
1994-1995	29927001	112079	30039080	41532
1995-1996	18675468	5891	18681360	21378
1996-1997	8573299	598	8573897	16899
1997-1998	9041389	44154	9085542	15121
1998-1999	6680545	14440	6694985	16635
1999-2000	14990620	4834	14995454	26774
2000-2001	7289362	2384	7291747	18274
2001-2002	17155858	2361	17158219	34654
2002-2003	7162658	2714	7165371	11185
2003-2004	22044788	11980	22056769	31493
2004-2005	12513337	939	12514277	19266
2005-2006	11659317	0	11659317	21719
2006-2007	24352949	10753	24363702	37072
2007-2008	25504856	7580	25512436	24948
2008-2009	7807490	3700	7811191	18472
2009-2010	5236930	0	5236930	11268
2010-2011	15620237	8088	15628325	31172
2011-2012	7144108	0	7144108	13658
2012-2013	12297823	0	12297823	26329
2013-2014	16970774	0	16970774	39994
2014-2015	11035091	1608	11036699	24331

Annual Sediment Load for period : 1969-2018

Station Name : Pathagudem (AGG00B5)

Division : Lower Godavari Div., Hyderabad

Local River : Indravathi

Sub-Division : Indravati SD, Jagdalpur

2015-2016	6161541	0	6161541	18582
2016-2017	2446717	11766	2458482	10529
2017-2018	5055548	11674	5067222	14103

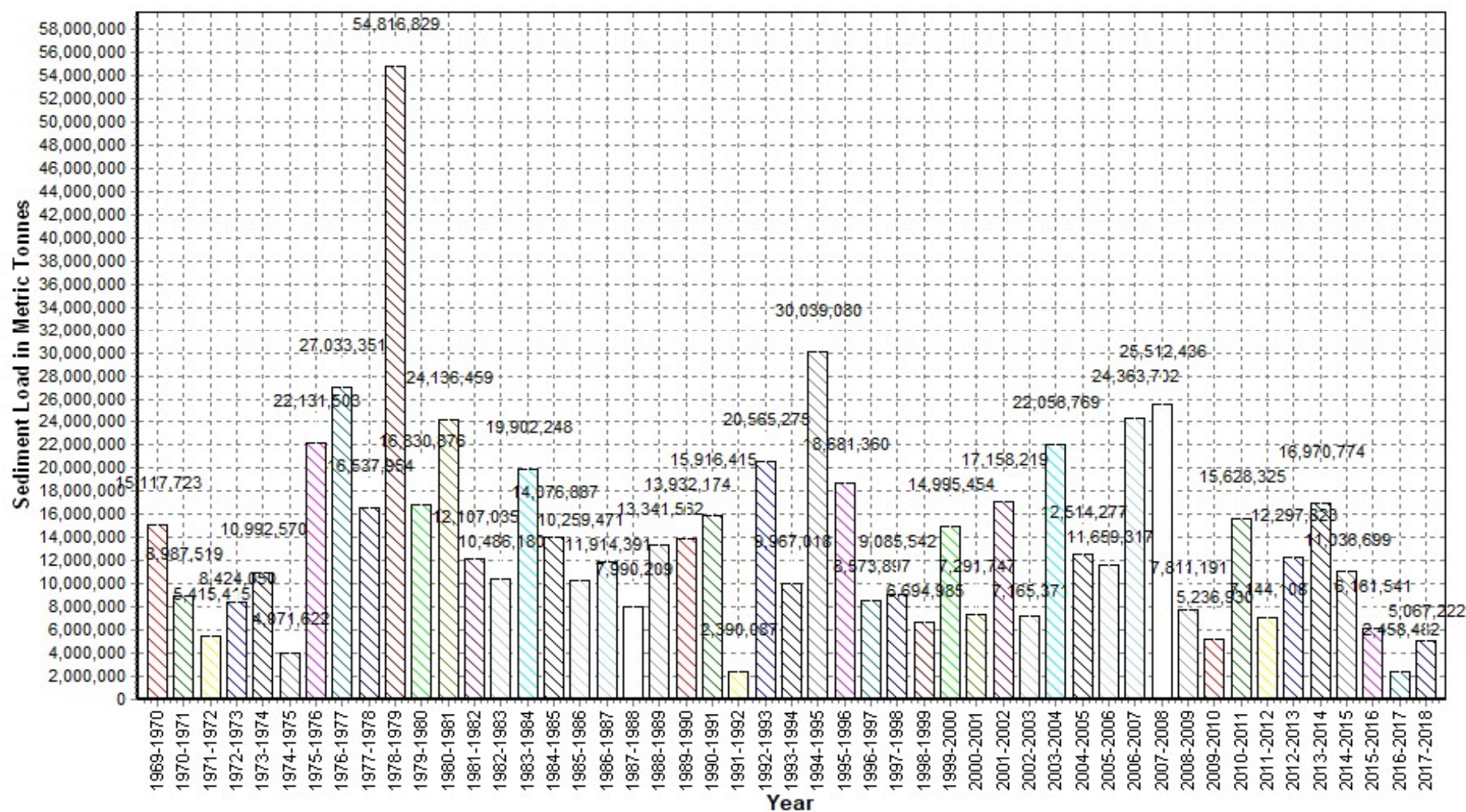
Annual Sediment Load for the period: 1969-2018

Station Name : Pathagudem (AGG00B5)

Local River : Indravathi

Division : Lower Godavari Div., Hyderabad

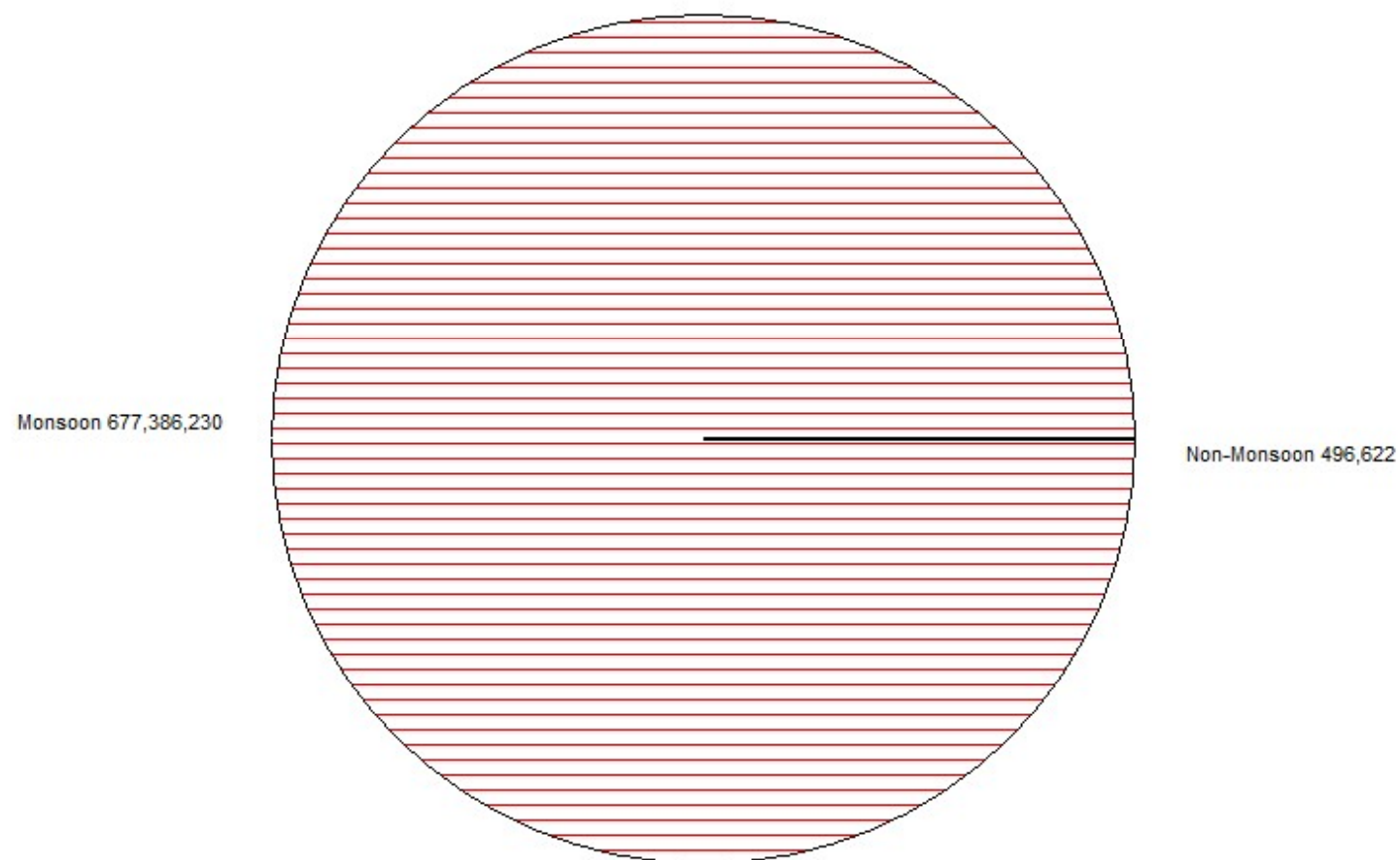
Sub-Division : Indravati SD, Jagdalpur



Station Name : Pathagudem (AGG00B5)
Local River : Indravathi

Seasonal Sediment Load for the period : 1969-2017

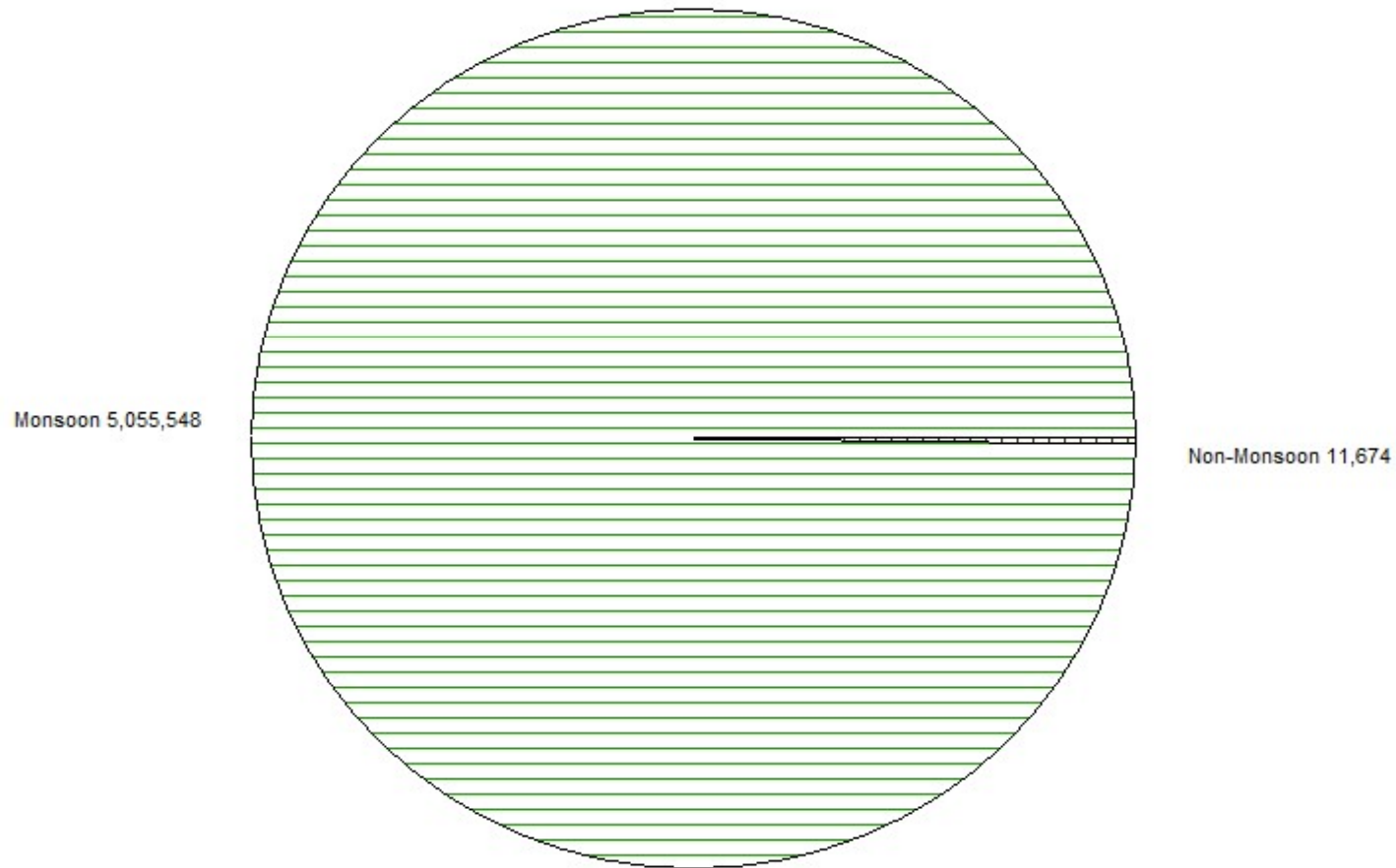
Division : Lower Godavari Div., Hyderabad
Sub-Division : Indravati SD, Jagdalpur



Seasonal Sediment Load for the Year: 2017-2018

Station Name : Pathagudem (AGG00B5)
Local River : Indravathi

Division : Lower Godavari Div., Hyderabad
Sub-Division : Indravati SD, Jagdalpur



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : INDRAVATI AT PATHAGUDEM CODE : AGG00B5
 MEASURING : LGDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 10-06-17)

Discharge Observed : 24.79 cumec Water edge RB : 490.00 m LB : 255.00 m
 Area of section : 108.35 sq.m MeanVelocity : 0.2288 m/sec
 Wetted perimeter : 235.02 m Hydraulic Mean Depth : 0.4610 m

Sl. No	R.D. of sampling point in meters	R.L. of bed in meters	Mean diameter in mm	Remarks
1	75	87.645	1.07	
2	165	87.455	1.16	Av.mean dia "m" = 1.63
3	240	86.765	0.89	
4	315	86.465	1.10	Silt factor
5	390	86.145	1.13	"f" = 1.76 $\sqrt{m}$
6	480	86.525	4.44	= 2.25

Note :
 i. Discharge observation was at station gauge line.
 ii. River bed : Flowing water.

Monsoon Survey (Date)

Discharge Observed : --- cumec Water edge RB : --- m LB : --- m
 Area of section : --- sq.m MeanVelocity : --- m/sec
 Wetted perimeter : --- m Hydraulic Mean Depth : --- m

Sl. No	R.D. of sampling point in meters	R.L. of bed in meters	Mean diameter in mm	Remarks
--------	----------------------------------	-----------------------	---------------------	---------

Survey not conducted

Note :

Postmonsoon Survey (Date 10-02-18)

Discharge Observed : 12.89 cumec Water edge RB : 495.00 m LB : 340.00 m
 Area of section : 56.20 sq.m MeanVelocity : 0.2294 m/sec
 Wetted perimeter : 155.02 m Hydraulic Mean Depth : 0.3625 m

Sl. No	R.D. of sampling point in meters	R.L. of bed in meters	Mean diameter in mm	Remarks
1	75	87.640	0.67	
2	165	87.840	1.62	Av.mean dia "m" = 1.41
3	240	87.470	1.62	
4	315	87.020	1.61	Silt factor
5	390	86.190	1.43	"f" = 1.76 $\sqrt{m}$
6	480	86.560	1.51	= 2.09

Note :
 i. Discharge observation was at station gauge line.
 ii. River bed : Flowing water.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: Jagdalpur	Code	: AGG00R9
State	: Chhattisgarh	District	Bastar
Basin	: Godavari	Independent River	: Godavari
Tributary	: Indravathi	Sub Tributary	: -
Sub-Sub Tributary	: -	Local River	: Indravathi
Division	: Lower Godavari Div., Hyderabad	Sub-Division	: Indravati SD, Jagdalpur
Drainage Area	: 7380 Sq. Km.	Bank	: Left
Latitude	: 19°06'30"	Longitude	: 82°01'30"
Zero of Gauge (m)	: 544.595 (m.s.l)	04/08/1964	- 31/12/1964
	: 532.507 (m.s.l)	01/01/1965	- 31/05/1968
	: 532.500 (m.s.l)	01/06/1968	- 31/05/1970
	: 532.501 (m.s.l)	01/06/1970	
Opening Date		Closing Date	
Gauge	: 04/08/1964		
Discharge	: 21/09/1965		
Sediment	: 21/09/1965		
Water Quality	: 01/12/1979		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Jagdalpur (AGG00R9)

Local River : Indravathi

Division : Lower Godavari Div., Hyderabad

Sub-Division : Indravati SD, Jagdalpur

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	39.68	0.000	0.000	0.161	0.161	550	129.2	0.002	0.002	0.334	0.338	3775
2	0.000	0.000	0.000	0.000	0.000	0	71.48	0.000	0.000	0.132	0.132	815	127.7	0.002	0.001	0.416	0.419	4627
3	0.000	0.000	0.000	0.000	0.000	0	46.74	0.000	0.000	0.231	0.231	934	115.3	0.000	0.000	0.288	0.288	2869
4	0.000	0.000	0.000	0.000	0.000	0	60.62	0.000	0.000	0.278	0.278	1456	172.3	0.000	0.000	0.493	0.493	7340
5	0.000	0.000	0.000	0.000	0.000	0	69.07	0.000	0.000	0.208	0.208	1241	122.9	0.000	0.000	0.643	0.643	6833
6	0.000	0.000	0.000	0.000	0.000	0	54.91	0.000	0.000	0.210	0.210	994	383.9	0.005	0.014	0.293	0.312	10344
7	0.000	0.000	0.000	0.000	0.000	0	41.16	0.000	0.000	0.288	0.288	1025	558.9	0.005	0.016	0.350	0.371	17900
8	0.000	0.000	0.000	0.000	0.000	0	46.76	0.000	0.000	0.108	0.108	436	261.7	0.005	0.016	0.450	0.470	10628
9	0.000	0.000	0.000	0.000	0.000	0	38.79	0.000	0.000	0.099	0.099	330	149.4	0.001	0.002	0.223	0.226	2923
10	0.000	0.000	0.000	0.000	0.000	0	24.38	0.000	0.000	0.163	0.163	342	139.8	0.000	0.000	0.247	0.247	2983
11	0.000	0.000	0.000	0.000	0.000	0	70.34	0.000	0.000	0.141	0.141	855	79.02	0.000	0.000	0.190	0.190	1297
12	0.000	0.000	0.000	0.000	0.000	0	48.71	0.000	0.000	0.540	0.540	2273	66.60	0.000	0.000	0.128	0.128	734
13	0.000	0.000	0.000	0.000	0.000	0	52.42	0.000	0.000	0.482	0.482	2182	77.23	0.000	0.000	0.137	0.137	913
14	0.000	0.000	0.000	0.000	0.000	0	29.15	0.000	0.000	0.355	0.355	895	166.5	0.000	0.000	0.211	0.211	3039
15	0.000	0.000	0.000	0.000	0.000	0	29.01	0.000	0.000	0.294	0.294	736	482.0	0.000	0.000	0.326	0.326	13592
16	0.000	0.000	0.000	0.000	0.000	0	50.99	0.000	0.000	0.112	0.112	495	189.1	0.004	0.005	0.211	0.220	3596
17	0.000	0.000	0.000	0.000	0.000	0	291.0	0.004	0.006	0.795	0.805	20242	151.6	0.000	0.000	0.136	0.136	1779
18	0.000	0.000	0.000	0.000	0.000	0	942.5	0.005	0.006	0.449	0.460	37443	296.0	0.003	0.014	0.400	0.417	10671
19	0.000	0.000	0.000	0.000	0.000	0	2118	0.006	0.009	0.659	0.674	123310	458.2	0.005	0.016	0.379	0.399	15797
20	0.000	0.000	0.000	0.000	0.000	0	2301	0.006	0.009	0.686	0.701	139303	676.2	0.005	0.008	0.383	0.397	23183
21	0.000	0.000	0.000	0.000	0.000	0	1464	0.005	0.009	0.553	0.567	71709	337.9	0.005	0.008	0.292	0.305	8910
22	0.000	0.000	0.000	0.000	0.000	0	219.3	0.005	0.009	0.362	0.376	7116	181.7	0.005	0.006	0.148	0.158	2482
23	122.9	0.000	0.000	0.100	0.100	1064	129.8	0.006	0.009	0.175	0.190	2128	113.6	0.000	0.000	0.149	0.149	1462
24	103.5	0.000	0.000	1.040	1.040	9304	87.28	0.006	0.005	0.242	0.253	1904	69.32	0.000	0.000	0.111	0.111	665
25	77.23	0.000	0.000	0.065	0.065	434	59.37	0.000	0.000	0.201	0.201	1032	110.4	0.000	0.000	0.162	0.162	1547
26	105.4	0.000	0.000	1.040	1.040	9469	55.92	0.000	0.000	0.194	0.194	939	163.8	0.000	0.000	0.387	0.387	5470
27	63.88	0.000	0.000	0.505	0.505	2785	58.71	0.000	0.000	0.135	0.135	685	329.3	0.005	0.002	0.272	0.280	7960
28	59.38	0.000	0.000	0.275	0.275	1408	87.30	0.000	0.000	0.241	0.241	1816	267.4	0.005	0.002	0.252	0.259	5985
29	56.51	0.000	0.000	0.263	0.263	1282	61.15	0.000	0.000	0.267	0.267	1409	1709	0.005	0.009	0.596	0.609	89903
30	38.50	0.000	0.000	0.151	0.151	501	52.84	0.000	0.000	0.218	0.218	995	1418	0.005	0.009	0.545	0.558	68379
31							56.80	0.000	0.000	0.218	0.218	1071	474.4	0.003	0.006	0.324	0.333	13658
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	49.36	0.000	0.000	0.188	0.188	812	216.1	0.002	0.005	0.374	0.381	7022
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	593.3	0.002	0.003	0.451	0.456	32773	264.2	0.002	0.004	0.250	0.256	7460
Ten Daily III	62.74	0.000	0.000	0.344	0.344	2625	212.1	0.002	0.003	0.255	0.260	8255	470.4	0.003	0.004	0.294	0.301	18765
Monthly																		
Total						26248						426661						351243

Annual Sediment Load (Metric Tonnes) : 924120

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Jagdalpur (AGG00R9)

Local River : Indravathi

Division : Lower Godavari Div., Hyderabad

Sub-Division : Indravati SD, Jagdalpur

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	191.0	0.000	0.000	0.153	0.153	2524	65.91	0.000	0.000	0.090	0.090	513	27.63	0.000	0.000	0.027	0.027	64
2	208.5	0.000	0.000	0.219	0.219	3951	65.91	0.000	0.000	0.090	0.090	513	23.66	0.000	0.000	0.027	0.027	55
3	155.2	0.000	0.000	0.191	0.191	2557	84.34	0.000	0.000	0.103	0.103	751	23.23	0.000	0.000	0.027	0.027	54
4	97.93	0.000	0.000	0.207	0.207	1750	72.23	0.000	0.000	0.140	0.140	874	20.40	0.000	0.000	0.027	0.027	47
5	123.5	0.000	0.000	0.186	0.186	1985	97.78	0.000	0.000	0.061	0.061	514	19.57	0.000	0.000	0.027	0.027	45
6	97.29	0.000	0.000	0.118	0.118	990	94.21	0.000	0.000	0.102	0.102	826	16.05	0.000	0.000	0.027	0.027	37
7	85.94	0.000	0.000	0.115	0.115	852	71.72	0.000	0.000	0.092	0.092	570	15.10	0.000	0.000	0.027	0.027	35
8	82.79	0.000	0.000	0.068	0.068	483	61.87	0.000	0.000	0.075	0.075	401	17.83	0.000	0.000	0.027	0.027	41
9	75.78	0.000	0.000	0.136	0.136	888	76.91	0.000	0.000	0.075	0.075	498	17.58	0.000	0.000	0.027	0.027	41
10	70.07	0.000	0.000	0.131	0.131	791	79.13	0.000	0.000	0.107	0.107	732	16.48	0.000	0.000	0.027	0.027	38
11	84.45	0.000	0.000	0.083	0.083	602	150.1	0.000	0.000	0.161	0.161	2086	0.000	0.000	0.000	0.000	0.000	0
12	65.38	0.000	0.000	0.082	0.082	463	121.9	0.000	0.000	0.106	0.106	1119	0.000	0.000	0.000	0.000	0.000	0
13	81.20	0.000	0.000	0.085	0.085	595	154.6	0.000	0.000	0.156	0.156	2077	0.000	0.000	0.000	0.000	0.000	0
14	201.7	0.005	0.007	0.520	0.531	9261	148.5	0.000	0.000	0.155	0.155	1988	0.000	0.000	0.000	0.000	0.000	0
15	230.2	0.006	0.009	0.282	0.296	5892	89.29	0.000	0.000	0.089	0.089	687	0.000	0.000	0.000	0.000	0.000	0
16	245.0	0.006	0.008	0.224	0.237	5018	80.74	0.000	0.000	0.086	0.086	600	0.000	0.000	0.000	0.000	0.000	0
17	154.3	0.006	0.008	0.190	0.203	2710	61.56	0.000	0.000	0.081	0.081	432	0.000	0.000	0.000	0.000	0.000	0
18	156.7	0.006	0.008	0.161	0.174	2359	54.76	0.000	0.000	0.065	0.065	308	0.000	0.000	0.000	0.000	0.000	0
19	173.4	0.005	0.008	0.126	0.139	2084	49.16	0.000	0.000	0.065	0.065	276	0.000	0.000	0.000	0.000	0.000	0
20	171.7	0.006	0.008	0.124	0.138	2041	36.55	0.000	0.000	0.037	0.037	116	0.000	0.000	0.000	0.000	0.000	0
21	361.2	0.006	0.008	1.290	1.304	40681	45.85	0.000	0.000	0.064	0.064	255	0.000	0.000	0.000	0.000	0.000	0
22	176.0	0.013	0.001	0.279	0.293	4456	52.84	0.000	0.000	0.064	0.064	294	0.000	0.000	0.000	0.000	0.000	0
23	94.19	0.000	0.000	0.154	0.154	1251	103.6	0.000	0.000	0.153	0.153	1371	0.000	0.000	0.000	0.000	0.000	0
24	68.67	0.000	0.000	0.080	0.080	475	96.28	0.000	0.000	0.163	0.163	1353	0.000	0.000	0.000	0.000	0.000	0
25	95.06	0.000	0.000	0.132	0.132	1084	69.64	0.000	0.000	0.108	0.108	647	0.000	0.000	0.000	0.000	0.000	0
26	111.5	0.000	0.000	0.080	0.080	771	56.06	0.000	0.000	0.077	0.077	374	0.000	0.000	0.000	0.000	0.000	0
27	82.82	0.000	0.000	0.097	0.097	693	42.87	0.000	0.000	0.080	0.080	296	0.000	0.000	0.000	0.000	0.000	0
28	89.49	0.000	0.000	0.081	0.081	625	42.39	0.000	0.000	0.051	0.051	185	0.000	0.000	0.000	0.000	0.000	0
29	75.06	0.000	0.000	0.113	0.113	730	31.44	0.000	0.000	0.028	0.028	76	0.000	0.000	0.000	0.000	0.000	0
30	71.48	0.000	0.000	0.011	0.011	68	34.17	0.000	0.000	0.028	0.028	83	0.000	0.000	0.000	0.000	0.000	0
31							31.14	0.000	0.000	0.027	0.027	72						
Ten Daily Mean																		
Ten Daily I	118.8	0.000	0.000	0.152	0.152	1677	77.00	0.000	0.000	0.093	0.093	619	19.75	0.000	0.000	0.027	0.027	46
Ten Daily II	156.4	0.004	0.005	0.188	0.197	3102	94.72	0.000	0.000	0.100	0.100	969	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	122.5	0.002	0.001	0.232	0.234	5083	55.12	0.000	0.000	0.077	0.077	455	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						98627						20884						457

Annual Sediment Load (Metric Tonnes) : 924120

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Jagdalpur (AGG00R9)

Local River : Indravathi

Division : Lower Godavari Div., Hyderabad

Sub-Division : Indravati SD, Jagdalpur

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) : 924120

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Jagdalpur (AGG00R9)

Local River : Indravathi

Division : Lower Godavari Div., Hyderabad

Sub-Division : Indravati SD, Jagdalpur

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) : 924120

Annual Sediment Load for period : 1969-2018**Station Name : Jagdalpur (AGG00R9)****Division : Lower Godavari Div., Hyderabad****Local River : Indravathi****Sub-Division : Indravati SD, Jagdalpur**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1969-1970	5668876	52178	5721054	5191
1970-1971	3378605	40443	3419048	4584
1971-1972	1885979	17538	1903517	3443
1972-1973	2939178	26870	2966048	3824
1973-1974	5099234	36250	5135484	4669
1974-1975	1728289	8600	1736890	1914
1975-1976	4261003	17471	4278474	4771
1976-1977	3644156	91811	3735967	4807
1977-1978	3791037	56429	3847466	5329
1978-1979	5545023	18930	5563953	5878
1979-1980	3941623	26079	3967702	3800
1980-1981	4859712	31969	4891681	5251
1981-1982	2608906	36253	2645159	2998
1982-1983	3141102	32511	3173613	2998
1983-1984	3262658	48158	3310816	3391
1984-1985	4514715	26233	4540948	4620
1985-1986	4300511	31947	4332458	4487
1986-1987	4319891	30741	4350633	3778
1987-1988	3099992	0	3099992	2202
1988-1989	1972089	0	1972089	2574
1989-1990	3755405	0	3755405	3957
1990-1991	4034175	18136	4052312	6988
1991-1992	3076911	9260	3086171	4735
1992-1993	3668277	14887	3683164	4437
1993-1994	2294280	10158	2304438	3100
1994-1995	4935161	76307	5011468	6073
1995-1996	2299328	8741	2308069	3655
1996-1997	1442719	28267	1470985	2470
1997-1998	1394868	77716	1472584	2964
1998-1999	1395682	1114	1396796	1330
1999-2000	1494669	225	1494894	2620
2000-2001	1561753	1431	1563184	2033
2001-2002	2803406	1024	2804430	3816
2002-2003	1247069	291	1247360	1167
2003-2004	3679985	334	3680319	3256
2004-2005	2034975	1377	2036352	2374
2005-2006	1626869	496	1627365	1805
2006-2007	5087262	0	5087262	3532
2007-2008	2828807	2215	2831022	3119
2008-2009	1197102	0	1197102	1868
2009-2010	929887	0	929887	1406
2010-2011	1425098	0	1425098	2841
2011-2012	604756	0	604756	1210
2012-2013	1702677	0	1702677	2405
2013-2014	2902555	0	2902555	2769
2014-2015	1696349	0	1696349	2482

Annual Sediment Load for period : 1969-2018

Station Name : Jagdalpur (AGG00R9)

Division : Lower Godavari Div., Hyderabad

Local River : Indravathi

Sub-Division : Indravati SD, Jagdalpur

2015-2016	5682792	0	5682792	2217
2016-2017	1338742	30208	1368950	2948
2017-2018	924120	0	924120	2235

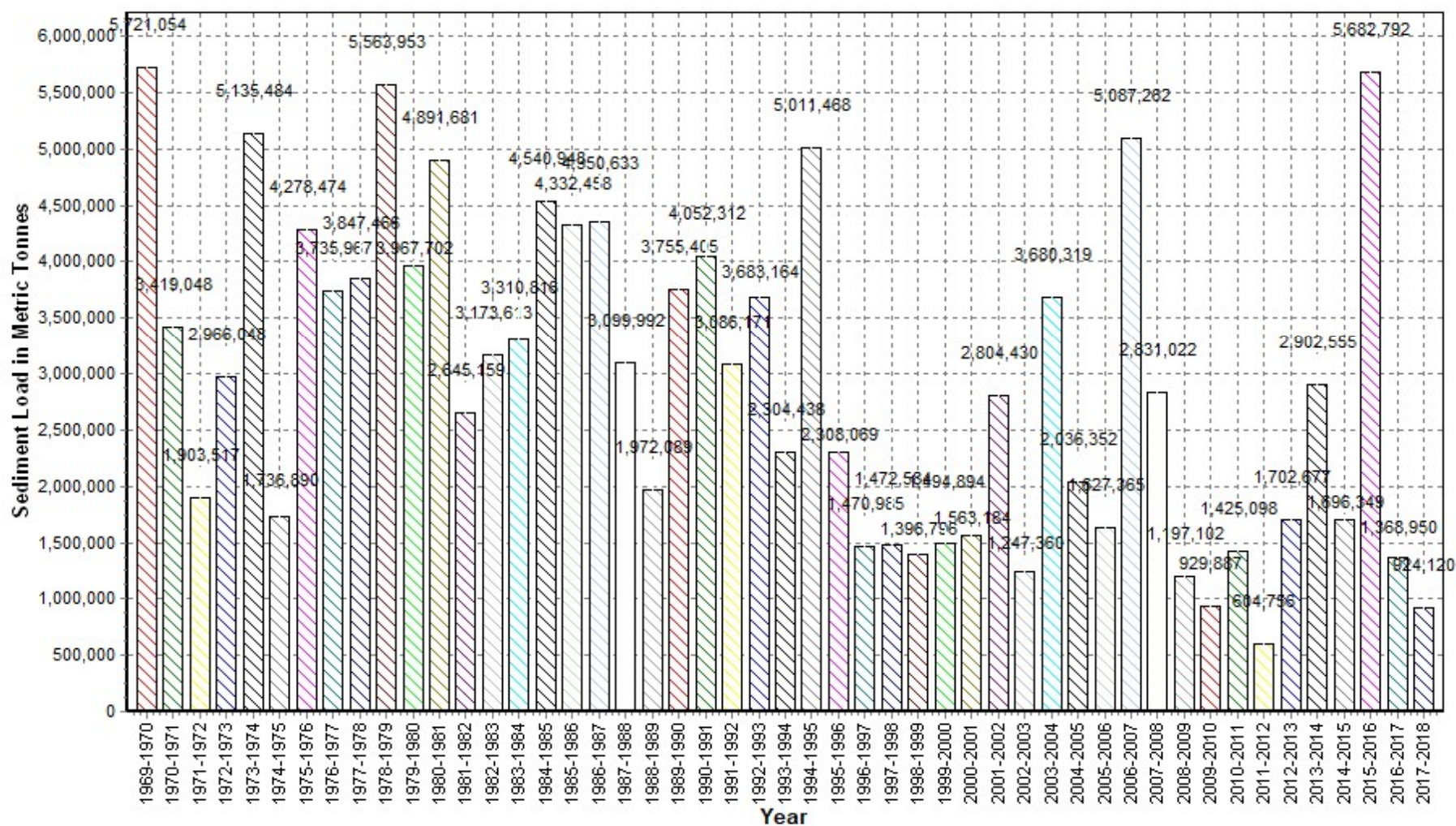
Annual Sediment Load for the period: 1969-2018

Station Name : Jagdalpur (AGG00R9)

Local River : Indravathi

Division : Lower Godavari Div., Hyderabad

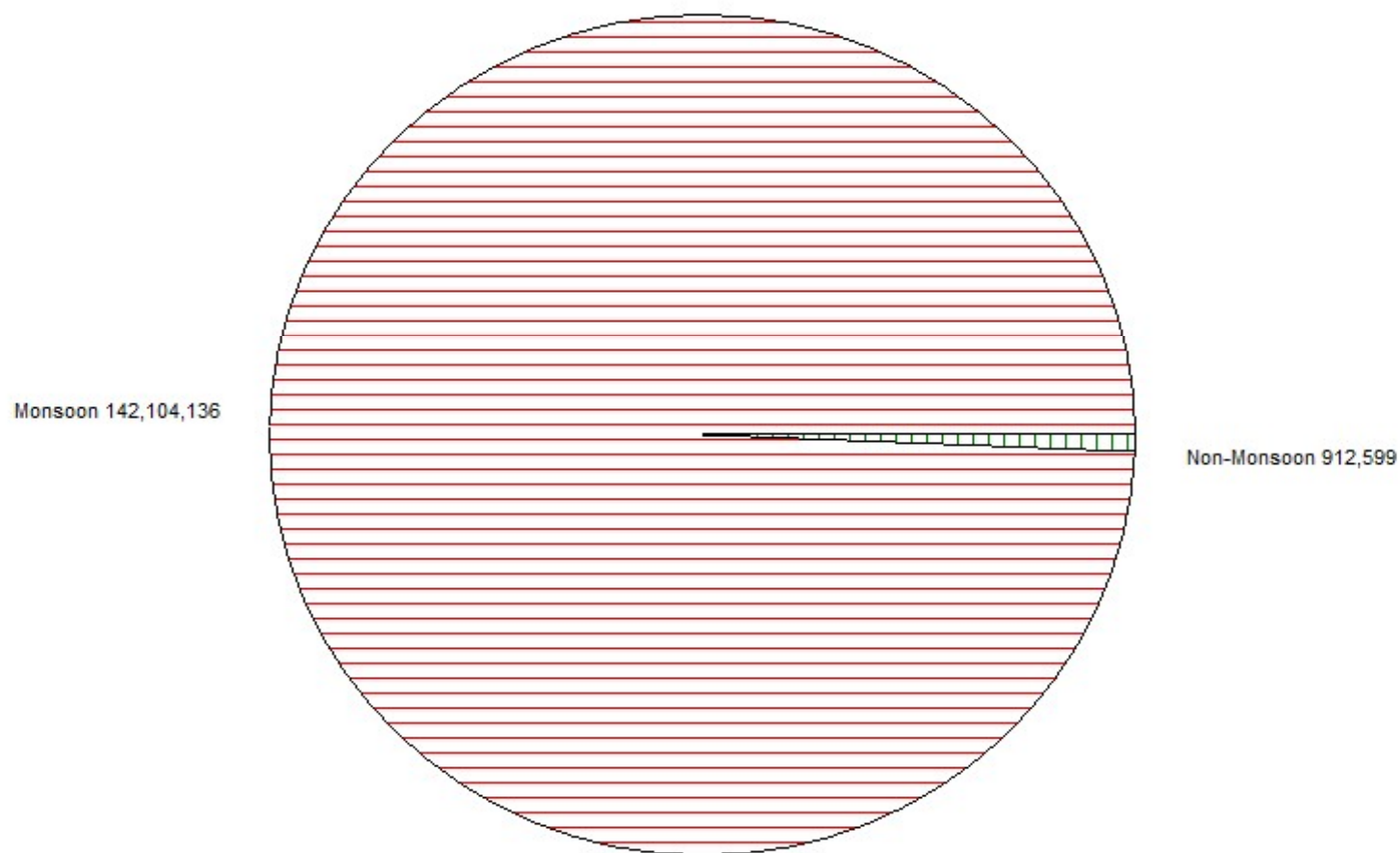
Sub-Division : Indravati SD, Jagdalpur



Station Name : Jagdalpur (AGG00R9)
Local River : Indravathi

Seasonal Sediment Load for the period : 1969-2017

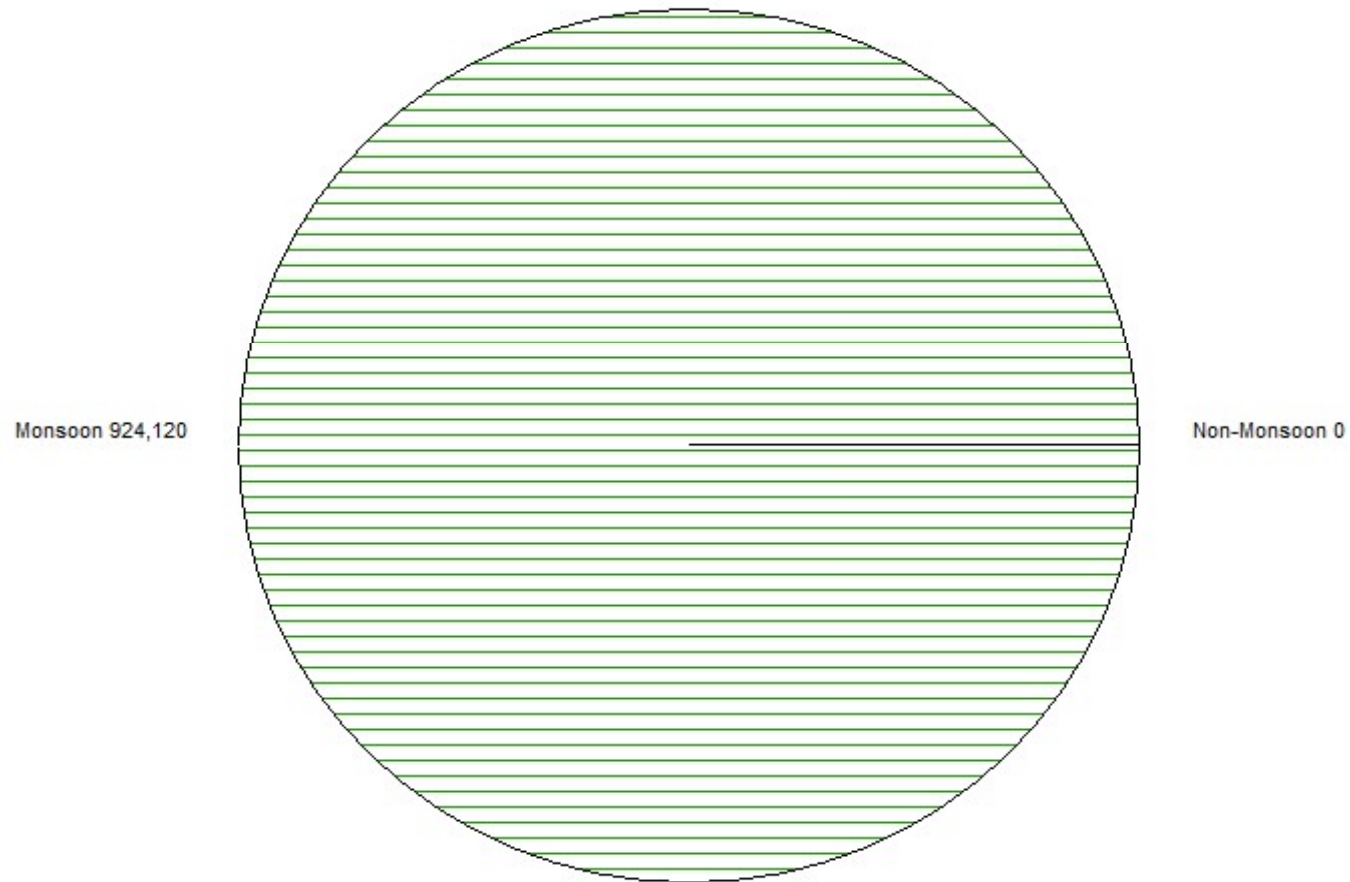
Division : Lower Godavari Div., Hyderabad
Sub-Division : Indravati SD, Jagdalpur



Seasonal Sediment Load for the Year: 2017-2018

Station Name : Jagdalpur (AGG00R9)
Local River : Indravathi

Division : Lower Godavari Div., Hyderabad
Sub-Division : Indravati SD, Jagdalpur



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : INDRAVATI AT JAGDALPUR CODE : AGG00R9
 MEASURING : LGDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :	---			---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :	---			---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	

Survey not conducted

Note :

Monsoon Survey (Date)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :	---			---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :	---			---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	

Survey not conducted

Note :

Postmonsoon Survey (Date 18-01-18)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :	---			---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :	---			---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	50		534.806		0.72			
2	110		533.416		0.72		Av.mean dia "m" = 0.72	
3	140		532.406		0.72		Silt factor	
							"f" =1.76 √m	
							= 1.49	

Note :
 i. Discharge observation was at station gauge line.
 ii. River bed : Stagnant Water.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: TEKRA	Code	: AGH00C4
State	: Maharashtra	District	Gadchiroli
Basin	: Godavari	Independent River	: Godavari
Tributary	: Pranhita	Sub Tributary	:
Sub-Sub Tributary	:	Local River	: Pranhita
Division	: Wainganga Div., Nagpur	Sub-Division	: L Wainganga SD, Chandrapur
Drainage Area	: 108780 Sq. Km.	Bank	: Left
Latitude	: 18°58'42"	Longitude	: 79°56'49"
Zero of Gauge (m)	: 95.090 (m.s.l)	01/06/1964	
	Opening Date	Closing Date	
Gauge	: 01/06/1964		
Discharge	: 15/07/1964		
Sediment	: 01/07/1965		
Water Quality	: 15/06/1966		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : TEKRA (AGH00C4)

Local River : Pranhita

Division : Wainganga Div., Nagpur

Sub-Division : L Wainganga SD, Chandrapur

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	53.20	0.000	0.000	0.001	0.001	2	232.4	0.006	0.000	0.014	0.019	386	792.1	0.008	0.010	0.022	0.040	2710
2	54.24	0.000	0.000	0.001	0.001	2	399.4	0.010	0.012	0.032	0.054	1864	696.5	0.007	0.009	0.030	0.046	2750
3	54.89	0.000	0.000	0.001	0.001	3	282.4	0.009	0.008	0.022	0.039	944	628.1	0.007	0.008	0.030	0.044	2404
4	48.25	0.000	0.000	0.001	0.001	2	265.4	0.006	0.006	0.015	0.027	626	521.5	0.006	0.006	0.029	0.041	1838
5	55.82	0.000	0.000	0.001	0.001	3	253.1	0.006	0.006	0.014	0.026	575	421.6	0.005	0.005	0.025	0.035	1275
6	59.38	0.000	0.000	0.001	0.001	3	230.5	0.006	0.005	0.013	0.024	480	354.6	0.005	0.005	0.022	0.032	974
7	79.14	0.000	0.000	0.001	0.001	4	208.0	0.004	0.005	0.012	0.021	383	342.9	0.004	0.004	0.020	0.028	833
8	92.91	0.000	0.000	0.001	0.001	5	195.3	0.000	0.000	0.005	0.005	76	343.8	0.004	0.004	0.020	0.028	823
9	102.2	0.000	0.000	0.001	0.001	6	182.0	0.000	0.000	0.004	0.004	55	297.1	0.003	0.003	0.020	0.027	683
10	93.84	0.000	0.000	0.001	0.001	5	190.4	0.000	0.000	0.004	0.004	67	282.7	0.003	0.003	0.025	0.031	762
11	113.3	0.000	0.000	0.005	0.005	49	197.4	0.000	0.000	0.005	0.005	77	4038	0.015	0.016	0.050	0.081	28260
12	86.18	0.000	0.000	0.004	0.004	30	219.0	0.000	0.000	0.006	0.006	114	3275	0.024	0.033	0.070	0.127	35847
13	84.17	0.000	0.000	0.004	0.004	25	267.1	0.003	0.005	0.018	0.026	593	2169	0.030	0.031	0.065	0.126	23608
14	83.80	0.000	0.000	0.003	0.003	25	193.5	0.000	0.000	0.012	0.012	201	1356	0.047	0.010	0.065	0.122	14276
15	81.47	0.000	0.000	0.003	0.003	21	222.9	0.002	0.004	0.007	0.012	239	1285	0.010	0.012	0.050	0.072	7992
16	86.34	0.000	0.000	0.004	0.004	27	554.4	0.003	0.004	0.030	0.037	1772	1106	0.009	0.010	0.036	0.055	5245
17	242.3	0.001	0.001	0.017	0.019	400	431.9	0.004	0.005	0.025	0.034	1276	865.5	0.005	0.006	0.025	0.036	2715
18	242.4	0.007	0.001	0.012	0.020	408	308.4	0.003	0.004	0.028	0.034	911	698.7	0.006	0.007	0.028	0.041	2481
19	191.9	0.000	0.000	0.015	0.015	249	1157	0.003	0.004	0.025	0.032	3198	679.6	0.006	0.007	0.040	0.052	3065
20	175.5	0.000	0.000	0.012	0.012	182	8743	0.004	0.005	0.300	0.309	233039	965.6	0.008	0.009	0.050	0.067	5548
21	167.1	0.000	0.000	0.010	0.010	144	4125	0.004	0.004	0.220	0.228	81189	1243	0.015	0.026	0.066	0.107	11451
22	197.6	0.000	0.000	0.011	0.011	188	2664	0.014	0.023	0.162	0.199	45832	2641	0.038	0.034	0.120	0.192	43861
23	189.0	0.000	0.000	0.010	0.010	163	2190	0.010	0.015	0.130	0.155	29331	1491	0.019	0.025	0.070	0.114	14636
24	158.3	0.000	0.000	0.009	0.009	116	1904	0.014	0.020	0.117	0.151	24780	1116	0.013	0.014	0.043	0.070	6758
25	133.4	0.000	0.000	0.004	0.004	46	1694	0.010	0.012	0.111	0.133	19507	875.3	0.010	0.011	0.038	0.059	4462
26	159.7	0.000	0.000	0.005	0.005	69	1298	0.014	0.015	0.120	0.149	16682	812.3	0.011	0.012	0.037	0.060	4225
27	180.0	0.000	0.000	0.008	0.008	124	1146	0.011	0.019	0.124	0.153	15174	772.7	0.011	0.012	0.032	0.055	3672
28	234.6	0.003	0.003	0.004	0.010	203	1097	0.010	0.012	0.100	0.122	11560	1052	0.011	0.017	0.044	0.072	6574
29	216.9	0.002	0.003	0.002	0.007	124	844.3	0.009	0.010	0.030	0.049	3567	2535	0.017	0.021	0.059	0.097	21134
30	186.3	0.000	0.000	0.006	0.006	89	738.4	0.006	0.007	0.040	0.053	3349	2013	0.010	0.010	0.037	0.057	9950
31							932.8	0.009	0.010	0.053	0.072	5787	2044	0.014	0.015	0.043	0.072	12624
Ten Daily Mean																		
Ten Daily I	69.39	0.000	0.000	0.001	0.001	4	243.9	0.005	0.004	0.013	0.022	546	468.1	0.005	0.006	0.024	0.035	1505
Ten Daily II	138.7	0.001	0.000	0.008	0.009	142	1229	0.002	0.003	0.045	0.051	24142	1644	0.016	0.014	0.048	0.078	12904
Ten Daily III	182.3	0.000	0.001	0.007	0.008	127	1694	0.010	0.013	0.110	0.133	23342	1509	0.015	0.018	0.054	0.087	12668
Monthly																		
Total						2717						503635						283434

Annual Sediment Load (Metric Tonnes) : 1222599

Page No 51

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : TEKRA (AGH00C4)

Local River : Pranhita

Division : Wainganga Div., Nagpur

Sub-Division : L Wainganga SD, Chandrapur

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	4884	0.020	0.021	0.065	0.106	44729	972.2	0.005	0.006	0.020	0.031	2562	278.9	0.001	0.000	0.004	0.005	125
2	3599	0.020	0.021	0.050	0.091	28144	820.1	0.004	0.005	0.015	0.024	1679	255.6	0.001	0.000	0.003	0.004	97
3	2414	0.020	0.020	0.040	0.080	16579	727.1	0.003	0.005	0.012	0.020	1231	233.3	0.001	0.000	0.003	0.004	77
4	1683	0.012	0.012	0.038	0.061	8913	594.8	0.002	0.002	0.013	0.016	843	217.2	0.001	0.000	0.003	0.004	68
5	1348	0.011	0.012	0.036	0.059	6860	634.5	0.001	0.002	0.012	0.015	817	212.9	0.001	0.000	0.003	0.004	64
6	1224	0.007	0.008	0.026	0.040	4272	562.8	0.001	0.002	0.009	0.012	588	217.3	0.001	0.000	0.003	0.003	58
7	972.2	0.007	0.007	0.020	0.034	2856	497.4	0.001	0.001	0.007	0.010	408	199.9	0.001	0.000	0.002	0.003	45
8	952.4	0.007	0.007	0.018	0.032	2608	570.5	0.001	0.001	0.007	0.010	468	193.7	0.001	0.000	0.002	0.003	42
9	796.2	0.007	0.007	0.014	0.028	1905	598.2	0.001	0.001	0.008	0.010	522	186.1	0.000	0.000	0.002	0.003	42
10	620.2	0.007	0.007	0.014	0.027	1452	525.1	0.001	0.001	0.008	0.010	458	181.9	0.000	0.000	0.002	0.002	35
11	463.2	0.006	0.010	0.017	0.033	1329	595.0	0.002	0.002	0.016	0.020	1028	177.1	0.000	0.000	0.002	0.002	32
12	404.3	0.006	0.010	0.020	0.036	1244	690.2	0.002	0.003	0.016	0.020	1217	168.3	0.000	0.000	0.002	0.002	31
13	389.6	0.006	0.002	0.009	0.018	596	911.1	0.014	0.019	0.054	0.087	6817	154.4	0.000	0.000	0.002	0.002	24
14	1032	0.010	0.010	0.027	0.048	4245	651.4	0.001	0.017	0.045	0.063	3557	144.0	0.000	0.000	0.002	0.002	22
15	1230	0.007	0.007	0.023	0.037	3962	609.6	0.001	0.016	0.030	0.047	2486	141.9	0.000	0.000	0.002	0.002	22
16	1414	0.008	0.008	0.028	0.043	5267	579.1	0.001	0.016	0.026	0.043	2161	137.7	0.000	0.000	0.002	0.002	20
17	1517	0.008	0.008	0.032	0.047	6185	565.8	0.001	0.014	0.022	0.037	1818	134.6	0.000	0.000	0.002	0.002	19
18	1690	0.014	0.018	0.044	0.076	11025	495.0	0.001	0.012	0.018	0.031	1330	129.5	0.000	0.000	0.002	0.002	22
19	1676	0.012	0.013	0.035	0.060	8644	485.6	0.001	0.010	0.014	0.025	1053	118.4	0.000	0.000	0.002	0.002	19
20	1578	0.010	0.013	0.036	0.059	8042	443.2	0.001	0.001	0.012	0.014	536	112.7	0.000	0.000	0.002	0.002	18
21	1461	0.009	0.011	0.033	0.053	6702	411.1	0.001	0.009	0.012	0.022	785	112.4	0.000	0.000	0.002	0.002	20
22	1678	0.012	0.012	0.036	0.060	8626	413.9	0.001	0.005	0.009	0.015	522	108.3	0.000	0.000	0.002	0.002	19
23	3085	0.037	0.051	0.136	0.224	59786	395.8	0.001	0.001	0.008	0.010	328	99.93	0.000	0.000	0.002	0.002	15
24	3484	0.035	0.045	0.130	0.210	63207	389.6	0.001	0.001	0.008	0.009	306	98.18	0.000	0.000	0.002	0.002	14
25	3133	0.035	0.036	0.116	0.187	50585	385.5	0.001	0.000	0.007	0.008	280	98.16	0.000	0.000	0.002	0.002	14
26	2053	0.012	0.012	0.049	0.073	12876	365.0	0.001	0.000	0.007	0.008	262	94.90	0.000	0.000	0.001	0.001	11
27	1447	0.011	0.012	0.044	0.067	8404	342.7	0.001	0.000	0.007	0.008	246	95.52	0.000	0.000	0.001	0.001	12
28	1181	0.010	0.012	0.040	0.062	6274	329.5	0.001	0.000	0.007	0.008	236	89.16	0.000	0.000	0.001	0.001	9
29	1125	0.010	0.011	0.032	0.052	5037	306.0	0.001	0.000	0.007	0.008	219	86.94	0.000	0.000	0.001	0.001	9
30	1075	0.006	0.006	0.024	0.036	3317	290.0	0.001	0.000	0.006	0.007	180	84.90	0.000	0.000	0.001	0.001	9
31							295.5	0.001	0.000	0.006	0.007	184						
Ten Daily Mean																		
Ten Daily I	1849	0.012	0.012	0.032	0.056	11832	650.3	0.002	0.003	0.011	0.016	958	217.7	0.001	0.000	0.003	0.003	65
Ten Daily II	1139	0.009	0.010	0.027	0.046	5054	602.6	0.003	0.011	0.025	0.039	2200	141.8	0.000	0.000	0.002	0.002	23
Ten Daily III	1972	0.018	0.021	0.064	0.102	22482	356.8	0.001	0.002	0.008	0.010	323	96.84	0.000	0.000	0.002	0.002	13
Monthly																		
Total						393673						35130						1014

Annual Sediment Load (Metric Tonnes) : 1222599

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : TEKRA (AGH00C4)

Local River : Pranhita

Division : Wainganga Div., Nagpur

Sub-Division : L Wainganga SD, Chandrapur

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	89.62	0.000	0.000	0.002	0.002	15	83.38	0.000	0.000	0.005	0.005	32	73.29	0.000	0.000	0.004	0.004	23
2	82.26	0.000	0.000	0.002	0.002	13	86.11	0.000	0.000	0.004	0.004	33	70.77	0.000	0.000	0.003	0.003	20
3	87.74	0.000	0.000	0.002	0.002	14	86.64	0.000	0.000	0.004	0.004	30	70.59	0.000	0.000	0.003	0.003	18
4	80.32	0.000	0.000	0.002	0.002	12	95.11	0.000	0.000	0.005	0.005	43	56.41	0.000	0.000	0.003	0.003	12
5	80.31	0.000	0.000	0.002	0.002	12	93.59	0.000	0.000	0.005	0.005	41	52.46	0.000	0.000	0.002	0.002	10
6	79.79	0.000	0.000	0.002	0.002	12	91.96	0.000	0.000	0.005	0.005	40	52.46	0.000	0.000	0.003	0.003	12
7	78.42	0.000	0.000	0.002	0.002	12	85.46	0.000	0.000	0.004	0.004	30	52.46	0.000	0.000	0.003	0.003	13
8	77.27	0.000	0.000	0.002	0.002	11	121.2	0.000	0.000	0.006	0.006	59	83.74	0.000	0.000	0.006	0.006	41
9	74.10	0.000	0.000	0.002	0.002	11	132.7	0.000	0.000	0.006	0.006	69	91.95	0.000	0.000	0.006	0.006	48
10	74.48	0.000	0.000	0.002	0.002	11	129.6	0.000	0.000	0.005	0.005	58	92.34	0.000	0.000	0.006	0.006	49
11	72.58	0.000	0.000	0.002	0.002	11	123.9	0.000	0.000	0.005	0.005	51	91.81	0.000	0.000	0.006	0.006	50
12	70.89	0.000	0.000	0.002	0.002	10	121.4	0.000	0.000	0.004	0.004	43	90.78	0.000	0.000	0.006	0.006	49
13	67.28	0.000	0.000	0.002	0.002	10	120.4	0.000	0.000	0.004	0.004	42	88.70	0.000	0.000	0.006	0.006	46
14	66.77	0.000	0.000	0.002	0.002	10	124.4	0.000	0.000	0.006	0.006	67	85.22	0.000	0.000	0.006	0.006	41
15	64.66	0.000	0.000	0.002	0.002	9	119.4	0.000	0.000	0.006	0.006	63	85.60	0.000	0.000	0.006	0.006	42
16	62.15	0.000	0.000	0.002	0.002	9	118.3	0.000	0.000	0.006	0.006	60	84.65	0.000	0.000	0.006	0.006	42
17	69.90	0.000	0.000	0.002	0.002	13	107.8	0.000	0.000	0.006	0.006	52	83.27	0.000	0.000	0.006	0.006	40
18	71.66	0.000	0.000	0.002	0.002	14	103.3	0.000	0.000	0.005	0.005	48	87.03	0.000	0.000	0.006	0.006	47
19	71.08	0.000	0.000	0.002	0.002	14	101.1	0.000	0.000	0.005	0.005	47	84.32	0.000	0.000	0.006	0.006	44
20	75.46	0.000	0.000	0.002	0.002	16	95.31	0.000	0.000	0.005	0.005	42	89.06	0.000	0.000	0.007	0.007	50
21	72.20	0.000	0.000	0.003	0.003	16	82.34	0.000	0.000	0.005	0.005	34	85.90	0.000	0.000	0.006	0.006	45
22	70.06	0.000	0.000	0.003	0.003	16	83.89	0.000	0.000	0.005	0.005	36	93.43	0.000	0.000	0.007	0.007	54
23	70.17	0.000	0.000	0.003	0.003	16	80.26	0.000	0.000	0.005	0.005	33	95.06	0.000	0.000	0.007	0.007	57
24	70.47	0.000	0.000	0.003	0.003	18	80.32	0.000	0.000	0.005	0.005	31	85.46	0.000	0.000	0.006	0.006	46
25	70.47	0.000	0.000	0.003	0.003	19	78.32	0.000	0.000	0.004	0.004	28	77.76	0.000	0.000	0.004	0.004	24
26	70.18	0.000	0.000	0.004	0.004	22	64.63	0.000	0.000	0.004	0.004	22	50.37	0.000	0.000	0.002	0.002	8
27	70.11	0.000	0.000	0.004	0.004	24	76.16	0.000	0.000	0.004	0.004	28	49.92	0.000	0.000	0.002	0.002	8
28	77.03	0.000	0.000	0.004	0.004	28	61.84	0.000	0.000	0.004	0.004	22	48.10	0.000	0.000	0.002	0.002	7
29	77.71	0.000	0.000	0.005	0.005	30	77.34	0.000	0.000	0.004	0.004	27						
30	84.96	0.000	0.000	0.005	0.005	36	74.48	0.000	0.000	0.004	0.004	24						
31	77.41	0.000	0.000	0.005	0.005	30	72.77	0.000	0.000	0.004	0.004	23						
Ten Daily Mean																		
Ten Daily I	80.43	0.000	0.000	0.002	0.002	12	100.6	0.000	0.000	0.005	0.005	43	69.65	0.000	0.000	0.004	0.004	25
Ten Daily II	69.24	0.000	0.000	0.002	0.002	11	113.5	0.000	0.000	0.005	0.005	52	87.04	0.000	0.000	0.006	0.006	45
Ten Daily III	73.71	0.000	0.000	0.004	0.004	23	75.67	0.000	0.000	0.004	0.004	28	73.25	0.000	0.000	0.004	0.004	31
Monthly																		
Total						495						1259						946

Annual Sediment Load (Metric Tonnes) : 1222599

Page No 53

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : TEKRA (AGH00C4)

Local River : Pranhita

Division : Wainganga Div., Nagpur

Sub-Division : L Wainganga SD, Chandrapur

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	45.58	0.000	0.000	0.002	0.002	7	27.07	0.000	0.000	0.002	0.002	4	11.98	0.000	0.000	0.001	0.001	1
2	55.08	0.000	0.000	0.003	0.003	14	26.93	0.000	0.000	0.002	0.002	3	11.76	0.000	0.000	0.001	0.001	1
3	46.01	0.000	0.000	0.002	0.002	8	25.90	0.000	0.000	0.002	0.002	3	12.52	0.000	0.000	0.001	0.001	1
4	49.89	0.000	0.000	0.003	0.003	11	25.26	0.000	0.000	0.002	0.002	3	13.80	0.000	0.000	0.001	0.001	2
5	45.70	0.000	0.000	0.002	0.002	6	25.37	0.000	0.000	0.002	0.002	3	13.68	0.000	0.000	0.001	0.001	2
6	44.02	0.000	0.000	0.002	0.002	6	25.28	0.000	0.000	0.002	0.002	3	15.78	0.000	0.000	0.002	0.002	2
7	43.47	0.000	0.000	0.002	0.002	6	25.54	0.000	0.000	0.002	0.002	3	13.87	0.000	0.000	0.001	0.001	2
8	43.42	0.000	0.000	0.002	0.002	6	26.99	0.000	0.000	0.002	0.002	4	13.76	0.000	0.000	0.001	0.001	2
9	39.93	0.000	0.000	0.002	0.002	5	27.74	0.000	0.000	0.002	0.002	4	14.60	0.000	0.000	0.001	0.001	2
10	39.62	0.000	0.000	0.002	0.002	5	26.87	0.000	0.000	0.002	0.002	3	14.32	0.000	0.000	0.001	0.001	2
11	37.81	0.000	0.000	0.001	0.001	5	26.23	0.000	0.000	0.002	0.002	3	13.99	0.000	0.000	0.001	0.001	2
12	37.81	0.000	0.000	0.001	0.001	5	25.79	0.000	0.000	0.002	0.002	3	13.76	0.000	0.000	0.001	0.001	2
13	39.19	0.000	0.000	0.002	0.002	6	25.19	0.000	0.000	0.002	0.002	3	10.73	0.000	0.000	0.001	0.001	1
14	38.25	0.000	0.000	0.002	0.002	6	23.48	0.000	0.000	0.001	0.001	3	13.57	0.000	0.000	0.001	0.001	2
15	34.81	0.000	0.000	0.002	0.002	5	23.48	0.000	0.000	0.001	0.001	3	12.23	0.000	0.000	0.001	0.001	1
16	34.20	0.000	0.000	0.002	0.002	5	25.36	0.000	0.000	0.001	0.001	3	11.39	0.000	0.000	0.001	0.001	1
17	34.14	0.000	0.000	0.002	0.002	5	25.19	0.000	0.000	0.001	0.001	3	10.44	0.000	0.000	0.001	0.001	1
18	35.55	0.000	0.000	0.002	0.002	5	24.82	0.000	0.000	0.001	0.001	3	10.44	0.000	0.000	0.001	0.001	1
19	33.24	0.000	0.000	0.002	0.002	5	24.29	0.000	0.000	0.001	0.001	3	9.734	0.000	0.000	0.001	0.001	1
20	33.21	0.000	0.000	0.002	0.002	5	23.40	0.000	0.000	0.001	0.001	3	10.73	0.000	0.000	0.001	0.001	1
21	33.69	0.000	0.000	0.002	0.002	5	22.88	0.000	0.000	0.001	0.001	3	9.674	0.000	0.000	0.001	0.001	1
22	32.64	0.000	0.000	0.002	0.002	5	20.22	0.000	0.000	0.001	0.001	2	9.630	0.000	0.000	0.001	0.001	1
23	31.96	0.000	0.000	0.002	0.002	4	22.63	0.000	0.000	0.002	0.002	3	9.585	0.000	0.000	0.001	0.001	1
24	31.28	0.000	0.000	0.002	0.002	4	22.52	0.000	0.000	0.002	0.002	3	9.448	0.000	0.000	0.001	0.001	1
25	32.27	0.000	0.000	0.002	0.002	5	12.87	0.000	0.000	0.001	0.001	1	9.419	0.000	0.000	0.001	0.001	1
26	30.09	0.000	0.000	0.002	0.002	4	13.18	0.000	0.000	0.001	0.001	1	9.230	0.000	0.000	0.001	0.001	1
27	29.76	0.000	0.000	0.002	0.002	4	13.20	0.000	0.000	0.001	0.001	1	10.73	0.000	0.000	0.001	0.001	1
28	29.53	0.000	0.000	0.002	0.002	4	12.49	0.000	0.000	0.001	0.001	1	11.77	0.000	0.000	0.001	0.001	1
29	29.10	0.000	0.000	0.002	0.002	4	14.43	0.000	0.000	0.001	0.001	1	15.78	0.000	0.000	0.001	0.001	2
30	29.10	0.000	0.000	0.002	0.002	4	13.14	0.000	0.000	0.001	0.001	1	15.78	0.000	0.000	0.001	0.001	2
31	27.92	0.000	0.000	0.002	0.002	4							45.85	0.000	0.000	0.001	0.001	4
Ten Daily Mean																		
Ten Daily I	45.27	0.000	0.000	0.002	0.002	7	26.30	0.000	0.000	0.002	0.002	3	13.61	0.000	0.000	0.001	0.001	2
Ten Daily II	35.82	0.000	0.000	0.002	0.002	5	24.72	0.000	0.000	0.001	0.001	3	11.70	0.000	0.000	0.001	0.001	1
Ten Daily III	30.67	0.000	0.000	0.002	0.002	4	16.75	0.000	0.000	0.001	0.001	2	14.26	0.000	0.000	0.001	0.001	1
Monthly																		
Total						174						83						39

Annual Sediment Load (Metric Tonnes) : 1222599

Page No 54

Annual Sediment Load for period : 1969-2018**Station Name : TEKRA (AGH00C4)****Division : Wainganga Div., Nagpur****Local River : Pranhita****Sub-Division : L Wainganga SD, Chandrapur**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1969-1970	62494396	6217	62500613	36220
1970-1971	88529464	11028	88540492	56396
1971-1972	24714798	2523	24717321	23471
1972-1973	16121747	4034	16125781	17693
1973-1974	112018038	10418	112028457	60190
1974-1975	60414428	7666	60422094	22736
1975-1976	84015259	12567	84027826	55862
1976-1977	69577357	17812	69595169	42239
1977-1978	51737402	155140	51892543	38744
1978-1979	52818032	228996	53047028	52764
1979-1980	51790767	12168	51802935	36937
1980-1981	65823471	16410	65839882	44412
1981-1982	133859842	15987	133875829	51305
1982-1983	24392836	16828	24409664	20735
1983-1984	101439531	4715	101444245	61585
1984-1985	24717124	4526	24721650	23781
1985-1986	27105050	26020	27131069	24768
1986-1987	136530144	12719	136542863	48098
1987-1988	9069836	396	9070232	10962
1988-1989	87984368	1305	87985673	53413
1989-1990	34256372	326	34256698	27588
1990-1991	74540329	4951	74545280	62727
1991-1992	12235854	833	12236687	20226
1992-1993	52588300	951	52589251	38457
1993-1994	15112082	4447	15116528	22819
1994-1995	124065607	19014	124084621	78814
1995-1996	40295837	925	40296762	31392
1996-1997	9658822	2581	9661403	15161
1997-1998	11660395	51125	11711520	22774
1998-1999	20347266	2396	20349662	32076
1999-2000	55401924	4453	55406378	42278
2000-2001	50188168	0	50188168	31887
2001-2002	19763148	533	19763681	26849
2002-2003	32158429	7180	32165609	25238
2003-2004	34329761	5072	34334833	31490
2004-2005	4009638	14614	4024252	12107
2005-2006	27786476	7787	27794263	39893
2006-2007	50732195	9256	50741450	46469
2007-2008	45513452	19256	45532708	37967
2008-2009	15196574	524	15197098	19230
2009-2010	6722858	5921	6728780	12845
2010-2011	20409956	45242	20455198	45560
2011-2012	31396550	22034	31418584	28731
2012-2013	34260233	7440	34267673	37489
2013-2014	76577700	31383	76609083	85185
2014-2015	6599219	6710	6605929	20833

Annual Sediment Load for period : 1969-2018

Station Name : TEKRA (AGH00C4)

Division : Wainganga Div., Nagpur

Local River : Pranhita

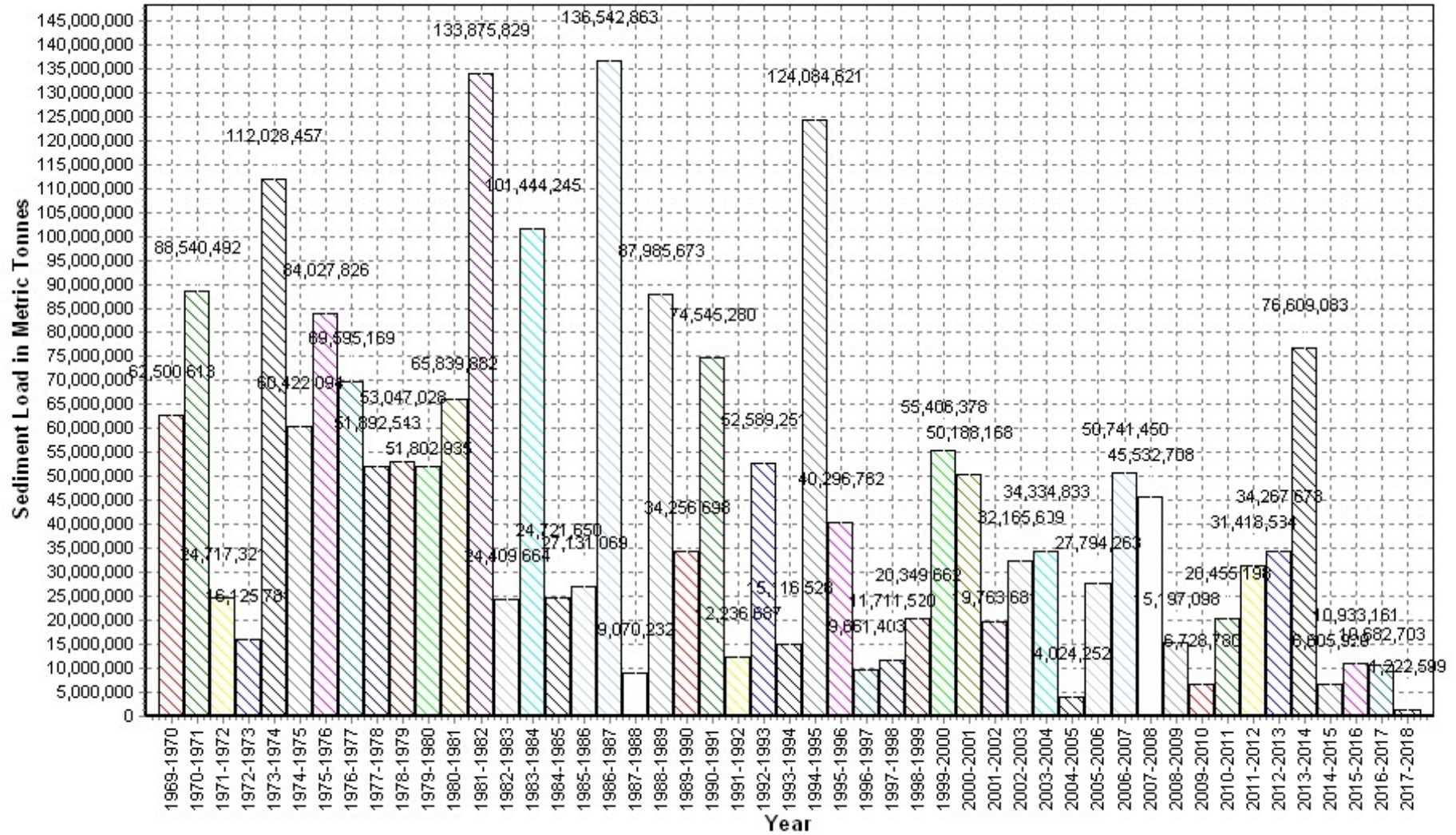
Sub-Division : L Wainganga SD, Chandrapur

2015-2016	10931123	2038	10933161	20904
2016-2017	10676951	5752	10682703	32726
2017-2018	1219603	2995	1222599	13416

Annual Sediment Load for the period: 1969-2018

Station Name : TEKRA (AGH00C4)
Local River : Pranhita

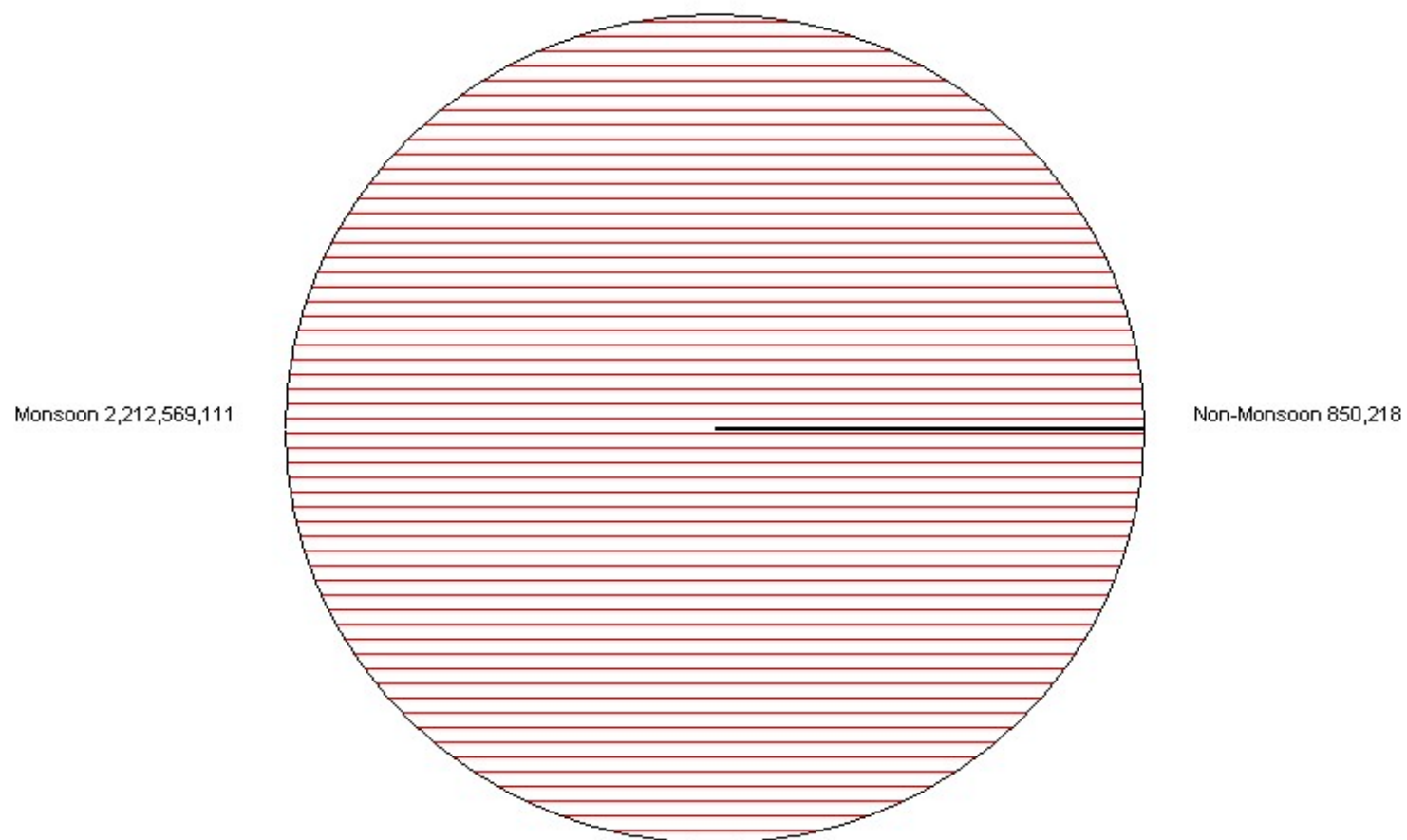
Division : Wainganga Div., Nagpur
Sub-Division : L Wainganga SD, Chandrapur



Station Name : TEKRA (AGH00C4)
Local River : Pranhita

Seasonal Sediment Load for the period : 1969-2017

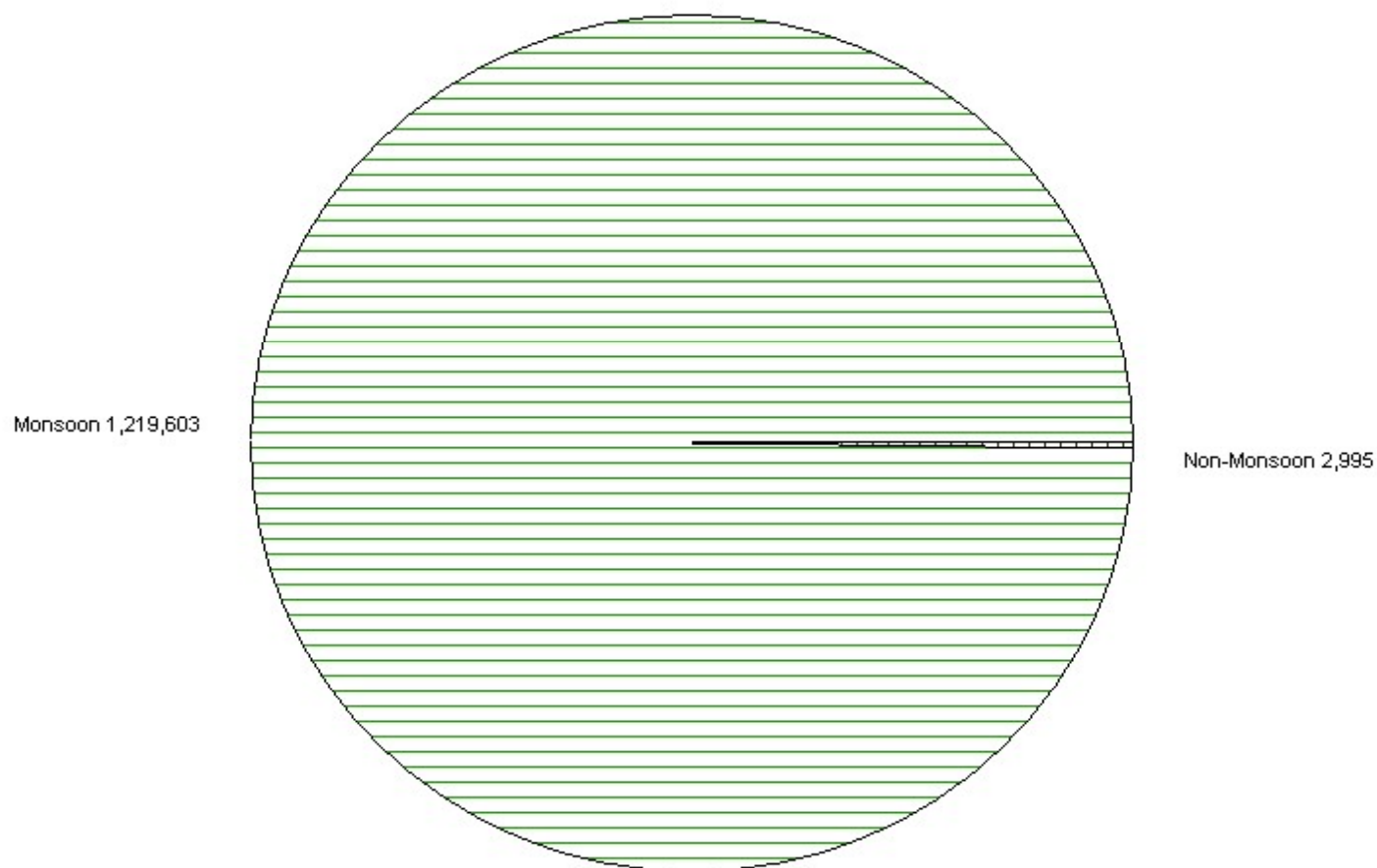
Division : Wainganga Div., Nagpur
Sub-Division : L Wainganga SD, Chandrapur



Station Name : TEKRA (AGH00C4)
Local River : Pranhita

Seasonal Sediment Load for the Year: 2017-2018

Division : Wainganga Div., Nagpur
Sub-Division : L Wainganga SD, Chandrapur



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : PRANHITA AT TEKRA
 MEASURING : WDN
 AUTHORITY

CODE : AGH00C4
 CROSS SECTION : Station gauge line

Premonsoon Survey (Date 09-05-17)

Discharge Observed :	41.079	cumec	Water edge RB :	570.00	m	LB :	436.00	m
Area of section :	80.0	sq.m	MeanVelocity :				0.5135	m/sec
Wetted perimeter :	134.0	m	Hydraulic Mean Depth :				0.5970	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	120		102.415	2.75				
2	240		101.160	1.51		Av.mean dia "m" = 1.93		
3	360		99.495	1.36				
4	480		95.930	1.80		Silt factor		
5	600		96.900	2.23		"f" =1.76 $\sqrt{m}$		
6	720		97.875	1.92		= 2.45		

Note : i) Discharge observation was at station gauge line.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

Monsoon Survey (Date 02-11-17)

Discharge Observed :	255.581	cumec	Water edge RB :	616.00	m	LB :	400.00	m
				926.00	m		720.0	m
Area of section :	389.7	sq.m	MeanVelocity :				0.6558	m/sec
Wetted perimeter :	422.0	m	Hydraulic Mean Depth :				0.9235	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	120		102.645	1.98				
2	240		101.570	1.64		Av.mean dia "m" = 1.39		
3	360		99.125	1.41				
4	480		96.950	1.09		Silt factor		
5	600		97.940	1.36		"f" =1.76 $\sqrt{m}$		
6	720		98.170	0.88		= 2.08		

Note : i) Discharge observation was at station gauge line.
 ii) River bed : flowing water.
 iii) Water flows in single channel.

Postmonsoon Survey (Date 03-01-18)

Discharge Observed :	86.638	cumec	Water edge RB :	553.00	m	LB :	413.00	m
Area of section :	107.98	sq.m	MeanVelocity :				0.8024	m/sec
Wetted perimeter :	140.00	m	Hydraulic Mean Depth :				0.7713	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	120		102.515	1.81				
2	240		101.690	1.82		Av.mean dia "m" = 1.46		
3	360		99.310	1.35				
4	480		96.500	1.21		Silt factor		
5	600		97.825	2.48		"f" =1.76 $\sqrt{m}$		
6	720		98.170	1.11		= 2.13		

Note : i) Discharge observation was at station gauge line.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: BHATPALLI	Code	: AGH10L0
State	: Andhra Pradesh	District	Adilabad
Basin	: Godavari	Independent River	: Godavari
Tributary	: Pranhita	Sub Tributary	: Wardha
Sub-Sub Tributary	: -	Local River	: Peddavagu
Division	: Wainganga Div., Nagpur	Sub-Division	: Wardha SD, Chandrapur
Drainage Area	: 3100 Sq. Km.	Bank	: Left
Latitude	: 19°19'50"	Longitude	: 79°30'14"
Zero of Gauge (m)	: 156.000 (m.s.l)	12/08/1986	
	Opening Date	Closing Date	
Gauge	: 12/08/1986		
Discharge	: 01/10/1986		
Sediment	: 07/10/1988		
Water Quality	: 04/01/1988		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : BHATPALLI (AGH10L0)

Local River : Peddavagu

Division : Wainganga Div., Nagpur

Sub-Division : Wardha SD, Chandrapur

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	2.042	0.000	0.000	0.077	0.077	14	2.720	0.000	0.000	0.108	0.108	25	4.517	0.000	0.000	0.020	0.020	8
2	1.540	0.000	0.000	0.065	0.065	9	3.161	0.000	0.000	0.120	0.120	33	3.713	0.000	0.000	0.021	0.021	7
3	2.756	0.000	0.000	0.080	0.080	19	3.920	0.000	0.000	0.146	0.146	49	4.327	0.000	0.000	0.024	0.024	9
4	2.756	0.000	0.000	0.080	0.080	19	3.703	0.000	0.000	0.070	0.070	22	5.614	0.000	0.000	0.027	0.027	13
5	2.383	0.000	0.000	0.080	0.080	16	8.108	0.000	0.000	0.359	0.359	251	4.746	0.000	0.000	0.020	0.020	8
6	4.099	0.000	0.000	0.090	0.090	32	3.824	0.000	0.000	0.250	0.250	83	6.214	0.000	0.000	0.025	0.025	13
7	2.759	0.000	0.000	0.057	0.057	14	2.882	0.000	0.000	0.190	0.190	47	5.706	0.000	0.000	0.027	0.027	13
8	2.641	0.000	0.000	0.053	0.053	12	2.853	0.000	0.000	0.180	0.180	44	5.000	0.000	0.000	0.021	0.021	9
9	2.383	0.000	0.000	0.050	0.050	10	3.161	0.000	0.000	0.200	0.200	55	5.903	0.000	0.000	0.021	0.021	11
10	5.114	0.000	0.000	0.150	0.150	66	2.845	0.000	0.000	0.120	0.120	29	9.857	0.000	0.000	0.016	0.016	14
11	5.690	0.000	0.000	0.160	0.160	79	16.03	0.000	0.000	0.246	0.246	340	9.553	0.000	0.000	0.015	0.015	12
12	6.085	0.000	0.000	0.180	0.180	95	7.527	0.000	0.000	0.120	0.120	78	10.24	0.000	0.000	0.017	0.017	15
13	26.27	0.000	0.000	0.250	0.250	567	4.070	0.000	0.000	0.100	0.100	35	15.94	0.000	0.000	0.030	0.030	41
14	12.67	0.000	0.000	0.190	0.190	208	3.598	0.000	0.000	0.100	0.100	31	16.34	0.000	0.000	0.037	0.037	52
15	5.965	0.000	0.000	0.170	0.170	88	7.440	0.000	0.000	0.150	0.150	96	17.52	0.000	0.000	0.045	0.045	68
16	35.13	0.000	0.000	0.280	0.280	850	4.295	0.000	0.000	0.120	0.120	45	14.14	0.000	0.000	0.030	0.030	37
17	11.99	0.000	0.000	0.114	0.114	118	3.973	0.000	0.000	0.100	0.100	34	7.997	0.000	0.000	0.031	0.031	21
18	9.119	0.000	0.000	0.110	0.110	87	3.989	0.000	0.000	0.100	0.100	34	9.485	0.000	0.000	0.030	0.030	25
19	6.375	0.000	0.000	0.100	0.100	55	6.053	0.000	0.000	0.150	0.150	78	14.31	0.000	0.000	0.040	0.040	49
20	11.93	0.000	0.000	0.120	0.120	124	14.52	0.000	0.000	0.250	0.250	314	166.8	0.000	0.000	0.100	0.100	1441
21	5.547	0.000	0.000	0.121	0.121	58	14.35	0.000	0.000	0.260	0.260	322	31.01	0.000	0.000	0.046	0.046	122
22	3.991	0.000	0.000	0.099	0.099	34	8.014	0.000	0.000	0.120	0.120	83	17.78	0.000	0.000	0.035	0.035	54
23	3.785	0.000	0.000	0.100	0.100	33	5.706	0.000	0.000	0.100	0.100	49	13.16	0.000	0.000	0.022	0.022	25
24	4.010	0.000	0.000	0.150	0.150	52	4.802	0.000	0.000	0.100	0.100	41	10.79	0.000	0.000	0.020	0.020	19
25	3.161	0.000	0.000	0.120	0.120	33	4.764	0.000	0.000	0.090	0.090	37	10.27	0.000	0.000	0.011	0.011	10
26	3.598	0.000	0.000	0.125	0.125	39	4.574	0.000	0.000	0.089	0.089	35	11.80	0.000	0.000	0.014	0.014	14
27	4.058	0.000	0.000	0.130	0.130	46	3.434	0.000	0.000	0.080	0.080	24	30.30	0.000	0.000	0.015	0.015	39
28	5.669	0.000	0.000	0.150	0.150	73	3.189	0.000	0.000	0.050	0.050	14	29.67	0.000	0.000	0.014	0.014	36
29	4.092	0.000	0.000	0.140	0.140	49	4.954	0.000	0.000	0.060	0.060	26	38.20	0.000	0.000	0.150	0.150	495
30	3.644	0.000	0.000	0.120	0.120	38	6.214	0.000	0.000	0.090	0.090	48	25.73	0.000	0.000	0.132	0.132	294
31							4.720	0.000	0.000	0.026	0.026	11	24.86	0.000	0.000	0.120	0.120	258
Ten Daily Mean																		
Ten Daily I	2.847	0.000	0.000	0.078	0.078	21	3.718	0.000	0.000	0.174	0.174	64	5.560	0.000	0.000	0.022	0.022	10
Ten Daily II	13.12	0.000	0.000	0.167	0.167	227	7.149	0.000	0.000	0.144	0.144	109	28.23	0.000	0.000	0.037	0.037	176
Ten Daily III	4.156	0.000	0.000	0.126	0.126	45	5.884	0.000	0.000	0.097	0.097	63	22.14	0.000	0.000	0.053	0.053	124
Monthly																		
Total						2936						2417						3233

Annual Sediment Load (Metric Tonnes) : 14305

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : BHATPALLI (AGH10L0)

Division : Wainganga Div., Nagpur

Local River : Peddavagu

Sub-Division : Wardha SD, Chandrapur

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	16.50	0.000	0.000	0.100	0.100	143	7.847	0.000	0.000	0.020	0.020	14	5.637	0.000	0.000	0.010	0.010	5
2	14.42	0.000	0.000	0.090	0.090	112	6.740	0.000	0.000	0.020	0.020	12	5.258	0.000	0.000	0.010	0.010	5
3	10.27	0.000	0.000	0.030	0.030	27	6.227	0.000	0.000	0.018	0.018	10	5.436	0.000	0.000	0.010	0.010	5
4	13.34	0.000	0.000	0.036	0.036	42	6.122	0.000	0.000	0.015	0.015	8	5.706	0.000	0.000	0.010	0.010	5
5	15.02	0.000	0.000	0.060	0.060	78	6.993	0.000	0.000	0.016	0.016	10	5.706	0.000	0.000	0.010	0.010	5
6	73.96	0.000	0.000	0.195	0.195	1244	6.028	0.000	0.000	0.012	0.012	6	6.094	0.000	0.000	0.012	0.012	6
7	19.54	0.000	0.000	0.070	0.070	118	7.146	0.000	0.000	0.013	0.013	8	4.596	0.000	0.000	0.011	0.011	4
8	13.22	0.000	0.000	0.040	0.040	46	7.847	0.000	0.000	0.015	0.015	10	4.556	0.000	0.000	0.010	0.010	4
9	13.91	0.000	0.000	0.050	0.050	60	8.811	0.000	0.000	0.015	0.015	11	4.141	0.000	0.000	0.010	0.010	4
10	10.27	0.000	0.000	0.019	0.019	17	9.100	0.000	0.000	0.033	0.033	26	3.871	0.000	0.000	0.010	0.010	3
11	9.992	0.000	0.000	0.019	0.019	17	17.96	0.000	0.000	0.050	0.050	78	3.910	0.000	0.000	0.014	0.014	5
12	8.882	0.000	0.000	0.015	0.015	12	11.61	0.000	0.000	0.040	0.040	40	5.706	0.000	0.000	0.015	0.015	7
13	10.23	0.000	0.000	0.015	0.015	13	11.84	0.000	0.000	0.040	0.040	41	6.097	0.000	0.000	0.019	0.019	10
14	31.68	0.000	0.000	0.200	0.200	547	12.56	0.000	0.000	0.045	0.045	49	6.101	0.000	0.000	0.020	0.020	10
15	17.91	0.000	0.000	0.103	0.103	160	11.59	0.000	0.000	0.045	0.045	45	4.511	0.000	0.000	0.019	0.019	7
16	26.98	0.000	0.000	0.192	0.192	446	11.00	0.000	0.000	0.035	0.035	33	4.446	0.000	0.000	0.019	0.019	7
17	17.52	0.000	0.000	0.150	0.150	227	11.18	0.000	0.000	0.038	0.038	37	4.331	0.000	0.000	0.018	0.018	7
18	10.68	0.000	0.000	0.140	0.140	129	8.554	0.000	0.000	0.014	0.014	10	4.116	0.000	0.000	0.018	0.018	6
19	18.28	0.000	0.000	0.184	0.184	290	7.847	0.000	0.000	0.012	0.012	8	4.746	0.000	0.000	0.017	0.017	7
20	13.49	0.000	0.000	0.138	0.138	161	7.899	0.000	0.000	0.011	0.011	8	5.235	0.000	0.000	0.019	0.019	9
21	10.92	0.000	0.000	0.080	0.080	75	6.978	0.000	0.000	0.011	0.011	6	5.347	0.000	0.000	0.020	0.020	9
22	11.71	0.000	0.000	0.090	0.090	91	8.427	0.000	0.000	0.014	0.014	10	5.463	0.000	0.000	0.020	0.020	9
23	16.10	0.000	0.000	0.100	0.100	139	8.002	0.000	0.000	0.013	0.013	9	6.246	0.000	0.000	0.022	0.022	12
24	11.59	0.000	0.000	0.070	0.070	70	7.632	0.000	0.000	0.012	0.012	8	6.189	0.000	0.000	0.021	0.021	11
25	11.48	0.000	0.000	0.071	0.071	70	6.894	0.000	0.000	0.012	0.012	7	4.785	0.000	0.000	0.020	0.020	8
26	10.31	0.000	0.000	0.033	0.033	30	6.560	0.000	0.000	0.011	0.011	6	4.295	0.000	0.000	0.019	0.019	7
27	10.46	0.000	0.000	0.031	0.031	28	7.041	0.000	0.000	0.014	0.014	8	3.993	0.000	0.000	0.018	0.018	6
28	9.591	0.000	0.000	0.030	0.030	25	7.004	0.000	0.000	0.011	0.011	7	4.093	0.000	0.000	0.019	0.019	7
29	11.12	0.000	0.000	0.049	0.049	47	6.214	0.000	0.000	0.011	0.011	6	3.941	0.000	0.000	0.016	0.016	5
30	9.025	0.000	0.000	0.030	0.030	23	5.694	0.000	0.000	0.011	0.011	5	2.336	0.000	0.000	0.010	0.010	2
31							5.694	0.000	0.000	0.010	0.010	5						
Ten Daily Mean																		
Ten Daily I	20.05	0.000	0.000	0.069	0.069	189	7.286	0.000	0.000	0.018	0.018	11	5.100	0.000	0.000	0.010	0.010	5
Ten Daily II	16.56	0.000	0.000	0.116	0.116	200	11.20	0.000	0.000	0.033	0.033	35	4.920	0.000	0.000	0.018	0.018	8
Ten Daily III	11.23	0.000	0.000	0.058	0.058	60	6.922	0.000	0.000	0.012	0.012	7	4.669	0.000	0.000	0.018	0.018	8
Monthly																		
Total						4486						541						198

Annual Sediment Load (Metric Tonnes) : 14305

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : BHATPALLI (AGH10L0)

Local River : Peddavagu

Division : Wainganga Div., Nagpur

Sub-Division : Wardha SD, Chandrapur

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	3.334	0.000	0.000	0.015	0.015	4	3.683	0.000	0.000	0.016	0.016	5	3.670	0.000	0.000	0.013	0.013	4
2	3.247	0.000	0.000	0.015	0.015	4	3.572	0.000	0.000	0.016	0.016	5	3.602	0.000	0.000	0.013	0.013	4
3	3.180	0.000	0.000	0.014	0.014	4	3.582	0.000	0.000	0.016	0.016	5	3.549	0.000	0.000	0.013	0.013	4
4	3.201	0.000	0.000	0.015	0.015	4	3.597	0.000	0.000	0.016	0.016	5	3.334	0.000	0.000	0.013	0.013	4
5	2.721	0.000	0.000	0.014	0.014	3	3.513	0.000	0.000	0.016	0.016	5	3.871	0.000	0.000	0.013	0.013	4
6	2.750	0.000	0.000	0.014	0.014	3	3.643	0.000	0.000	0.016	0.016	5	3.852	0.000	0.000	0.013	0.013	4
7	2.503	0.000	0.000	0.013	0.013	3	3.334	0.000	0.000	0.016	0.016	5	2.683	0.000	0.000	0.013	0.013	3
8	2.220	0.000	0.000	0.013	0.013	2	2.682	0.000	0.000	0.014	0.014	3	2.699	0.000	0.000	0.013	0.013	3
9	2.456	0.000	0.000	0.013	0.013	3	2.888	0.000	0.000	0.015	0.015	4	2.727	0.000	0.000	0.013	0.013	3
10	2.741	0.000	0.000	0.013	0.013	3	3.523	0.000	0.000	0.016	0.016	5	2.470	0.000	0.000	0.012	0.012	3
11	2.021	0.000	0.000	0.012	0.012	2	3.224	0.000	0.000	0.014	0.014	4	3.030	0.000	0.000	0.013	0.013	3
12	2.056	0.000	0.000	0.012	0.012	2	2.760	0.000	0.000	0.012	0.012	3	2.647	0.000	0.000	0.013	0.013	3
13	3.254	0.000	0.000	0.015	0.015	4	3.328	0.000	0.000	0.014	0.014	4	2.820	0.000	0.000	0.013	0.013	3
14	3.249	0.000	0.000	0.014	0.014	4	3.373	0.000	0.000	0.016	0.016	5	2.871	0.000	0.000	0.013	0.013	3
15	3.146	0.000	0.000	0.013	0.013	4	3.372	0.000	0.000	0.016	0.016	5	3.003	0.000	0.000	0.013	0.013	3
16	3.574	0.000	0.000	0.014	0.014	4	3.405	0.000	0.000	0.016	0.016	5	2.474	0.000	0.000	0.013	0.013	3
17	3.492	0.000	0.000	0.013	0.013	4	3.491	0.000	0.000	0.016	0.016	5	2.501	0.000	0.000	0.013	0.013	3
18	3.944	0.000	0.000	0.016	0.016	5	3.466	0.000	0.000	0.016	0.016	5	3.030	0.000	0.000	0.013	0.013	3
19	3.889	0.000	0.000	0.016	0.016	5	3.682	0.000	0.000	0.016	0.016	5	2.469	0.000	0.000	0.012	0.012	3
20	3.792	0.000	0.000	0.015	0.015	5	3.643	0.000	0.000	0.016	0.016	5	2.377	0.000	0.000	0.012	0.012	3
21	3.716	0.000	0.000	0.015	0.015	5	3.334	0.000	0.000	0.015	0.015	4	2.354	0.000	0.000	0.012	0.012	2
22	3.762	0.000	0.000	0.015	0.015	5	2.939	0.000	0.000	0.013	0.013	3	2.352	0.000	0.000	0.012	0.012	2
23	3.617	0.000	0.000	0.015	0.015	5	3.551	0.000	0.000	0.013	0.013	4	2.812	0.000	0.000	0.012	0.012	3
24	3.616	0.000	0.000	0.015	0.015	5	4.217	0.000	0.000	0.014	0.014	5	2.766	0.000	0.000	0.012	0.012	3
25	3.334	0.000	0.000	0.015	0.015	4	4.377	0.000	0.000	0.014	0.014	5	2.883	0.000	0.000	0.013	0.013	3
26	3.658	0.000	0.000	0.016	0.016	5	3.820	0.000	0.000	0.013	0.013	4	2.691	0.000	0.000	0.012	0.012	3
27	3.723	0.000	0.000	0.017	0.017	5	4.298	0.000	0.000	0.014	0.014	5	2.731	0.000	0.000	0.012	0.012	3
28	3.647	0.000	0.000	0.016	0.016	5	3.654	0.000	0.000	0.013	0.013	4	2.714	0.000	0.000	0.012	0.012	3
29	3.830	0.000	0.000	0.017	0.017	5	3.844	0.000	0.000	0.013	0.013	4						
30	3.750	0.000	0.000	0.017	0.017	5	3.701	0.000	0.000	0.013	0.013	4						
31	3.334	0.000	0.000	0.016	0.016	5	3.762	0.000	0.000	0.013	0.013	4						
Ten Daily Mean																		
Ten Daily I	2.835	0.000	0.000	0.014	0.014	3	3.402	0.000	0.000	0.016	0.016	5	3.246	0.000	0.000	0.013	0.013	4
Ten Daily II	3.242	0.000	0.000	0.014	0.014	4	3.374	0.000	0.000	0.015	0.015	4	2.722	0.000	0.000	0.013	0.013	3
Ten Daily III	3.635	0.000	0.000	0.016	0.016	5	3.772	0.000	0.000	0.013	0.013	4	2.663	0.000	0.000	0.012	0.012	3
Monthly																		
Total						128						138						89

Annual Sediment Load (Metric Tonnes) : 14305

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : BHATPALLI (AGH10L0)

Division : Wainganga Div., Nagpur

Local River : Peddavagu

Sub-Division : Wardha SD, Chandrapur

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	2.684	0.000	0.000	0.012	0.012	3	2.208	0.000	0.000	0.010	0.010	2	0.853	0.000	0.000	0.007	0.007	1
2	2.883	0.000	0.000	0.012	0.012	3	2.210	0.000	0.000	0.010	0.010	2	0.851	0.000	0.000	0.007	0.007	1
3	2.663	0.000	0.000	0.012	0.012	3	2.225	0.000	0.000	0.011	0.011	2	0.867	0.000	0.000	0.007	0.007	1
4	2.741	0.000	0.000	0.012	0.012	3	2.197	0.000	0.000	0.010	0.010	2	0.868	0.000	0.000	0.007	0.007	1
5	2.542	0.000	0.000	0.012	0.012	3	2.178	0.000	0.000	0.010	0.010	2	0.852	0.000	0.000	0.007	0.007	1
6	2.502	0.000	0.000	0.012	0.012	3	2.158	0.000	0.000	0.010	0.010	2	0.811	0.000	0.000	0.007	0.007	0.5
7	2.473	0.000	0.000	0.012	0.012	3	2.131	0.000	0.000	0.010	0.010	2	0.778	0.000	0.000	0.006	0.006	0.4
8	2.406	0.000	0.000	0.012	0.012	2	1.626	0.000	0.000	0.009	0.009	1	0.780	0.000	0.000	0.006	0.006	0.4
9	2.402	0.000	0.000	0.012	0.012	2	1.808	0.000	0.000	0.010	0.010	2	0.761	0.000	0.000	0.006	0.006	0.4
10	2.345	0.000	0.000	0.012	0.012	2	1.801	0.000	0.000	0.010	0.010	2	0.760	0.000	0.000	0.006	0.006	0.4
11	2.602	0.000	0.000	0.012	0.012	3	1.791	0.000	0.000	0.010	0.010	1	0.761	0.000	0.000	0.006	0.006	0.4
12	2.320	0.000	0.000	0.012	0.012	2	1.419	0.000	0.000	0.010	0.010	1	0.751	0.000	0.000	0.006	0.006	0.4
13	2.324	0.000	0.000	0.012	0.012	2	1.419	0.000	0.000	0.009	0.009	1	0.887	0.000	0.000	0.008	0.008	1
14	2.289	0.000	0.000	0.012	0.012	2	1.785	0.000	0.000	0.010	0.010	2	0.809	0.000	0.000	0.008	0.008	1
15	2.270	0.000	0.000	0.012	0.012	2	1.419	0.000	0.000	0.010	0.010	1	0.792	0.000	0.000	0.008	0.008	1
16	2.607	0.000	0.000	0.011	0.011	3	1.559	0.000	0.000	0.010	0.010	1	0.787	0.000	0.000	0.007	0.007	0
17	2.586	0.000	0.000	0.011	0.011	3	1.577	0.000	0.000	0.009	0.009	1	0.844	0.000	0.000	0.007	0.007	1
18	2.741	0.000	0.000	0.012	0.012	3	1.539	0.000	0.000	0.009	0.009	1	0.833	0.000	0.000	0.008	0.008	1
19	2.595	0.000	0.000	0.011	0.011	3	1.537	0.000	0.000	0.009	0.009	1	0.828	0.000	0.000	0.008	0.008	1
20	2.524	0.000	0.000	0.011	0.011	2	1.540	0.000	0.000	0.009	0.009	1	0.887	0.000	0.000	0.008	0.008	1
21	2.502	0.000	0.000	0.011	0.011	2	1.495	0.000	0.000	0.009	0.009	1	0.650	0.000	0.000	0.006	0.006	0.3
22	2.469	0.000	0.000	0.011	0.011	2	1.227	0.000	0.000	0.008	0.008	1	0.648	0.000	0.000	0.006	0.006	0.3
23	2.449	0.000	0.000	0.011	0.011	2	1.279	0.000	0.000	0.008	0.008	1	3.820	0.000	0.000	0.015	0.015	5
24	2.432	0.000	0.000	0.011	0.011	2	1.217	0.000	0.000	0.008	0.008	1	2.467	0.000	0.000	0.014	0.014	3
25	2.602	0.000	0.000	0.011	0.011	3	1.129	0.000	0.000	0.007	0.007	1	2.084	0.000	0.000	0.010	0.010	2
26	2.462	0.000	0.000	0.011	0.011	2	0.886	0.000	0.000	0.007	0.007	1	1.847	0.000	0.000	0.009	0.009	1
27	2.360	0.000	0.000	0.011	0.011	2	0.882	0.000	0.000	0.007	0.007	1	1.626	0.000	0.000	0.009	0.009	1
28	2.384	0.000	0.000	0.011	0.011	2	0.877	0.000	0.000	0.007	0.007	1	1.290	0.000	0.000	0.007	0.007	1
29	2.335	0.000	0.000	0.010	0.010	2	0.967	0.000	0.000	0.008	0.008	1	0.887	0.000	0.000	0.005	0.005	0.4
30	2.335	0.000	0.000	0.010	0.010	2	0.887	0.000	0.000	0.008	0.008	1	0.887	0.000	0.000	0.005	0.005	0.4
31	2.335	0.000	0.000	0.010	0.010	2							1.110	0.000	0.000	0.007	0.007	1
Ten Daily Mean																		
Ten Daily I	2.564	0.000	0.000	0.012	0.012	3	2.054	0.000	0.000	0.010	0.010	2	0.818	0.000	0.000	0.007	0.007	0.5
Ten Daily II	2.486	0.000	0.000	0.012	0.012	3	1.559	0.000	0.000	0.009	0.009	1	0.818	0.000	0.000	0.007	0.007	1
Ten Daily III	2.424	0.000	0.000	0.011	0.011	2	1.085	0.000	0.000	0.008	0.008	1	1.574	0.000	0.000	0.008	0.008	1
Monthly																		
Total						77						38						25

Annual Sediment Load (Metric Tonnes) : 14305

Annual Sediment Load for period : 1989-2018**Station Name : BHATPALLI (AGH10L0)****Division : Wainganga Div., Nagpur****Local River : Peddavagu****Sub-Division : Wardha SD, Chandrapur**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1989-1990	2532163	0	2532163	1382
1990-1991	5693139	0	5693139	2848
1991-1992	1172910	0	1172910	949
1992-1993	4076344	0	4076344	1456
1993-1994	1189841	0	1189841	571
1994-1995	4116760	0	4116760	2473
1995-1996	5931851	0	5931851	2522
1996-1997	3887756	0	3887756	1083
1997-1998	674972	0	674972	383
1998-1999	3810781	0	3810781	1754
1999-2000	850808	531	851339	768
2000-2001	3954475	657	3955132	2038
2001-2002	1117324	650	1117974	962
2002-2003	597509	252	597761	549
2003-2004	2176526	579	2177105	979
2004-2005	320103	6017	326120	308
2005-2006	1146481	4839	1151320	1066
2006-2007	874290	608	874898	1339
2007-2008	210771	1241	212012	725
2008-2009	129032	3629	132662	538
2009-2010	24416	380	24796	166
2010-2011	287216	9680	296897	1459
2011-2012	59512	6106	65618	549
2012-2013	115613	11867	127480	1109
2013-2014	297532	9487	307020	2692
2014-2015	79026	2511	81536	481
2015-2016	91288	1992	93280	585
2016-2017	129317	775	130092	1490
2017-2018	13810	495	14305	198

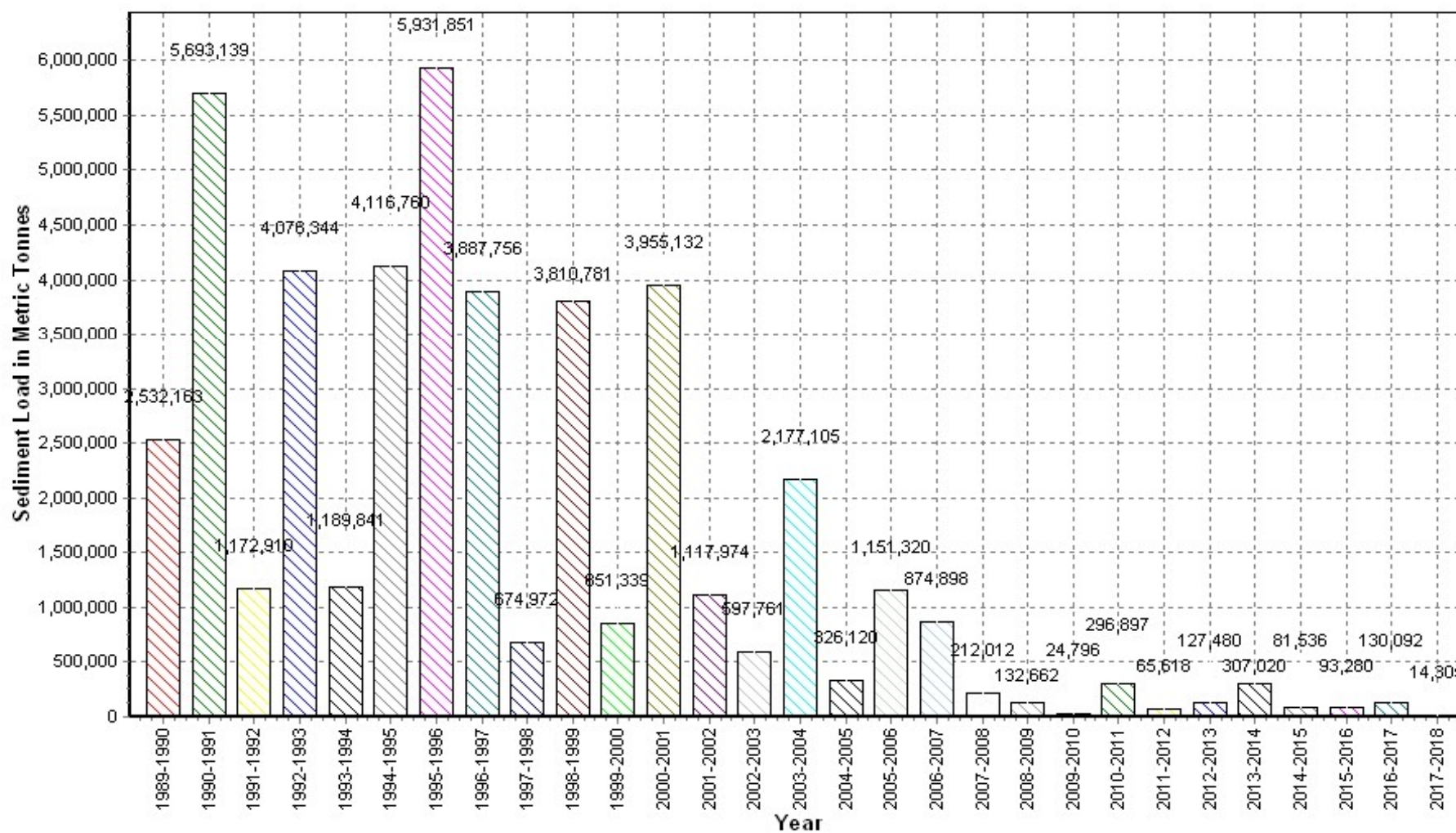
Annual Sediment Load for the period: 1989-2018

Station Name : BHATPALLI (AGH10L0)

Local River : Peddavagu

Division : Wainganga Div., Nagpur

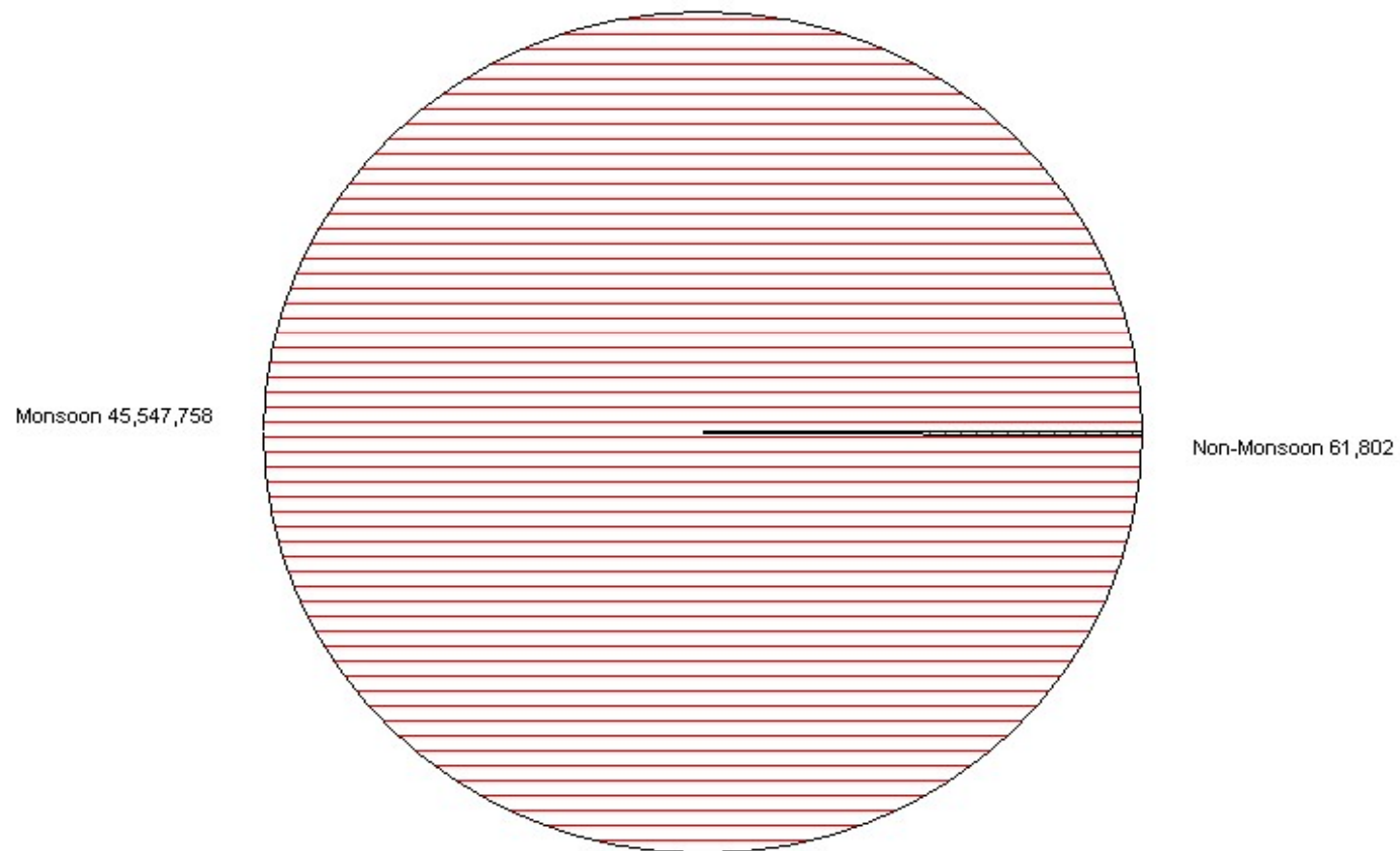
Sub-Division : Wardha SD, Chandrapur



Station Name : BHATPALLI (AGH10L0)
Local River : Peddavagu

Seasonal Sediment Load for the period : 1989-2017

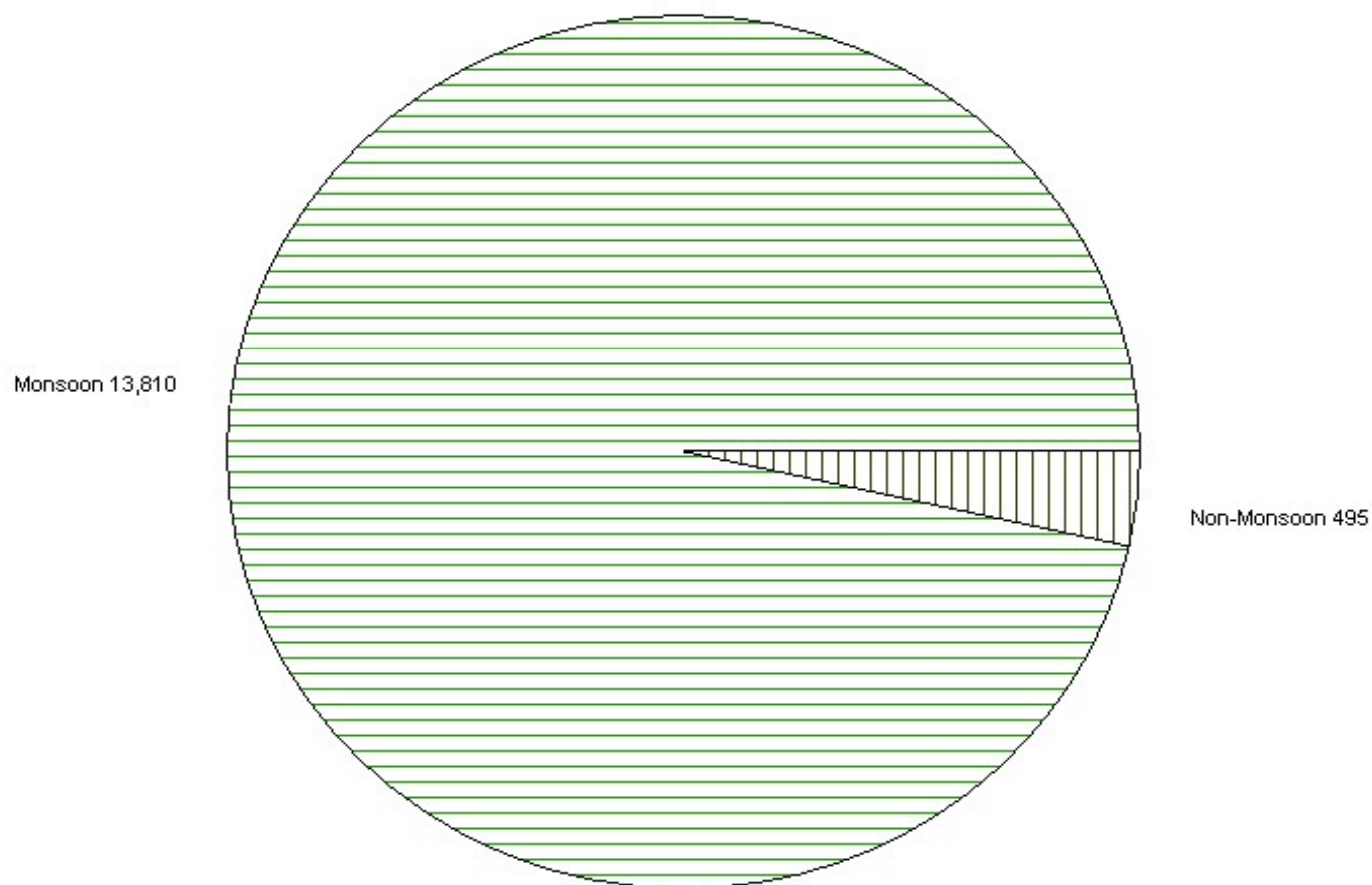
Division : Wainganga Div., Nagpur
Sub-Division : Wardha SD, Chandrapur



Station Name : BHATPALLI (AGH10L0)
Local River : Peddavagu

Seasonal Sediment Load for the Year: 2017-2018

Division : Wainganga Div., Nagpur
Sub-Division : Wardha SD, Chandrapur



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : PEDDAVAGU AT BHATPALLI CODE : AGH10L0
 MEASURING : WDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 29-05-17)

Discharge Observed :	4.034	cumec	Water edge RB :	310.00	m	LB :	157.00	m
Area of section :	23.92	sq.m	MeanVelocity :				0.1687	m/sec
Wetted perimeter :	153.105	m	Hydraulic Mean Depth :				0.1562	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	200		158.520	0.63		Av.mean dia "m" = 1.76		
2	250		158.960	2.68				
3	300		159.310	1.98		Silt factor "f" = 1.76 $\sqrt{m}$ = 2.34		

Note : i) Discharge observation was at station gauge line.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

Monsoon Survey (Date 20-09-17)

Discharge Observed :	13.489	cumec	Water edge RB :	225.00	m	LB :	166.00	m
				312.00	m		285.0	m
Area of section :	47.61	sq.m	MeanVelocity :				0.2833	m/sec
Wetted perimeter :	96.12	m	Hydraulic Mean Depth :				0.4953	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	200		158.270	2.10		Av.mean dia "m" = 2.12		
2	250		158.080	2.14				
3	300		159.240	2.11		Silt factor "f" = 1.76 $\sqrt{m}$ = 2.57		

Note : i) Discharge observation was at station gauge line.
 ii) River bed : flowing water.
 iii) Water flows in multi channel.

Postmonsoon Survey (Date 03-01-18)

Discharge Observed :	3.373	cumec	Water edge RB :	215.00	m	LB :	157.00	m
				311.00	m		290.0	m
Area of section :	32.82	sq.m	MeanVelocity :				0.1028	m/sec
Wetted perimeter :	79.09	m	Hydraulic Mean Depth :				0.415	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	200		158.240	1.85		Av.mean dia "m" = 2.09		
2	250		158.130	2.09				
3	300		159.280	2.34		Silt factor "f" = 1.76 $\sqrt{m}$ = 2.55		

Note : i) Discharge observation was at station gauge line.
 ii) River bed: flowing water.
 iii) Water flows in multi channel.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: BAMNI	Code	: AGH30E2
State	: Maharashtra	District	Chandrapur
Basin	: Godavari	Independent River	: Godavari
Tributary	: Pranhita	Sub Tributary	: Wardha
Sub-Sub Tributary	:	Local River	: Wardha
Division	: Wainganga Div., Nagpur	Sub-Division	: Wardha Sub-division, Chandrapur
Drainage Area	: 46020 Sq. Km.	Bank	: Left
Latitude	: 19°48'53"	Longitude	: 79°22'46"
Zero of Gauge (m)	: 157.380 (m.s.l) 157.970 (m.s.l)	12/01/1964 01/06/1991	- 31/05/1991
	Opening Date	Closing Date	
Gauge	: 12/01/1964		
Discharge	: 16/10/1965		
Sediment	: 13/12/1965		
Water Quality	: 03/06/1966		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : BAMNI (AGH30E2)

Local River : Wardha

Division : Wainganga Div., Nagpur

Sub-Division : Wardha Sub-division, Chandrapur

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	9.472	0.000	0.000	0.480	0.480	393	82.01	0.000	0.000	0.279	0.279	1974	39.49	0.000	0.000	0.100	0.100	341
2	9.101	0.000	0.000	0.450	0.450	354	115.0	0.000	0.000	0.330	0.330	3279	36.88	0.000	0.000	0.102	0.102	324
3	8.583	0.000	0.000	0.400	0.400	297	82.08	0.000	0.000	0.299	0.299	2120	36.24	0.000	0.000	0.069	0.069	215
4	7.973	0.000	0.000	0.350	0.350	241	60.28	0.000	0.000	0.292	0.292	1522	31.92	0.000	0.000	0.071	0.071	196
5	4.531	0.000	0.000	0.295	0.295	115	59.58	0.000	0.000	0.295	0.295	1519	24.99	0.000	0.000	0.071	0.071	153
6	5.172	0.000	0.000	0.320	0.320	143	53.14	0.000	0.000	0.276	0.276	1266	22.39	0.000	0.000	0.070	0.070	135
7	5.300	0.000	0.000	0.279	0.279	128	45.72	0.000	0.000	0.279	0.279	1103	22.81	0.000	0.000	0.075	0.075	148
8	6.368	0.000	0.000	0.300	0.300	165	37.15	0.000	0.000	0.279	0.279	895	24.65	0.000	0.000	0.082	0.082	175
9	5.061	0.000	0.000	0.260	0.260	114	33.20	0.000	0.000	0.240	0.240	688	28.21	0.000	0.000	0.103	0.103	250
10	5.073	0.000	0.000	0.270	0.270	118	31.39	0.000	0.000	0.197	0.197	534	41.34	0.000	0.000	0.108	0.108	385
11	6.807	0.000	0.000	0.300	0.300	176	24.23	0.000	0.000	0.205	0.205	429	54.80	0.000	0.000	0.316	0.316	1496
12	90.74	0.000	0.000	0.600	0.600	4704	27.13	0.000	0.000	0.204	0.204	479	41.38	0.000	0.000	0.293	0.293	1047
13	99.45	0.000	0.000	0.620	0.620	5328	20.87	0.000	0.000	0.213	0.213	385	33.20	0.000	0.000	0.150	0.150	430
14	192.0	0.000	0.000	0.800	0.800	13274	25.09	0.000	0.000	0.207	0.207	448	24.23	0.000	0.000	0.091	0.091	190
15	92.61	0.000	0.000	0.600	0.600	4801	25.97	0.000	0.000	0.197	0.197	442	28.08	0.000	0.000	0.090	0.090	218
16	111.4	0.000	0.000	0.630	0.630	6066	21.49	0.000	0.000	0.160	0.160	297	23.30	0.000	0.000	0.090	0.090	180
17	54.26	0.000	0.000	0.500	0.500	2344	45.17	0.000	0.000	0.276	0.276	1076	26.90	0.000	0.000	0.082	0.082	190
18	103.1	0.000	0.000	0.750	0.750	6683	34.55	0.000	0.000	0.197	0.197	589	28.03	0.000	0.000	0.086	0.086	209
19	109.9	0.000	0.000	0.770	0.770	7308	52.82	0.000	0.000	0.293	0.293	1338	36.43	0.000	0.000	0.097	0.097	305
20	83.47	0.000	0.000	0.500	0.500	3606	1053	0.015	0.016	0.378	0.409	37234	70.66	0.000	0.000	0.150	0.150	916
21	53.13	0.000	0.000	0.400	0.400	1836	338.7	0.012	0.015	0.312	0.339	9921	56.53	0.000	0.000	0.130	0.130	635
22	63.50	0.000	0.000	0.450	0.450	2469	124.9	0.000	0.000	0.261	0.261	2817	80.33	0.000	0.000	0.239	0.239	1659
23	64.50	0.000	0.000	0.470	0.470	2619	94.96	0.000	0.000	0.220	0.220	1805	53.49	0.000	0.000	0.200	0.200	924
24	58.83	0.000	0.000	0.420	0.420	2135	79.50	0.000	0.000	0.180	0.180	1236	94.43	0.000	0.000	0.244	0.244	1994
25	131.0	0.000	0.000	0.550	0.550	6227	57.76	0.000	0.000	0.160	0.160	798	129.2	0.000	0.000	0.260	0.260	2903
26	63.66	0.000	0.000	0.400	0.400	2200	51.22	0.000	0.000	0.130	0.130	575	107.5	0.000	0.000	0.250	0.250	2323
27	92.97	0.000	0.000	0.480	0.480	3856	54.20	0.000	0.000	0.135	0.135	632	260.3	0.000	0.000	0.300	0.300	6746
28	118.5	0.000	0.000	0.520	0.520	5324	52.38	0.000	0.000	0.130	0.130	588	167.3	0.000	0.000	0.256	0.256	3700
29	334.7	0.000	0.000	0.720	0.720	20818	56.24	0.000	0.000	0.133	0.133	646	168.8	0.000	0.000	0.255	0.255	3711
30	145.2	0.000	0.000	0.400	0.400	5017	54.35	0.000	0.000	0.130	0.130	610	260.9	0.000	0.000	0.264	0.264	5956
31							54.20	0.000	0.000	0.130	0.130	609	263.1	0.000	0.000	0.273	0.273	6202
Ten Daily Mean																		
Ten Daily I	6.663	0.000	0.000	0.340	0.340	207	59.96	0.000	0.000	0.277	0.277	1490	30.89	0.000	0.000	0.085	0.085	232
Ten Daily II	94.38	0.000	0.000	0.607	0.607	5429	133.0	0.001	0.002	0.233	0.236	4272	36.70	0.000	0.000	0.144	0.144	518
Ten Daily III	112.6	0.000	0.000	0.481	0.481	5250	92.59	0.001	0.001	0.175	0.177	1840	149.3	0.000	0.000	0.243	0.243	3341
Monthly																		
Total						108858						77856						44256

Annual Sediment Load (Metric Tonnes) : 366313

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : BAMNI (AGH30E2)

Division : Wainganga Div., Nagpur

Local River : Wardha

Sub-Division : Wardha Sub-division, Chandrapur

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	349.4	0.012	0.016	0.333	0.361	10887	65.30	0.000	0.000	0.190	0.190	1072	23.12	0.000	0.000	0.132	0.132	264
2	216.3	0.000	0.000	0.280	0.280	5233	56.64	0.000	0.000	0.100	0.100	489	22.42	0.000	0.000	0.131	0.131	254
3	127.4	0.000	0.000	0.250	0.250	2752	45.84	0.000	0.000	0.095	0.095	376	22.85	0.000	0.000	0.130	0.130	257
4	111.9	0.000	0.000	0.245	0.245	2371	47.09	0.000	0.000	0.100	0.100	407	16.79	0.000	0.000	0.120	0.120	174
5	93.21	0.000	0.000	0.245	0.245	1970	40.12	0.000	0.000	0.098	0.098	340	16.00	0.000	0.000	0.110	0.110	152
6	91.43	0.000	0.000	0.229	0.229	1809	37.61	0.000	0.000	0.090	0.090	292	14.13	0.000	0.000	0.102	0.102	124
7	59.41	0.000	0.000	0.223	0.223	1143	34.89	0.000	0.000	0.090	0.090	271	13.96	0.000	0.000	0.098	0.098	118
8	54.05	0.000	0.000	0.208	0.208	973	29.76	0.000	0.000	0.089	0.089	229	14.65	0.000	0.000	0.096	0.096	122
9	50.72	0.000	0.000	0.216	0.216	945	55.57	0.000	0.000	0.200	0.200	959	14.29	0.000	0.000	0.090	0.090	111
10	62.29	0.000	0.000	0.220	0.220	1184	115.4	0.000	0.000	0.236	0.236	2350	14.44	0.000	0.000	0.080	0.080	100
11	86.50	0.000	0.000	0.215	0.215	1607	62.88	0.000	0.000	0.221	0.221	1199	13.61	0.000	0.000	0.070	0.070	82
12	54.06	0.000	0.000	0.210	0.210	980	114.7	0.000	0.000	0.239	0.239	2366	13.71	0.000	0.000	0.063	0.063	75
13	50.66	0.000	0.000	0.208	0.208	910	84.39	0.000	0.000	0.215	0.215	1564	10.19	0.000	0.000	0.062	0.062	55
14	166.6	0.000	0.000	0.250	0.250	3599	56.70	0.000	0.000	0.223	0.223	1092	9.765	0.000	0.000	0.050	0.050	42
15	170.4	0.000	0.000	0.252	0.252	3716	62.35	0.000	0.000	0.209	0.209	1126	8.112	0.000	0.000	0.045	0.045	32
16	205.5	0.000	0.000	0.300	0.300	5323	88.26	0.000	0.000	0.216	0.216	1648	5.234	0.000	0.000	0.040	0.040	18
17	220.7	0.000	0.000	0.310	0.310	5912	83.25	0.000	0.000	0.215	0.215	1546	5.148	0.000	0.000	0.034	0.034	15
18	172.1	0.000	0.000	0.250	0.250	3714	83.91	0.000	0.000	0.208	0.208	1508	5.012	0.000	0.000	0.031	0.031	13
19	119.9	0.000	0.000	0.247	0.247	2558	68.31	0.000	0.000	0.200	0.200	1180	3.871	0.000	0.000	0.030	0.030	10
20	444.2	0.000	0.000	0.308	0.308	11837	70.68	0.000	0.000	0.214	0.214	1305	3.265	0.000	0.000	0.026	0.026	7
21	164.3	0.000	0.000	0.245	0.245	3478	78.14	0.000	0.000	0.212	0.212	1433	1.541	0.000	0.000	0.025	0.025	3
22	112.5	0.000	0.000	0.241	0.241	2344	63.82	0.000	0.000	0.200	0.200	1103	1.190	0.000	0.000	0.024	0.024	2
23	262.1	0.000	0.000	0.304	0.304	6881	45.02	0.000	0.000	0.200	0.200	779	1.207	0.000	0.000	0.024	0.024	2
24	210.5	0.000	0.000	0.260	0.260	4729	48.89	0.000	0.000	0.193	0.193	816	3.314	0.000	0.000	0.023	0.023	7
25	129.4	0.000	0.000	0.240	0.240	2678	45.76	0.000	0.000	0.184	0.184	726	3.275	0.000	0.000	0.023	0.023	7
26	94.46	0.000	0.000	0.242	0.242	1971	43.96	0.000	0.000	0.173	0.173	657	3.081	0.000	0.000	0.022	0.022	6
27	94.98	0.000	0.000	0.227	0.227	1860	35.29	0.000	0.000	0.166	0.166	507	3.040	0.000	0.000	0.022	0.022	6
28	85.98	0.000	0.000	0.220	0.220	1636	33.38	0.000	0.000	0.166	0.166	478	3.014	0.000	0.000	0.021	0.021	6
29	84.01	0.000	0.000	0.213	0.213	1548	27.71	0.000	0.000	0.170	0.170	407	2.373	0.000	0.000	0.021	0.021	4
30	76.09	0.000	0.000	0.200	0.200	1315	27.70	0.000	0.000	0.139	0.139	333	2.373	0.000	0.000	0.020	0.020	4
31							24.26	0.000	0.000	0.136	0.136	285						
Ten Daily Mean																		
Ten Daily I	121.6	0.001	0.002	0.245	0.248	2927	52.82	0.000	0.000	0.129	0.129	678	17.26	0.000	0.000	0.109	0.109	168
Ten Daily II	169.1	0.000	0.000	0.255	0.255	4016	77.54	0.000	0.000	0.216	0.216	1453	7.792	0.000	0.000	0.045	0.045	35
Ten Daily III	131.4	0.000	0.000	0.239	0.239	2844	43.09	0.000	0.000	0.176	0.176	684	2.441	0.000	0.000	0.022	0.022	5
Monthly																		
Total						97865						28842						2071

Annual Sediment Load (Metric Tonnes) : 366313

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : BAMNI (AGH30E2)

Division : Wainganga Div., Nagpur

Local River : Wardha

Sub-Division : Wardha Sub-division, Chandrapur

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	2.641	0.000	0.000	0.022	0.022	5	29.97	0.000	0.000	0.095	0.095	247	2.029	0.000	0.000	0.033	0.033	6
2	2.903	0.000	0.000	0.023	0.023	6	26.10	0.000	0.000	0.092	0.092	207	2.855	0.000	0.000	0.034	0.034	8
3	2.903	0.000	0.000	0.023	0.023	6	19.58	0.000	0.000	0.080	0.080	135	6.460	0.000	0.000	0.040	0.040	22
4	3.272	0.000	0.000	0.025	0.025	7	18.38	0.000	0.000	0.090	0.090	143	7.529	0.000	0.000	0.043	0.043	28
5	3.268	0.000	0.000	0.025	0.025	7	18.11	0.000	0.000	0.089	0.089	139	4.747	0.000	0.000	0.032	0.032	13
6	3.149	0.000	0.000	0.025	0.025	7	17.54	0.000	0.000	0.085	0.085	129	4.422	0.000	0.000	0.030	0.030	11
7	3.622	0.000	0.000	0.025	0.025	8	18.03	0.000	0.000	0.090	0.090	140	1.815	0.000	0.000	0.019	0.019	3
8	3.309	0.000	0.000	0.025	0.025	7	17.33	0.000	0.000	0.090	0.090	134	1.725	0.000	0.000	0.018	0.018	3
9	3.449	0.000	0.000	0.025	0.025	7	16.81	0.000	0.000	0.081	0.081	118	0.810	0.000	0.000	0.010	0.010	1
10	15.76	0.000	0.000	0.026	0.026	35	17.08	0.000	0.000	0.082	0.082	121	0.810	0.000	0.000	0.010	0.010	1
11	18.32	0.000	0.000	0.026	0.026	42	17.75	0.000	0.000	0.083	0.083	127	0.664	0.000	0.000	0.010	0.010	1
12	15.91	0.000	0.000	0.025	0.025	34	18.27	0.000	0.000	0.085	0.085	134	0.423	0.000	0.000	0.010	0.010	0
13	13.14	0.000	0.000	0.023	0.023	26	18.16	0.000	0.000	0.085	0.085	133	19.38	0.000	0.000	0.020	0.020	33
14	12.41	0.000	0.000	0.022	0.022	24	19.82	0.000	0.000	0.088	0.088	151	20.41	0.000	0.000	0.024	0.024	42
15	12.26	0.000	0.000	0.022	0.022	23	16.39	0.000	0.000	0.080	0.080	113	29.49	0.000	0.000	0.030	0.030	76
16	11.48	0.000	0.000	0.021	0.021	21	16.93	0.000	0.000	0.080	0.080	117	27.48	0.000	0.000	0.027	0.027	64
17	11.14	0.000	0.000	0.021	0.021	20	15.51	0.000	0.000	0.076	0.076	102	20.18	0.000	0.000	0.020	0.020	35
18	11.70	0.000	0.000	0.017	0.017	17	13.67	0.000	0.000	0.072	0.072	85	17.51	0.000	0.000	0.019	0.019	28
19	8.418	0.000	0.000	0.014	0.014	10	16.16	0.000	0.000	0.079	0.079	110	15.29	0.000	0.000	0.018	0.018	24
20	7.886	0.000	0.000	0.013	0.013	9	15.74	0.000	0.000	0.076	0.076	103	15.75	0.000	0.000	0.018	0.018	25
21	8.873	0.000	0.000	0.013	0.013	10	10.08	0.000	0.000	0.070	0.070	61	14.19	0.000	0.000	0.018	0.018	22
22	8.873	0.000	0.000	0.013	0.013	10	12.77	0.000	0.000	0.072	0.072	79	5.849	0.000	0.000	0.010	0.010	5
23	25.69	0.000	0.000	0.120	0.120	266	13.00	0.000	0.000	0.074	0.074	83	6.007	0.000	0.000	0.012	0.012	6
24	21.05	0.000	0.000	0.100	0.100	182	13.76	0.000	0.000	0.074	0.074	88	5.901	0.000	0.000	0.011	0.011	6
25	21.67	0.000	0.000	0.103	0.103	193	13.50	0.000	0.000	0.075	0.075	88	4.503	0.000	0.000	0.010	0.010	4
26	26.65	0.000	0.000	0.140	0.140	322	11.52	0.000	0.000	0.070	0.070	70	3.325	0.000	0.000	0.010	0.010	3
27	25.74	0.000	0.000	0.130	0.130	289	13.43	0.000	0.000	0.075	0.075	87	2.174	0.000	0.000	0.010	0.010	2
28	25.60	0.000	0.000	0.120	0.120	265	8.747	0.000	0.000	0.050	0.050	38	1.195	0.000	0.000	0.010	0.010	1
29	23.34	0.000	0.000	0.110	0.110	222	6.492	0.000	0.000	0.040	0.040	22						
30	23.91	0.000	0.000	0.100	0.100	207	3.716	0.000	0.000	0.039	0.039	13						
31	23.61	0.000	0.000	0.100	0.100	204	2.863	0.000	0.000	0.034	0.034	8						
Ten Daily Mean																		
Ten Daily I	4.428	0.000	0.000	0.024	0.024	10	19.89	0.000	0.000	0.087	0.087	151	3.320	0.000	0.000	0.027	0.027	10
Ten Daily II	12.27	0.000	0.000	0.020	0.020	23	16.84	0.000	0.000	0.080	0.080	118	16.66	0.000	0.000	0.020	0.020	33
Ten Daily III	21.36	0.000	0.000	0.095	0.095	197	9.990	0.000	0.000	0.061	0.061	58	5.393	0.000	0.000	0.011	0.011	6
Monthly																		
Total						2492						3327						473

Annual Sediment Load (Metric Tonnes) : 366313

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : BAMNI (AGH30E2)

Local River : Wardha

Division : Wainganga Div., Nagpur

Sub-Division : Wardha Sub-division, Chandrapur

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	1.234	0.000	0.000	0.010	0.010	1	0.536	0.000	0.000	0.008	0.008	0.4	0.000	0.000	0.000	0.000	0.000	0
2	1.154	0.000	0.000	0.010	0.010	1	0.604	0.000	0.000	0.008	0.008	0.4	0.000	0.000	0.000	0.000	0.000	0
3	0.721	0.000	0.000	0.009	0.009	1	0.615	0.000	0.000	0.008	0.008	0.4	0.000	0.000	0.000	0.000	0.000	0
4	0.664	0.000	0.000	0.009	0.009	1	0.560	0.000	0.000	0.008	0.008	0.4	0.000	0.000	0.000	0.000	0.000	0
5	0.676	0.000	0.000	0.009	0.009	1	0.599	0.000	0.000	0.008	0.008	0.4	0.000	0.000	0.000	0.000	0.000	0
6	0.720	0.000	0.000	0.009	0.009	1	0.568	0.000	0.000	0.008	0.008	0.4	0.000	0.000	0.000	0.000	0.000	0
7	0.728	0.000	0.000	0.010	0.010	1	0.415	0.000	0.000	0.008	0.008	0.3	0.000	0.000	0.000	0.000	0.000	0
8	0.693	0.000	0.000	0.009	0.009	1	0.436	0.000	0.000	0.008	0.008	0.3	0.000	0.000	0.000	0.000	0.000	0
9	0.536	0.000	0.000	0.009	0.009	0.4	0.401	0.000	0.000	0.008	0.008	0.3	0.000	0.000	0.000	0.000	0.000	0
10	0.747	0.000	0.000	0.010	0.010	1	0.417	0.000	0.000	0.008	0.008	0.3	0.000	0.000	0.000	0.000	0.000	0
11	1.573	0.000	0.000	0.010	0.010	1	0.401	0.000	0.000	0.008	0.008	0.3	0.000	0.000	0.000	0.000	0.000	0
12	20.50	0.000	0.000	0.020	0.020	35	0.628	0.000	0.000	0.008	0.008	0.4	0.000	0.000	0.000	0.000	0.000	0
13	21.01	0.000	0.000	0.022	0.022	40	0.589	0.000	0.000	0.008	0.008	0.4	0.000	0.000	0.000	0.000	0.000	0
14	19.96	0.000	0.000	0.018	0.018	31	0.581	0.000	0.000	0.008	0.008	0.4	0.000	0.000	0.000	0.000	0.000	0
15	16.75	0.000	0.000	0.016	0.016	23	0.581	0.000	0.000	0.008	0.008	0.4	0.000	0.000	0.000	0.000	0.000	0
16	8.747	0.000	0.000	0.012	0.012	9	0.563	0.000	0.000	0.007	0.007	0.4	0.000	0.000	0.000	0.000	0.000	0
17	8.747	0.000	0.000	0.010	0.010	8	0.531	0.000	0.000	0.007	0.007	0.3	0.000	0.000	0.000	0.000	0.000	0
18	6.418	0.000	0.000	0.010	0.010	5	0.558	0.000	0.000	0.007	0.007	0.4	0.000	0.000	0.000	0.000	0.000	0
19	4.503	0.000	0.000	0.010	0.010	4	0.525	0.000	0.000	0.007	0.007	0.3	0.000	0.000	0.000	0.000	0.000	0
20	4.503	0.000	0.000	0.010	0.010	4	0.534	0.000	0.000	0.008	0.008	0.3	0.000	0.000	0.000	0.000	0.000	0
21	1.184	0.000	0.000	0.009	0.009	1	0.520	0.000	0.000	0.008	0.008	0.3	0.000	0.000	0.000	0.000	0.000	0
22	0.890	0.000	0.000	0.009	0.009	1	0.000	0.000	0.000	0.000	0.000	0	30.13	0.000	0.000	0.015	0.015	39
23	0.915	0.000	0.000	0.009	0.009	1	0.000	0.000	0.000	0.000	0.000	0	26.13	0.000	0.000	0.010	0.010	23
24	0.643	0.000	0.000	0.008	0.008	0.5	0.000	0.000	0.000	0.000	0.000	0	18.15	0.000	0.000	0.010	0.010	15
25	0.664	0.000	0.000	0.008	0.008	0.5	0.000	0.000	0.000	0.000	0.000	0	5.034	0.000	0.000	0.009	0.009	4
26	0.646	0.000	0.000	0.008	0.008	0.4	0.000	0.000	0.000	0.000	0.000	0	2.336	0.000	0.000	0.008	0.008	2
27	0.635	0.000	0.000	0.008	0.008	0.4	0.000	0.000	0.000	0.000	0.000	0	3.584	0.000	0.000	0.010	0.010	3
28	0.653	0.000	0.000	0.008	0.008	0.5	0.000	0.000	0.000	0.000	0.000	0	5.115	0.000	0.000	0.010	0.010	4
29	0.664	0.000	0.000	0.008	0.008	0.5	0.000	0.000	0.000	0.000	0.000	0	2.121	0.000	0.000	0.009	0.009	2
30	0.664	0.000	0.000	0.008	0.008	0.5	0.000	0.000	0.000	0.000	0.000	0	1.193	0.000	0.000	0.006	0.006	1
31	0.597	0.000	0.000	0.008	0.008	0.4							0.436	0.000	0.000	0.002	0.002	0.1
Ten Daily Mean																		
Ten Daily I	0.787	0.000	0.000	0.009	0.009	1	0.515	0.000	0.000	0.008	0.008	0.4	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	11.27	0.000	0.000	0.014	0.014	16	0.549	0.000	0.000	0.008	0.008	0.4	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.741	0.000	0.000	0.008	0.008	1	0.052	0.000	0.000	0.001	0.001	0.03	8.565	0.000	0.000	0.008	0.008	8
Monthly																		
Total						173						7						92

Annual Sediment Load (Metric Tonnes) : 366313

Page No 75

Annual Sediment Load for period : 1969-2018**Station Name : BAMNI (AGH30E2)****Division : Wainganga Div., Nagpur****Local River : Wardha****Sub-Division : Wardha Sub-division,Chandrapur**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1969-1970	32949403	2296	32951699	10269
1970-1971	63431474	6887	63438361	22766
1971-1972	8277273	1533	8278806	3731
1972-1973	12772175	980	12773155	4631
1973-1974	57981624	10364	57991989	18066
1974-1975	12587276	24913	12612188	5279
1975-1976	39131866	11933	39143800	15662
1976-1977	85311476	9748	85321223	15126
1977-1978	26590661	13526	26604188	11334
1978-1979	38715142	243458	38958600	16013
1979-1980	75719635	8476	75728111	16988
1980-1981	46744001	226400	46970401	14489
1981-1982	73341516	22355	73363871	20551
1982-1983	12527109	3372	12530482	5002
1983-1984	55451593	4130	55455724	22948
1984-1985	7535557	74757	7610314	3369
1985-1986	12058251	2531	12060781	6050
1986-1987	68225108	4394	68229503	17150
1987-1988	3344155	0	3344155	2676
1988-1989	52842342	0	52842342	28460
1989-1990	22699371	0	22699371	10167
1990-1991	18461552	0	18461552	24860
1991-1992	9265363	0	9265363	6144
1992-1993	17820347	0	17820347	14021
1993-1994	8894648	0	8894648	5697
1994-1995	44081116	1524	44082641	23130
1995-1996	27328802	0	27328802	12806
1996-1997	3751556	0	3751556	5137
1997-1998	1597976	0	1597976	3249
1998-1999	7325339	3272	7328612	8654
1999-2000	10600526	6521	10607047	12955
2000-2001	16877744	1713	16879457	9879
2001-2002	15192025	1141	15193166	9925
2002-2003	31305598	1450	31307048	13036
2003-2004	7953358	2514	7955872	8912
2004-2005	822652	7024	829676	1278
2005-2006	14630920	5465	14636386	11924
2006-2007	17998343	1618	17999961	16143
2007-2008	2642829	1857	2644686	11438
2008-2009	498285	1124	499409	3167
2009-2010	77958	2326	80284	1025
2010-2011	7884868	74129	7958997	17181
2011-2012	3473397	32454	3505851	7879
2012-2013	4583009	68405	4651414	10706
2013-2014	13398303	54200	13452503	28938
2014-2015	2575358	9088	2584445	6066

Annual Sediment Load for period : 1969-2018

Station Name : BAMNI (AGH30E2)

Division : Wainganga Div., Nagpur

Local River : Wardha

Sub-Division : Wardha Sub-division,Chandrapur

2015-2016	3628180	2352	3630532	5563
2016-2017	4200787	19869	4220656	9204
2017-2018	359748	6565	366313	1299

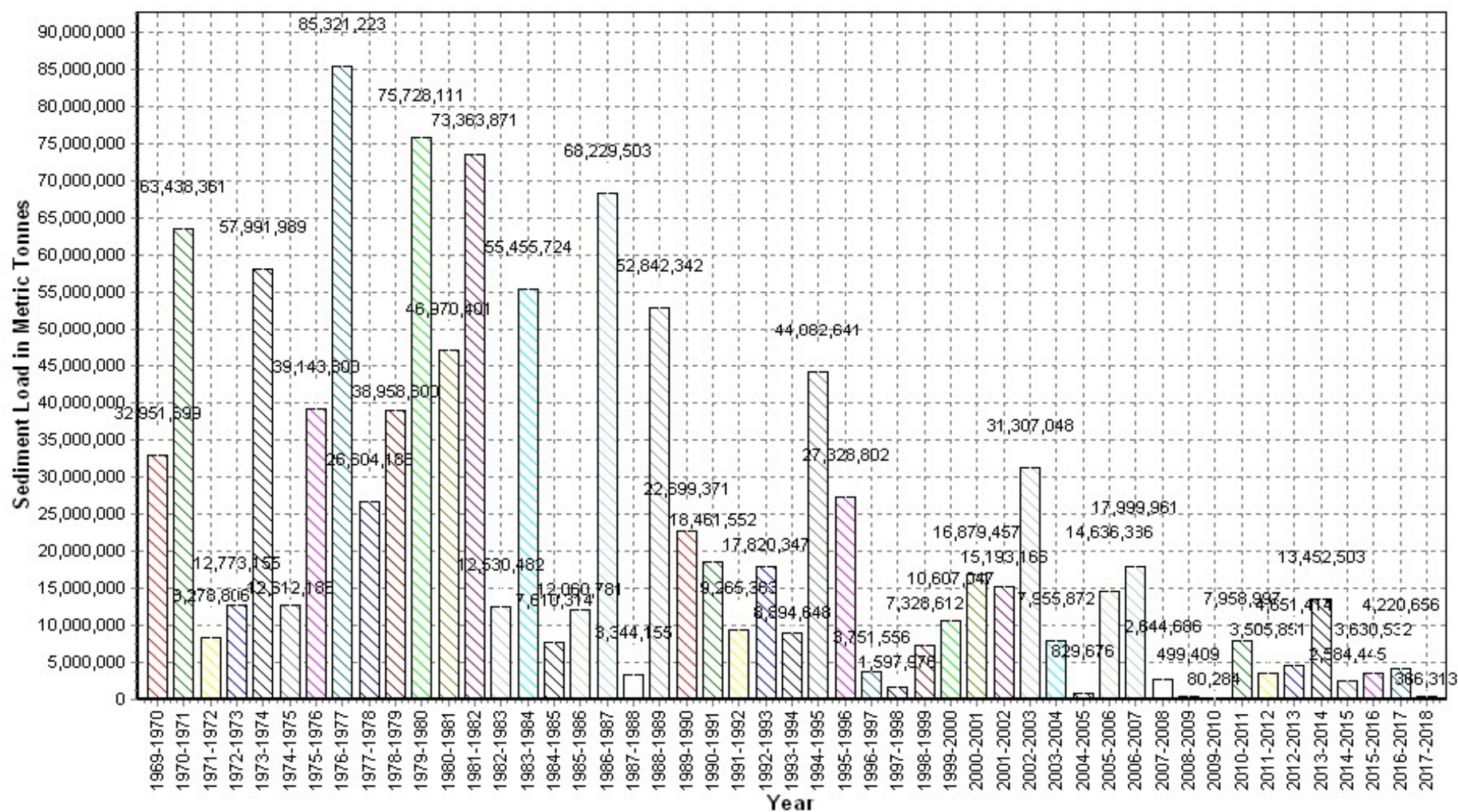
Annual Sediment Load for the period: 1969-2018

Station Name : BAMNI (AGH30E2)

Local River : Wardha

Division : Wainganga Div., Nagpur

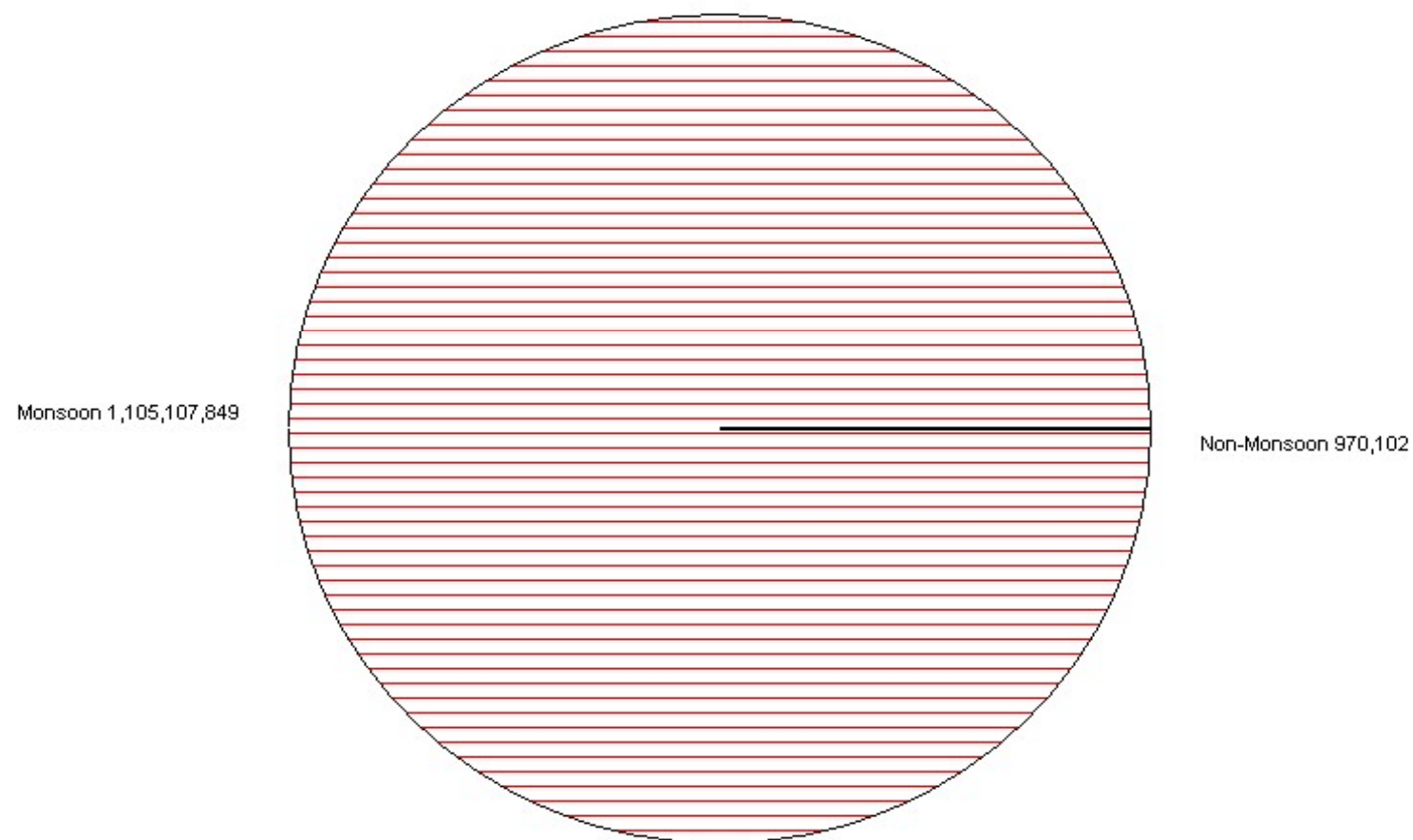
Sub-Division : Wardha Sub-division, Chandrapur



Station Name : BAMNI (AGH30E2)
Local River : Wardha

Seasonal Sediment Load for the period : 1969-2017

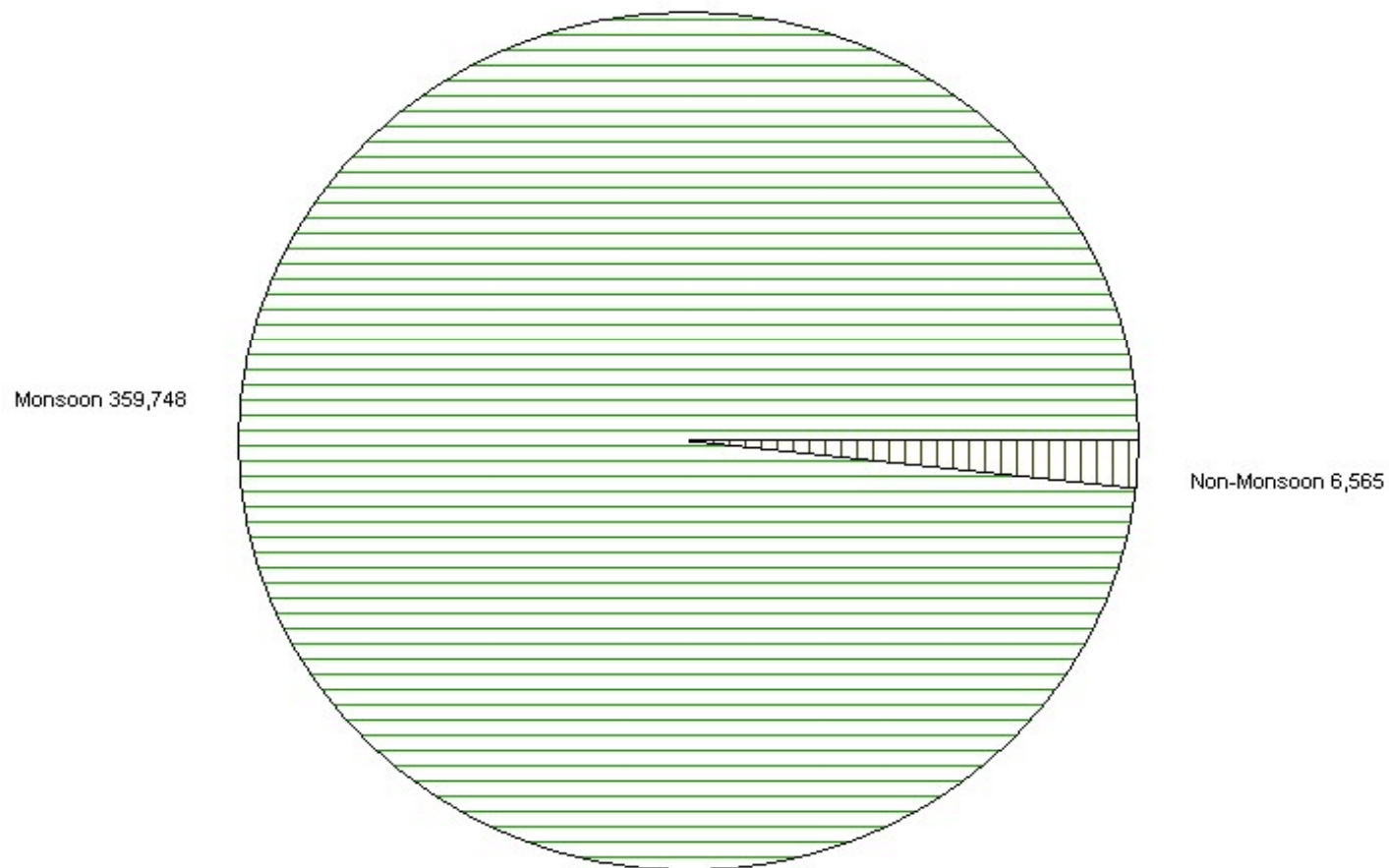
Division : Wainganga Div., Nagpur
Sub-Division : Wardha Sub-division, Chandrapur



Station Name : BAMNI (AGH30E2)
Local River : Wardha

Seasonal Sediment Load for the Year: 2017-2018

Division : Wainganga Div., Nagpur
Sub-Division : Wardha Sub-division, Chandrapur



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : WARDHA AT BAMNI CODE : AGH30E2
 MEASURING : WDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 22-05-17)

Discharge Observed :	11.26	cumec	Water edge RB :	210.00	m	LB :	37.00	m
Area of section :	58.68	sq.m	MeanVelocity :				0.2138	m/sec
Wetted perimeter :	173.01	m	Hydraulic Mean Depth :				0.3045	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	60		158.580	3.45		Av.mean		
2	120		158.240	2.50		dia "m" = 3.53		
3	180		158.210	3.69		Silt factor		
4	240		158.770	2.90		"f" =1.76 $\sqrt{m}$		
5	300		158.990	5.12		= 3.31		

Note : i) Discharge observation was at permanent section.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

Monsoon Survey (Date 27-09-17)

Discharge Observed :	94.97	cumec	Water edge RB :	284.00	m	LB :	34.00	m
Area of section :	194.64	sq.m	MeanVelocity :				0.488	m/sec
Wetted perimeter :	250.00	m	Hydraulic Mean Depth :				0.7796	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	60		158.540	1.15		Av.mean		
2	120		158.190	2.01		dia "m" = 2.71		
3	180		158.090	2.42		Silt factor		
4	240		158.940	3.57		"f" =1.76 $\sqrt{m}$		
5	300		159.870	4.40		= 2.90		

Note : i) Discharge observation was at station gauge line.
 ii) River bed : flowing water.
 iii) Water flows in single channel.

Postmonsoon Survey (Date 15-01-18)

Discharge Observed :	16.394	cumec	Water edge RB :	213.00	m	LB :	37.00	m
Area of section :	73.01	sq.m	MeanVelocity :				0.2245	m/sec
Wetted perimeter :	176.02	m	Hydraulic Mean Depth :				0.4148	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	60		158.640	4.42		Av.mean		
2	120		158.260	3.05		dia "m" = 3.92		
3	180		158.240	4.03		Silt factor		
4	240		158.030	3.34		"f" =1.76 $\sqrt{m}$		
5	300		159.870	4.75		= 3.48		

Note : i) Discharge observation was at station gauge line.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: P.G.BRIDGE	Code	: AGH32D5
State	: Maharashtra	District	Yeotmal
Basin	: Godavari	Independent River	: Godavari
Tributary	: Pranhita	Sub Tributary	: Wardha
Sub-Sub Tributary	: Penganga	Local River	: Penganga
Division	: Wainganga Div., Nagpur	Sub-Division	: Penganga Sd, Yeotmal
Drainage Area	: 18441 Sq. Km.	Bank	: Left
Latitude	: 19°49'03"	Longitude	: 78°34'40"
Zero of Gauge (m)	: 196.828 (m.s.l) 198.630 (m.s.l)	25/12/1964 01/12/1992	- 30/11/1992
	Opening Date	Closing Date	
Gauge	: 25/12/1964		
Discharge	: 21/07/1965		
Sediment	: 19/10/1965		
Water Quality	: 31/05/1966		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : P.G.BRIDGE (AGH32D5)

Local River : Penganga

Division : Wainganga Div., Nagpur

Sub-Division : Penganga Sd, Yeotmal

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	0.216	0.000	0.000	0.010	0.010	0.2	47.73	0.000	0.000	0.120	0.120	495	7.155	0.000	0.000	0.034	0.034	21
2	0.170	0.000	0.000	0.009	0.009	0.1	32.43	0.000	0.000	0.114	0.114	319	8.552	0.000	0.000	0.032	0.032	24
3	0.167	0.000	0.000	0.008	0.008	0.1	36.89	0.000	0.000	0.120	0.120	382	8.208	0.000	0.000	0.051	0.051	36
4	0.097	0.000	0.000	0.006	0.006	0.1	40.94	0.000	0.000	0.130	0.130	460	6.319	0.000	0.000	0.027	0.027	15
5	3.389	0.000	0.000	0.022	0.022	7	45.27	0.000	0.000	0.140	0.140	548	6.925	0.000	0.000	0.024	0.024	15
6	2.399	0.000	0.000	0.022	0.022	5	32.09	0.000	0.000	0.110	0.110	305	7.860	0.000	0.000	0.030	0.030	20
7	3.360	0.000	0.000	0.035	0.035	10	22.34	0.000	0.000	0.100	0.100	193	5.208	0.000	0.000	0.030	0.030	14
8	3.669	0.000	0.000	0.037	0.037	12	15.68	0.000	0.000	0.033	0.033	45	3.697	0.000	0.000	0.027	0.027	9
9	3.948	0.000	0.000	0.040	0.040	14	12.69	0.000	0.000	0.030	0.030	33	3.648	0.000	0.000	0.032	0.032	10
10	8.215	0.000	0.000	0.050	0.050	35	11.78	0.000	0.000	0.035	0.035	35	3.217	0.000	0.000	0.030	0.030	8
11	97.73	0.000	0.000	0.080	0.080	675	12.69	0.000	0.000	0.040	0.040	44	2.878	0.000	0.000	0.020	0.020	5
12	46.46	0.000	0.000	0.060	0.060	241	7.786	0.000	0.000	0.027	0.027	18	2.512	0.000	0.000	0.020	0.020	4
13	221.8	0.000	0.000	0.250	0.250	4790	8.313	0.000	0.000	0.034	0.034	24	2.084	0.000	0.000	0.020	0.020	4
14	47.40	0.000	0.000	0.120	0.120	491	7.121	0.000	0.000	0.025	0.025	16	2.766	0.000	0.000	0.022	0.022	5
15	103.3	0.000	0.000	0.150	0.150	1339	5.975	0.000	0.000	0.023	0.023	12	3.319	0.000	0.000	0.025	0.025	7
16	30.21	0.000	0.000	0.100	0.100	261	5.149	0.000	0.000	0.020	0.020	9	2.890	0.000	0.000	0.024	0.024	6
17	185.1	0.000	0.000	0.190	0.190	3039	7.498	0.000	0.000	0.030	0.030	19	2.374	0.000	0.000	0.018	0.018	4
18	115.1	0.000	0.000	0.170	0.170	1690	11.07	0.000	0.000	0.033	0.033	32	29.94	0.000	0.000	0.060	0.060	155
19	43.12	0.000	0.000	0.100	0.100	373	20.27	0.000	0.000	0.050	0.050	88	24.43	0.000	0.000	0.052	0.052	110
20	49.57	0.000	0.000	0.114	0.114	488	58.77	0.000	0.000	0.100	0.100	508	18.59	0.000	0.000	0.025	0.025	40
21	54.25	0.000	0.000	0.120	0.120	562	44.11	0.000	0.000	0.100	0.100	379	22.81	0.000	0.000	0.032	0.032	63
22	45.33	0.000	0.000	0.100	0.100	392	35.04	0.000	0.000	0.066	0.066	200	125.0	0.000	0.000	0.044	0.044	475
23	109.9	0.000	0.000	0.200	0.200	1899	24.08	0.000	0.000	0.060	0.060	125	53.06	0.000	0.000	0.036	0.036	165
24	62.43	0.000	0.000	0.130	0.130	701	23.68	0.000	0.000	0.046	0.046	94	130.3	0.000	0.000	0.050	0.050	563
25	60.66	0.000	0.000	0.120	0.120	629	19.58	0.000	0.000	0.023	0.023	39	68.88	0.000	0.000	0.030	0.030	179
26	32.43	0.000	0.000	0.100	0.100	280	16.61	0.000	0.000	0.020	0.020	28	156.1	0.000	0.000	0.055	0.055	742
27	24.06	0.000	0.000	0.064	0.064	133	17.69	0.000	0.000	0.036	0.036	55	70.30	0.000	0.000	0.035	0.035	213
28	141.1	0.000	0.000	0.172	0.172	2097	15.06	0.000	0.000	0.039	0.039	50	34.34	0.000	0.000	0.030	0.030	89
29	63.54	0.000	0.000	0.110	0.110	604	12.23	0.000	0.000	0.030	0.030	32	113.6	0.000	0.000	0.172	0.172	1689
30	41.95	0.000	0.000	0.100	0.100	362	13.45	0.000	0.000	0.033	0.033	38	267.3	0.000	0.000	0.210	0.210	4851
31							8.660	0.000	0.000	0.030	0.030	22	243.8	0.000	0.000	0.190	0.190	4001
Ten Daily Mean																		
Ten Daily I	2.563	0.000	0.000	0.024	0.024	8	29.79	0.000	0.000	0.093	0.093	282	6.079	0.000	0.000	0.032	0.032	17
Ten Daily II	93.98	0.000	0.000	0.133	0.133	1339	14.46	0.000	0.000	0.038	0.038	77	9.178	0.000	0.000	0.029	0.029	34
Ten Daily III	63.57	0.000	0.000	0.122	0.122	766	20.93	0.000	0.000	0.044	0.044	97	116.9	0.000	0.000	0.080	0.080	1184
Monthly																		
Total						21130						4647						13541

Annual Sediment Load (Metric Tonnes) : 51746

Page No 83

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : P.G.BRIDGE (AGH32D5)

Local River : Penganga

Division : Wainganga Div., Nagpur

Sub-Division : Penganga Sd, Yeotmal

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	177.8	0.000	0.000	0.150	0.150	2305	5.944	0.000	0.000	0.010	0.010	5	2.449	0.000	0.000	0.053	0.053	11
2	88.76	0.000	0.000	0.050	0.050	383	4.446	0.000	0.000	0.010	0.010	4	1.571	0.000	0.000	0.049	0.049	7
3	62.02	0.000	0.000	0.040	0.040	214	3.670	0.000	0.000	0.010	0.010	3	1.609	0.000	0.000	0.030	0.030	4
4	55.76	0.000	0.000	0.035	0.035	169	3.753	0.000	0.000	0.010	0.010	3	0.960	0.000	0.000	0.020	0.020	2
5	54.15	0.000	0.000	0.034	0.034	159	2.910	0.000	0.000	0.009	0.009	2	0.830	0.000	0.000	0.018	0.018	1
6	44.45	0.000	0.000	0.030	0.030	115	2.202	0.000	0.000	0.009	0.009	2	0.809	0.000	0.000	0.016	0.016	1
7	29.39	0.000	0.000	0.030	0.030	76	1.942	0.000	0.000	0.009	0.009	1	0.599	0.000	0.000	0.015	0.015	1
8	24.07	0.000	0.000	0.027	0.027	56	1.693	0.000	0.000	0.008	0.008	1	0.408	0.000	0.000	0.014	0.014	0.5
9	135.4	0.000	0.000	0.130	0.130	1520	1.758	0.000	0.000	0.007	0.007	1	0.297	0.000	0.000	0.010	0.010	0.3
10	51.94	0.000	0.000	0.090	0.090	404	1.349	0.000	0.000	0.007	0.007	1	0.229	0.000	0.000	0.010	0.010	0.2
11	28.90	0.000	0.000	0.065	0.065	162	1.115	0.000	0.000	0.007	0.007	1	0.138	0.000	0.000	0.009	0.009	0.1
12	20.45	0.000	0.000	0.070	0.070	124	1.031	0.000	0.000	0.006	0.006	1	0.083	0.000	0.000	0.006	0.006	0.04
13	21.58	0.000	0.000	0.101	0.101	189	16.73	0.000	0.000	0.036	0.036	52	0.045	0.000	0.000	0.004	0.004	0.02
14	20.65	0.000	0.000	0.060	0.060	107	17.98	0.000	0.000	0.050	0.050	78	0.000	0.000	0.000	0.000	0.000	0
15	36.16	0.000	0.000	0.080	0.080	250	31.25	0.000	0.000	0.070	0.070	189	0.000	0.000	0.000	0.000	0.000	0
16	202.3	0.000	0.000	0.154	0.154	2692	24.43	0.000	0.000	0.070	0.070	148	0.000	0.000	0.000	0.000	0.000	0
17	59.40	0.000	0.000	0.080	0.080	411	21.70	0.000	0.000	0.050	0.050	94	0.000	0.000	0.000	0.000	0.000	0
18	26.53	0.000	0.000	0.065	0.065	149	12.19	0.000	0.000	0.061	0.061	64	0.000	0.000	0.000	0.000	0.000	0
19	18.27	0.000	0.000	0.052	0.052	82	27.03	0.000	0.000	0.065	0.065	152	0.000	0.000	0.000	0.000	0.000	0
20	38.34	0.000	0.000	0.060	0.060	199	11.89	0.000	0.000	0.050	0.050	51	0.000	0.000	0.000	0.000	0.000	0
21	51.69	0.000	0.000	0.120	0.120	536	9.732	0.000	0.000	0.040	0.040	33	0.000	0.000	0.000	0.000	0.000	0
22	32.88	0.000	0.000	0.075	0.075	213	5.014	0.000	0.000	0.034	0.034	15	0.000	0.000	0.000	0.000	0.000	0
23	48.73	0.000	0.000	0.081	0.081	340	10.52	0.000	0.000	0.038	0.038	35	0.000	0.000	0.000	0.000	0.000	0
24	24.67	0.000	0.000	0.050	0.050	107	9.011	0.000	0.000	0.064	0.064	50	0.000	0.000	0.000	0.000	0.000	0
25	12.28	0.000	0.000	0.040	0.040	43	6.892	0.000	0.000	0.061	0.061	36	0.000	0.000	0.000	0.000	0.000	0
26	23.82	0.000	0.000	0.070	0.070	144	6.476	0.000	0.000	0.056	0.056	31	0.000	0.000	0.000	0.000	0.000	0
27	15.49	0.000	0.000	0.042	0.042	56	3.919	0.000	0.000	0.045	0.045	15	0.000	0.000	0.000	0.000	0.000	0
28	13.45	0.000	0.000	0.040	0.040	46	4.446	0.000	0.000	0.050	0.050	19	0.000	0.000	0.000	0.000	0.000	0
29	8.903	0.000	0.000	0.020	0.020	15	3.430	0.000	0.000	0.042	0.042	12	0.000	0.000	0.000	0.000	0.000	0
30	6.971	0.000	0.000	0.010	0.010	6	4.005	0.000	0.000	0.046	0.046	16	0.000	0.000	0.000	0.000	0.000	0
31							3.086	0.000	0.000	0.045	0.045	12						
Ten Daily Mean																		
Ten Daily I	72.37	0.000	0.000	0.062	0.062	540	2.967	0.000	0.000	0.009	0.009	2	0.976	0.000	0.000	0.024	0.024	3
Ten Daily II	47.26	0.000	0.000	0.079	0.079	436	16.53	0.000	0.000	0.046	0.046	83	0.027	0.000	0.000	0.002	0.002	0
Ten Daily III	23.89	0.000	0.000	0.055	0.055	151	6.049	0.000	0.000	0.047	0.047	25	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						11273						1127						28

Annual Sediment Load (Metric Tonnes) : 51746

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : P.G.BRIDGE (AGH32D5)

Local River : Penganga

Division : Wainganga Div., Nagpur

Sub-Division : Penganga Sd, Yeotmal

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) : 51746

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : P.G.BRIDGE (AGH32D5)

Local River : Penganga

Division : Wainganga Div., Nagpur

Sub-Division : Penganga Sd, Yeotmal

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) : 51746

Annual Sediment Load for period : 1970-2018**Station Name : P.G.BRIDGE (AGH32D5)****Division : Wainganga Div., Nagpur****Local River : Penganga****Sub-Division : Penganga Sd, Yeotmal**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1970-1971	18370298	538	18370835	7091
1971-1972	2581871	382	2582253	942
1972-1973	8331137	783	8331919	1749
1973-1974	18104631	2550	18107181	5830
1974-1975	3000561	1587	3002148	1567
1975-1976	13760139	887	13761026	5742
1976-1977	18731927	357	18732284	5549
1977-1978	7452081	610	7452692	3769
1978-1979	11546352	33205	11579557	5415
1979-1980	16246862	443	16247305	4204
1980-1981	12645085	1192	12646277	5742
1981-1982	8226409	10947	8237356	5545
1982-1983	3909331	1400	3910731	1959
1983-1984	22466078	2451	22468529	13629
1984-1985	251488	418	251906	605
1985-1986	5665517	58	5665574	1946
1986-1987	14747855	736	14748591	4015
1987-1988	2271658	186	2271843	1428
1988-1989	18936517	261	18936778	13397
1989-1990	7770891	0	7770891	6211
1990-1991	11044353	308	11044661	11163
1991-1992	1274783	0	1274783	952
1992-1993	10871519	0	10871519	5208
1993-1994	3295527	0	3295527	2287
1994-1995	5384686	0	5384686	5201
1995-1996	8306599	0	8306599	4054
1996-1997	1978227	301	1978529	2661
1997-1998	282525	9171	291697	997
1998-1999	3004970	669	3005639	4349
1999-2000	5566759	1294	5568053	5865
2000-2001	2965146	650	2965796	3090
2001-2002	3039421	686	3040107	4135
2002-2003	9730728	2808	9733536	8122
2003-2004	2027269	466	2027735	3583
2004-2005	148644	678	149322	266
2005-2006	11201126	950	11202076	5179
2006-2007	11494768	1810	11496578	8374
2007-2008	987792	815	988607	1729
2008-2009	752049	1	752050	1093
2009-2010	650155	8	650162	445
2010-2011	11127056	1163	11128219	7351
2011-2012	2893245	1013	2894258	2592
2012-2013	3290112	1824	3291936	3712
2013-2014	5969285	5127	5974412	12686
2014-2015	931078	26	931104	1210
2015-2016	1742413	5	1742418	1390
2016-2017	4282295	394	4282690	4770
2017-2018	51746	0	51746	468

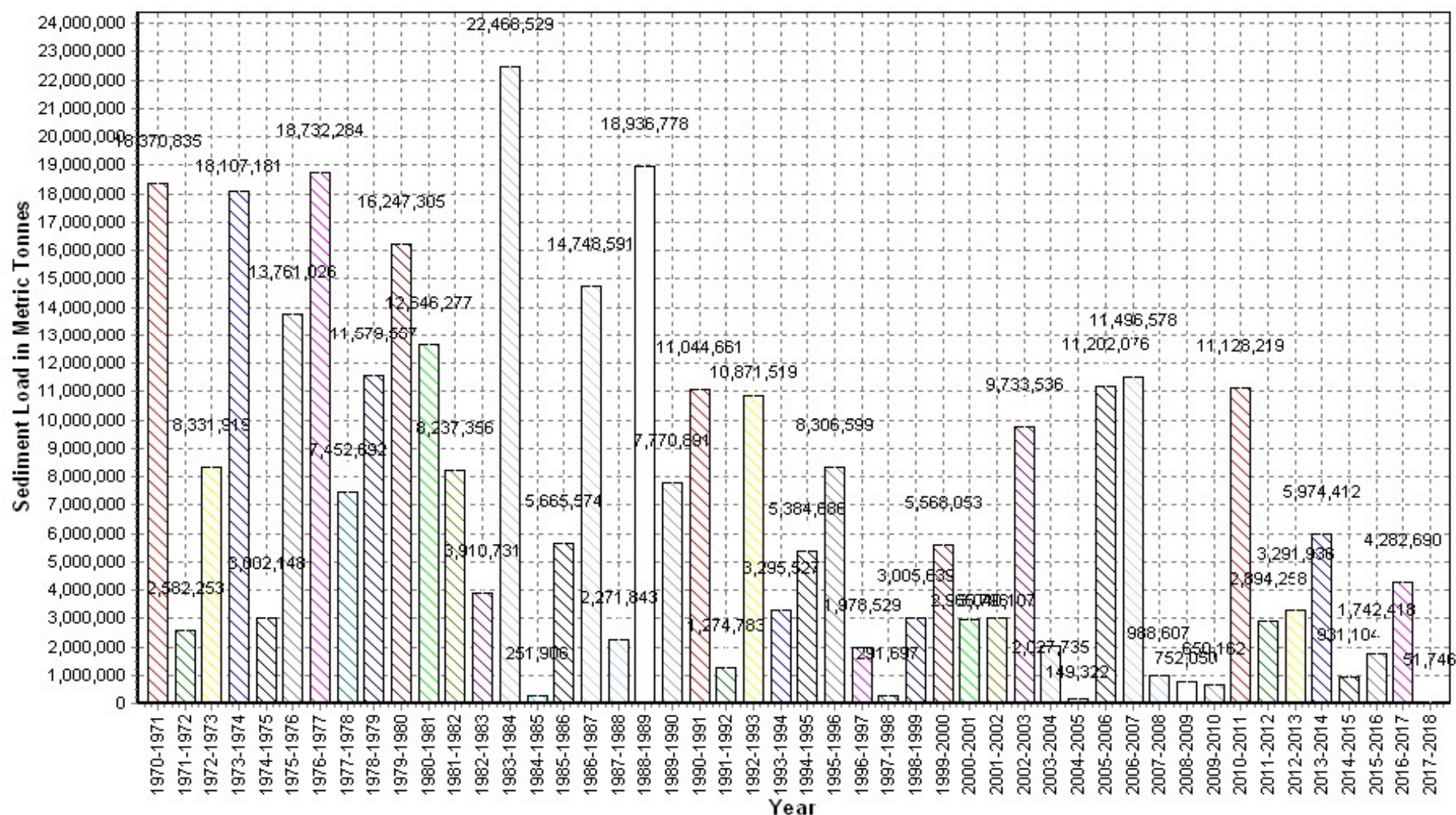
Annual Sediment Load for the period: 1970-2018

Station Name : P.G.BRIDGE (AGH32D5)

Local River : Penganga

Division : Wainganga Div., Nagpur

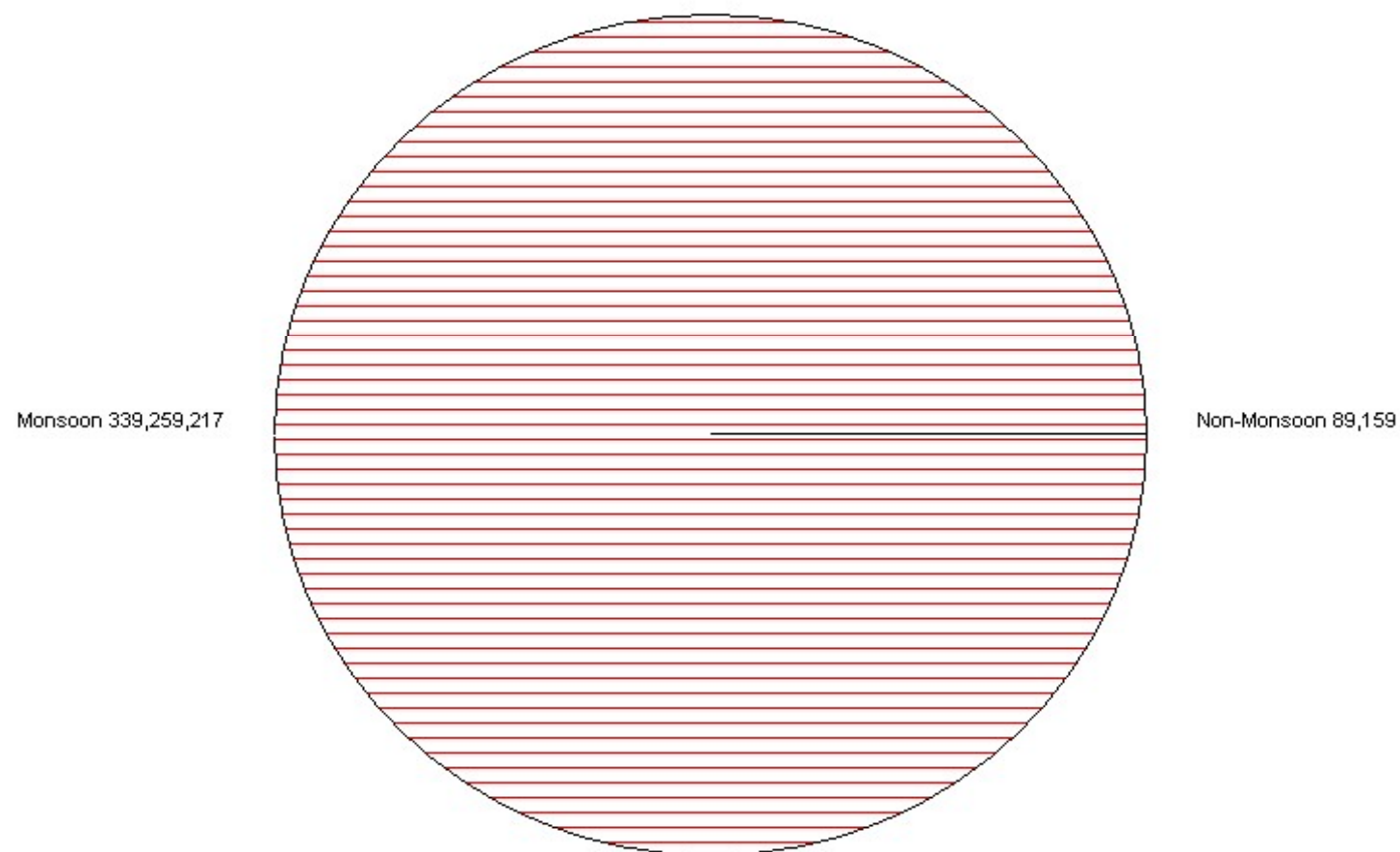
Sub-Division : Penganga Sd, Yeotmal



Station Name : P.G.BRIDGE (AGH32D5)
Local River : Penganga

Seasonal Sediment Load for the period : 1970-2017

Division : Wainganga Div., Nagpur
Sub-Division : Penganga Sd, Yeotmal



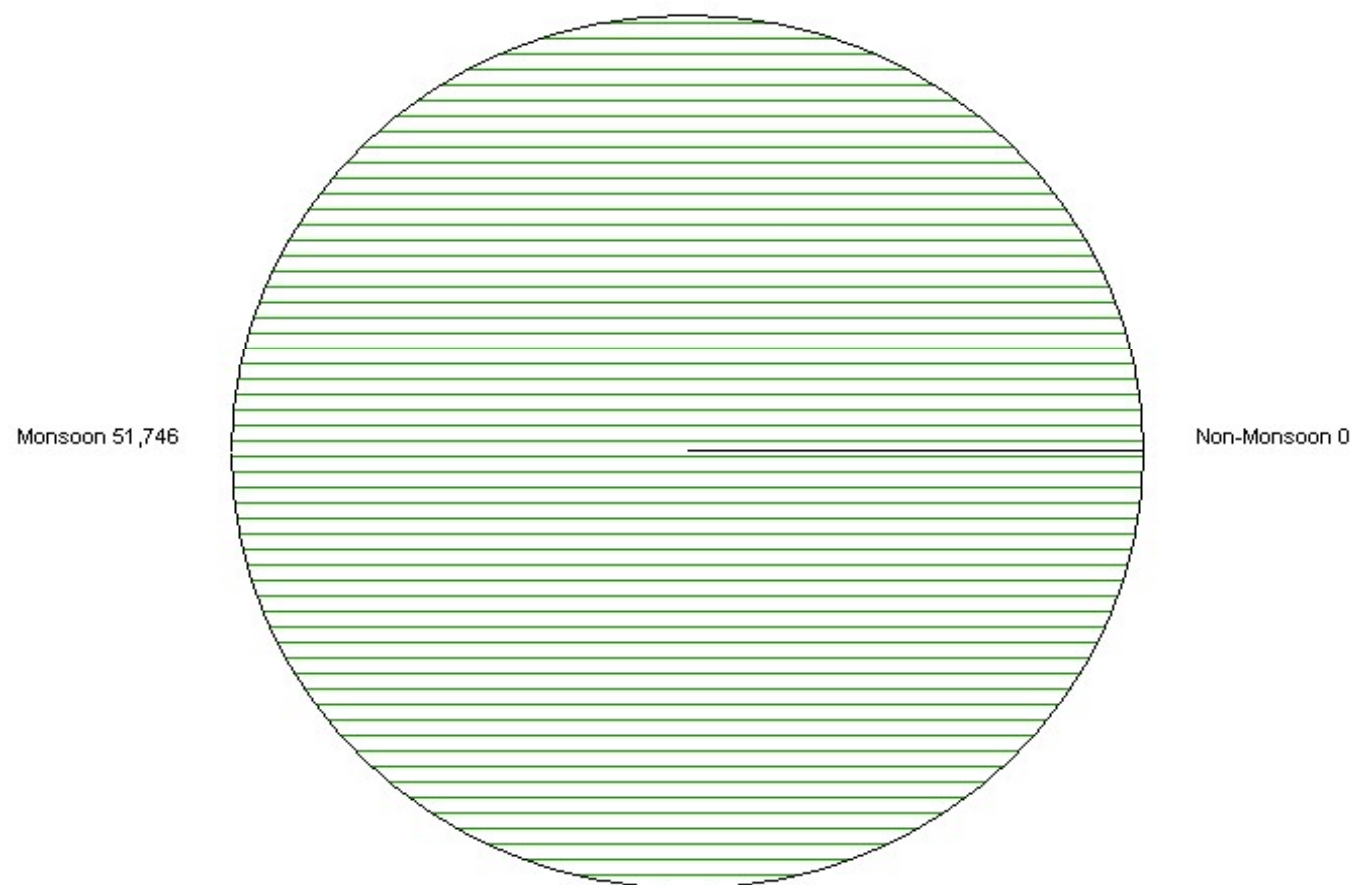
Seasonal Sediment Load for the Year: 2017-2018

Station Name : P.G.BRIDGE (AGH32D5)

Local River : Penganga

Division : Wainganga Div., Nagpur

Sub-Division : Penganga Sd, Yeotmal



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : PENGANGA AT P.G. BRIDGE CODE : AGH32D5
 MEASURING : WDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 16-05-17)

Discharge Observed	: 0.0 (No Flow)	cumec	Water edge RB :	255.00 m	LB :	203.00 m	
Area of section	: 26.48	sq.m	MeanVelocity	:		0	m/sec
Wetted perimeter	: 52.0	m	Hydraulic Mean Depth	:		0.5092	m
Sl. No	R.D. of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks	
1	50		203.500	3.16		Av.mean	
2	100		202.750	2.99		dia "m" = 2.06	
3	150		200.290	2.21		Silt factor	
4	200		199.800	1.40		"f" = 1.76 $\sqrt{m}$	
5	250		199.190	0.53		= 2.53	

Note : i) Discharge observation was at station gauge line.
 ii) River bed: Stagnant water.

Monsoon Survey (Date 12-09-17)

Discharge Observed	: 20.448	cumec	Water edge RB :	261.50 m	LB :	188.00 m	
Area of section	: 68.32	sq.m	MeanVelocity	:		0.2993	m/sec
Wetted perimeter	: 73.62	m	Hydraulic Mean Depth	:		0.9280	m
Sl. No	R.D. of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks	
1	50		203.480	4.05		Av.mean	
2	100		202.750	3.06		dia "m" = 2.80	
3	150		200.285	3.66		Silt factor	
4	200		199.810	2.14		"f" = 1.76 $\sqrt{m}$	
5	250		199.590	1.09		= 2.94	

Note : i) Discharge observation was at station gauge line.
 ii) River bed : flowing water.
 iii) Water flows in single channel.

Postmonsoon Survey (Date 07-12-18)

Discharge Observed	: No Flow	cumec	Water edge RB :	255.00 m	LB :	201.50 m	
Area of section	: 33.94	sq.m	MeanVelocity	:		0.128	m/sec
Wetted perimeter	: 53.50	m	Hydraulic Mean Depth	:		0.6344	m
Sl. No	R.D. of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks	
1	50		202.470	3.37		Av.mean	
2	100		202.740	2.36		dia "m" = 2.37	
3	150		202.270	2.39		Silt factor	
4	200		198.850	1.77		"f" = 1.76 $\sqrt{m}$	
5	250		199.100	1.96		= 2.71	

Note : i) Discharge observation was at gage line.
 ii) No Flow.
 iii) Water flows in single channel.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: NANDGAON	Code	: AGH3AF4
State	: Maharashtra	District	Wardha
Basin	: Godavari	Independent River	: Godavari
Tributary	: Pranhita	Sub Tributary	: Wardha
Sub-Sub Tributary	: Wunna	Local River	: Wunna
Division	: Wainganga Div., Nagpur	Sub-Division	: Penganga Sd, Yeotmal
Drainage Area	: 4580 Sq. Km.	Bank	: Left
Latitude	: 20°32'00"	Longitude	: 78°49'33"
Zero of Gauge (m)	: 198.000 (m.s.l)	28/10/1985	
	Opening Date	Closing Date	
Gauge	: 28/10/1985		
Discharge	: 21/07/1986		
Sediment	: 13/07/1988		
Water Quality	: 01/01/1988		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : NANDGAON (AGH3AF4)

Local River : Wunna

Division : Wainganga Div., Nagpur

Sub-Division : Penganga Sd, Yeotmal

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	37.23	0.000	0.000	0.105	0.105	337	8.856	0.000	0.000	0.010	0.010	7
2	0.000	0.000	0.000	0.000	0.000	0	24.33	0.000	0.000	0.091	0.091	191	7.001	0.000	0.000	0.011	0.011	6
3	0.000	0.000	0.000	0.000	0.000	0	26.17	0.000	0.000	0.099	0.099	223	5.887	0.000	0.000	0.008	0.008	4
4	0.000	0.000	0.000	0.000	0.000	0	11.54	0.000	0.000	0.088	0.088	88	5.212	0.000	0.000	0.007	0.007	3
5	0.000	0.000	0.000	0.000	0.000	0	8.545	0.000	0.000	0.076	0.076	56	5.172	0.000	0.000	0.007	0.007	3
6	0.000	0.000	0.000	0.000	0.000	0	7.955	0.000	0.000	0.068	0.068	47	4.054	0.000	0.000	0.007	0.007	2
7	0.000	0.000	0.000	0.000	0.000	0	5.642	0.000	0.000	0.064	0.064	31	3.104	0.000	0.000	0.009	0.009	2
8	0.000	0.000	0.000	0.000	0.000	0	4.242	0.000	0.000	0.062	0.062	23	46.10	0.000	0.000	0.017	0.017	66
9	0.000	0.000	0.000	0.000	0.000	0	3.560	0.000	0.000	0.060	0.060	18	48.77	0.000	0.000	0.020	0.020	82
10	0.000	0.000	0.000	0.000	0.000	0	3.238	0.000	0.000	0.060	0.060	17	25.52	0.000	0.000	0.017	0.017	36
11	0.000	0.000	0.000	0.000	0.000	0	2.935	0.000	0.000	0.060	0.060	15	14.97	0.000	0.000	0.015	0.015	19
12	0.000	0.000	0.000	0.000	0.000	0	2.583	0.000	0.000	0.060	0.060	13	9.250	0.000	0.000	0.011	0.011	9
13	0.000	0.000	0.000	0.000	0.000	0	2.446	0.000	0.000	0.062	0.062	13	8.583	0.000	0.000	0.010	0.010	7
14	0.000	0.000	0.000	0.000	0.000	0	2.353	0.000	0.000	0.047	0.047	10	6.956	0.000	0.000	0.011	0.011	6
15	0.000	0.000	0.000	0.000	0.000	0	2.334	0.000	0.000	0.046	0.046	9	4.309	0.000	0.000	0.010	0.010	4
16	2.702	0.000	0.000	0.122	0.122	28	2.251	0.000	0.000	0.029	0.029	6	5.673	0.000	0.000	0.008	0.008	4
17	6.434	0.000	0.000	0.209	0.209	116	2.313	0.000	0.000	0.028	0.028	6	4.636	0.000	0.000	0.013	0.013	5
18	4.553	0.000	0.000	0.165	0.165	65	2.403	0.000	0.000	0.029	0.029	6	4.021	0.000	0.000	0.014	0.014	5
19	4.140	0.000	0.000	0.160	0.160	57	505.5	0.000	0.000	0.250	0.250	10919	6.204	0.000	0.000	0.020	0.020	11
20	3.560	0.000	0.000	0.100	0.100	31	76.09	0.000	0.000	0.100	0.100	657	41.75	0.000	0.000	0.050	0.050	180
21	3.030	0.000	0.000	0.050	0.050	13	24.23	0.000	0.000	0.090	0.090	188	23.29	0.000	0.000	0.040	0.040	80
22	3.560	0.000	0.000	0.090	0.090	28	14.23	0.000	0.000	0.060	0.060	74	14.64	0.000	0.000	0.035	0.035	44
23	0.000	0.000	0.000	0.000	0.000	0	13.25	0.000	0.000	0.040	0.040	46	28.77	0.000	0.000	0.033	0.033	81
24	0.000	0.000	0.000	0.000	0.000	0	11.94	0.000	0.000	0.025	0.025	26	28.24	0.000	0.000	0.032	0.032	79
25	0.000	0.000	0.000	0.000	0.000	0	11.69	0.000	0.000	0.022	0.022	22	62.81	0.000	0.000	0.045	0.045	244
26	0.000	0.000	0.000	0.000	0.000	0	10.87	0.000	0.000	0.020	0.020	19	21.73	0.000	0.000	0.032	0.032	60
27	0.000	0.000	0.000	0.000	0.000	0	14.62	0.000	0.000	0.025	0.025	32	13.25	0.000	0.000	0.020	0.020	23
28	123.6	0.000	0.000	0.319	0.319	3405	14.28	0.000	0.000	0.023	0.023	28	15.97	0.000	0.000	0.023	0.023	32
29	23.79	0.000	0.000	0.178	0.178	366	12.78	0.000	0.000	0.020	0.020	22	29.83	0.000	0.000	0.065	0.065	167
30	122.4	0.000	0.000	0.300	0.300	3172	12.82	0.000	0.000	0.020	0.020	22	180.3	0.000	0.000	0.244	0.244	3795
31							9.612	0.000	0.000	0.011	0.011	9	197.6	0.000	0.000	0.331	0.331	5644
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	13.24	0.000	0.000	0.077	0.077	103	15.97	0.000	0.000	0.011	0.011	21
Ten Daily II	2.139	0.000	0.000	0.076	0.076	30	60.12	0.000	0.000	0.071	0.071	1165	10.64	0.000	0.000	0.016	0.016	25
Ten Daily III	27.64	0.000	0.000	0.094	0.094	698	13.67	0.000	0.000	0.032	0.032	44	56.04	0.000	0.000	0.082	0.082	932
Monthly																		
Total						7281						13173						10711

Annual Sediment Load (Metric Tonnes) : 41420

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : NANDGAON (AGH3AF4)

Local River : Wunna

Division : Wainganga Div., Nagpur

Sub-Division : Penganga Sd, Yeotmal

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	52.61	0.000	0.000	0.076	0.076	345	18.79	0.000	0.000	0.015	0.015	24	4.117	0.000	0.000	0.014	0.014	5
2	22.41	0.000	0.000	0.030	0.030	58	15.00	0.000	0.000	0.010	0.010	13	3.876	0.000	0.000	0.014	0.014	5
3	16.37	0.000	0.000	0.026	0.026	37	12.11	0.000	0.000	0.010	0.010	10	4.084	0.000	0.000	0.014	0.014	5
4	12.01	0.000	0.000	0.032	0.032	33	11.78	0.000	0.000	0.012	0.012	12	5.875	0.000	0.000	0.011	0.011	6
5	11.25	0.000	0.000	0.034	0.034	33	10.09	0.000	0.000	0.012	0.012	11	6.295	0.000	0.000	0.012	0.012	6
6	11.53	0.000	0.000	0.039	0.039	38	10.09	0.000	0.000	0.012	0.012	11	6.693	0.000	0.000	0.012	0.012	7
7	10.98	0.000	0.000	0.038	0.038	36	8.093	0.000	0.000	0.014	0.014	10	5.507	0.000	0.000	0.012	0.012	5
8	10.38	0.000	0.000	0.042	0.042	37	22.41	0.000	0.000	0.018	0.018	35	6.195	0.000	0.000	0.013	0.013	7
9	8.877	0.000	0.000	0.019	0.019	15	42.20	0.000	0.000	0.027	0.027	98	6.195	0.000	0.000	0.013	0.013	7
10	7.894	0.000	0.000	0.016	0.016	11	110.7	0.000	0.000	0.027	0.027	258	6.124	0.000	0.000	0.012	0.012	7
11	10.91	0.000	0.000	0.010	0.010	10	39.86	0.000	0.000	0.040	0.040	139	5.952	0.000	0.000	0.012	0.012	6
12	10.27	0.000	0.000	0.022	0.022	20	24.84	0.000	0.000	0.052	0.052	112	5.672	0.000	0.000	0.012	0.012	6
13	21.36	0.000	0.000	0.042	0.042	77	26.29	0.000	0.000	0.052	0.052	118	5.472	0.000	0.000	0.012	0.012	5
14	23.56	0.000	0.000	0.066	0.066	134	55.96	0.000	0.000	0.065	0.065	313	5.900	0.000	0.000	0.012	0.012	6
15	33.05	0.000	0.000	0.061	0.061	175	38.28	0.000	0.000	0.030	0.030	99	6.826	0.000	0.000	0.012	0.012	7
16	28.95	0.000	0.000	0.053	0.053	133	38.28	0.000	0.000	0.030	0.030	100	7.075	0.000	0.000	0.012	0.012	8
17	26.31	0.000	0.000	0.047	0.047	107	22.26	0.000	0.000	0.019	0.019	37	6.915	0.000	0.000	0.012	0.012	7
18	26.52	0.000	0.000	0.052	0.052	119	15.87	0.000	0.000	0.018	0.018	24	6.657	0.000	0.000	0.012	0.012	7
19	159.8	0.000	0.000	0.107	0.107	1472	10.86	0.000	0.000	0.017	0.017	15	8.146	0.000	0.000	0.017	0.017	12
20	37.51	0.000	0.000	0.047	0.047	152	10.90	0.000	0.000	0.017	0.017	16	7.879	0.000	0.000	0.016	0.016	11
21	172.1	0.000	0.000	0.091	0.091	1356	10.55	0.000	0.000	0.017	0.017	15	7.791	0.000	0.000	0.015	0.015	10
22	211.0	0.000	0.000	0.091	0.091	1664	8.146	0.000	0.000	0.017	0.017	12	8.430	0.000	0.000	0.017	0.017	12
23	85.68	0.000	0.000	0.056	0.056	418	9.332	0.000	0.000	0.022	0.022	17	7.621	0.000	0.000	0.016	0.016	11
24	43.18	0.000	0.000	0.020	0.020	75	9.026	0.000	0.000	0.021	0.021	17	9.274	0.000	0.000	0.017	0.017	14
25	35.59	0.000	0.000	0.015	0.015	47	7.378	0.000	0.000	0.018	0.018	11	9.161	0.000	0.000	0.017	0.017	13
26	36.90	0.000	0.000	0.040	0.040	128	6.900	0.000	0.000	0.017	0.017	10	9.447	0.000	0.000	0.024	0.024	20
27	47.54	0.000	0.000	0.040	0.040	165	5.484	0.000	0.000	0.016	0.016	8	8.646	0.000	0.000	0.024	0.024	18
28	48.23	0.000	0.000	0.038	0.038	158	5.106	0.000	0.000	0.016	0.016	7	9.123	0.000	0.000	0.024	0.024	19
29	34.90	0.000	0.000	0.037	0.037	110	5.086	0.000	0.000	0.014	0.014	6	9.733	0.000	0.000	0.025	0.025	21
30	25.17	0.000	0.000	0.025	0.025	54	4.587	0.000	0.000	0.015	0.015	6	9.408	0.000	0.000	0.023	0.023	19
31							4.544	0.000	0.000	0.015	0.015	6						
Ten Daily Mean																		
Ten Daily I	16.43	0.000	0.000	0.035	0.035	64	26.13	0.000	0.000	0.016	0.016	48	5.496	0.000	0.000	0.013	0.013	6
Ten Daily II	37.82	0.000	0.000	0.051	0.051	240	28.34	0.000	0.000	0.034	0.034	97	6.650	0.000	0.000	0.013	0.013	7
Ten Daily III	74.03	0.000	0.000	0.045	0.045	418	6.922	0.000	0.000	0.017	0.017	10	8.863	0.000	0.000	0.020	0.020	16
Monthly																		
Total						7217						1570						288

Annual Sediment Load (Metric Tonnes) : 41420

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : NANDGAON (AGH3AF4)

Local River : Wunna

Division : Wainganga Div., Nagpur

Sub-Division : Penganga Sd, Yeotmal

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	9.719	0.000	0.000	0.022	0.022	18	8.888	0.000	0.000	0.030	0.030	23	5.561	0.000	0.000	0.026	0.026	12
2	9.366	0.000	0.000	0.022	0.022	17	9.934	0.000	0.000	0.031	0.031	27	5.402	0.000	0.000	0.022	0.022	10
3	9.049	0.000	0.000	0.021	0.021	16	10.20	0.000	0.000	0.033	0.033	29	5.596	0.000	0.000	0.022	0.022	11
4	8.995	0.000	0.000	0.021	0.021	16	10.10	0.000	0.000	0.031	0.031	27	5.667	0.000	0.000	0.023	0.023	11
5	9.092	0.000	0.000	0.020	0.020	16	10.49	0.000	0.000	0.032	0.032	29	9.076	0.000	0.000	0.030	0.030	24
6	9.143	0.000	0.000	0.021	0.021	17	10.76	0.000	0.000	0.033	0.033	31	10.78	0.000	0.000	0.033	0.033	31
7	8.458	0.000	0.000	0.020	0.020	15	10.77	0.000	0.000	0.033	0.033	31	10.73	0.000	0.000	0.033	0.033	31
8	8.440	0.000	0.000	0.020	0.020	15	11.34	0.000	0.000	0.035	0.035	34	11.26	0.000	0.000	0.034	0.034	33
9	7.973	0.000	0.000	0.018	0.018	12	12.04	0.000	0.000	0.035	0.035	36	10.10	0.000	0.000	0.030	0.030	26
10	6.911	0.000	0.000	0.016	0.016	10	11.27	0.000	0.000	0.030	0.030	29	9.138	0.000	0.000	0.020	0.020	16
11	6.565	0.000	0.000	0.014	0.014	8	11.36	0.000	0.000	0.030	0.030	29	8.370	0.000	0.000	0.010	0.010	7
12	5.401	0.000	0.000	0.014	0.014	7	9.267	0.000	0.000	0.024	0.024	19	8.562	0.000	0.000	0.010	0.010	7
13	6.535	0.000	0.000	0.015	0.015	8	8.529	0.000	0.000	0.020	0.020	15	8.929	0.000	0.000	0.010	0.010	8
14	4.865	0.000	0.000	0.014	0.014	6	8.902	0.000	0.000	0.022	0.022	17	8.428	0.000	0.000	0.010	0.010	7
15	1.884	0.000	0.000	0.009	0.009	1	8.660	0.000	0.000	0.020	0.020	15	7.486	0.000	0.000	0.010	0.010	6
16	2.468	0.000	0.000	0.010	0.010	2	7.674	0.000	0.000	0.017	0.017	11	6.226	0.000	0.000	0.010	0.010	5
17	2.342	0.000	0.000	0.010	0.010	2	7.582	0.000	0.000	0.015	0.015	10	5.261	0.000	0.000	0.009	0.009	4
18	1.787	0.000	0.000	0.010	0.010	1	7.234	0.000	0.000	0.014	0.014	9	3.952	0.000	0.000	0.009	0.009	3
19	1.569	0.000	0.000	0.009	0.009	1	7.234	0.000	0.000	0.014	0.014	9	2.866	0.000	0.000	0.009	0.009	2
20	1.511	0.000	0.000	0.009	0.009	1	7.273	0.000	0.000	0.014	0.014	9	2.817	0.000	0.000	0.009	0.009	2
21	1.454	0.000	0.000	0.009	0.009	1	6.130	0.000	0.000	0.012	0.012	6	2.409	0.000	0.000	0.008	0.008	2
22	1.641	0.000	0.000	0.008	0.008	1	3.707	0.000	0.000	0.010	0.010	3	2.265	0.000	0.000	0.008	0.008	2
23	1.679	0.000	0.000	0.008	0.008	1	2.459	0.000	0.000	0.010	0.010	2	1.526	0.000	0.000	0.008	0.008	1
24	1.903	0.000	0.000	0.008	0.008	1	1.606	0.000	0.000	0.001	0.001	0.1	1.899	0.000	0.000	0.008	0.008	1
25	2.044	0.000	0.000	0.010	0.010	2	2.054	0.000	0.000	0.010	0.010	2	1.683	0.000	0.000	0.008	0.008	1
26	2.156	0.000	0.000	0.010	0.010	2	2.307	0.000	0.000	0.010	0.010	2	1.785	0.000	0.000	0.008	0.008	1
27	3.251	0.000	0.000	0.010	0.010	3	3.000	0.000	0.000	0.015	0.015	4	4.552	0.000	0.000	0.010	0.010	4
28	5.112	0.000	0.000	0.020	0.020	9	4.154	0.000	0.000	0.020	0.020	7	7.340	0.000	0.000	0.015	0.015	10
29	5.947	0.000	0.000	0.021	0.021	11	4.996	0.000	0.000	0.025	0.025	11						
30	6.930	0.000	0.000	0.025	0.025	15	4.775	0.000	0.000	0.021	0.021	9						
31	8.724	0.000	0.000	0.029	0.029	22	5.838	0.000	0.000	0.030	0.030	15						
Ten Daily Mean																		
Ten Daily I	8.715	0.000	0.000	0.020	0.020	15	10.58	0.000	0.000	0.032	0.032	30	8.331	0.000	0.000	0.027	0.027	20
Ten Daily II	3.493	0.000	0.000	0.011	0.011	4	8.372	0.000	0.000	0.019	0.019	14	6.290	0.000	0.000	0.009	0.009	5
Ten Daily III	3.713	0.000	0.000	0.014	0.014	6	3.730	0.000	0.000	0.015	0.015	6	2.932	0.000	0.000	0.009	0.009	3
Monthly																		
Total						258						500						279

Annual Sediment Load (Metric Tonnes) : 41420

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : NANDGAON (AGH3AF4)

Local River : Wunna

Division : Wainganga Div., Nagpur

Sub-Division : Penganga Sd, Yeotmal

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	7.390	0.000	0.000	0.015	0.015	10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	7.851	0.000	0.000	0.016	0.016	11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	8.594	0.000	0.000	0.018	0.018	13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	9.172	0.000	0.000	0.019	0.019	15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	8.825	0.000	0.000	0.017	0.017	13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	9.640	0.000	0.000	0.019	0.019	16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	9.451	0.000	0.000	0.017	0.017	14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	9.462	0.000	0.000	0.017	0.017	14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	8.379	0.000	0.000	0.015	0.015	11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	5.339	0.000	0.000	0.014	0.014	6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	4.569	0.000	0.000	0.013	0.013	5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	3.086	0.000	0.000	0.013	0.013	3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	2.318	0.000	0.000	0.012	0.012	2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	1.901	0.000	0.000	0.011	0.011	2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	1.896	0.000	0.000	0.011	0.011	2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	1.664	0.000	0.000	0.011	0.011	2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	1.009	0.000	0.000	0.011	0.011	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.890	0.000	0.000	0.009	0.009	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.601	0.000	0.000	0.008	0.008	0.4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.511	0.000	0.000	0.007	0.007	0.3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.471	0.000	0.000	0.007	0.007	0.3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.436	0.000	0.000	0.007	0.007	0.3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.431	0.000	0.000	0.006	0.006	0.2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.567	0.000	0.000	0.007	0.007	0.3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.471	0.000	0.000	0.006	0.006	0.2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.382	0.000	0.000	0.005	0.005	0.2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.101	0.000	0.000	0.004	0.004	0.03	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.103	0.000	0.000	0.003	0.003	0.03	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	8.410	0.000	0.000	0.017	0.017	12	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	1.845	0.000	0.000	0.011	0.011	2	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	0.269	0.000	0.000	0.004	0.004	0.1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						143						0						0

Annual Sediment Load (Metric Tonnes) : 41420

Annual Sediment Load for period : 1989-2018

Station Name : NANDGAON (AGH3AF4)

Division : Wainganga Div., Nagpur

Local River : Wunna

Sub-Division : Penganga Sd, Yeotmal

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1989-1990	237754	0	237754	443
1990-1991	338530	0	338530	1765
1991-1992	509015	0	509015	867
1992-1993	1690380	0	1690380	1010
1993-1994	55199	0	55199	389
1994-1995	3699907	3264	3703170	2317
1995-1996	466077	0	466077	889
1996-1997	38689	0	38689	270
1997-1998	23225	0	23225	367
1998-1999	78581	0	78581	526
1999-2000	605165	0	605165	1161
2000-2001	475184	38	475222	1157
2001-2002	199295	0	199295	551
2002-2003	1032369	196	1032565	577
2003-2004	113114	126	113241	638
2004-2005	21817	1876	23693	230
2005-2006	112968	1348	114316	1067
2006-2007	22807	2393	25200	945
2007-2008	56199	0	56199	1551
2008-2009	31181	0	31181	339
2009-2010	7205	313	7518	220
2010-2011	921786	11961	933747	2565
2011-2012	490637	3494	494130	1077
2012-2013	90251	537	90788	1007
2013-2014	334223	775	334998	2168
2014-2015	66750	836	67585	581
2015-2016	56582	452	57035	683
2016-2017	82966	292	83257	468
2017-2018	40241	1179	41420	419

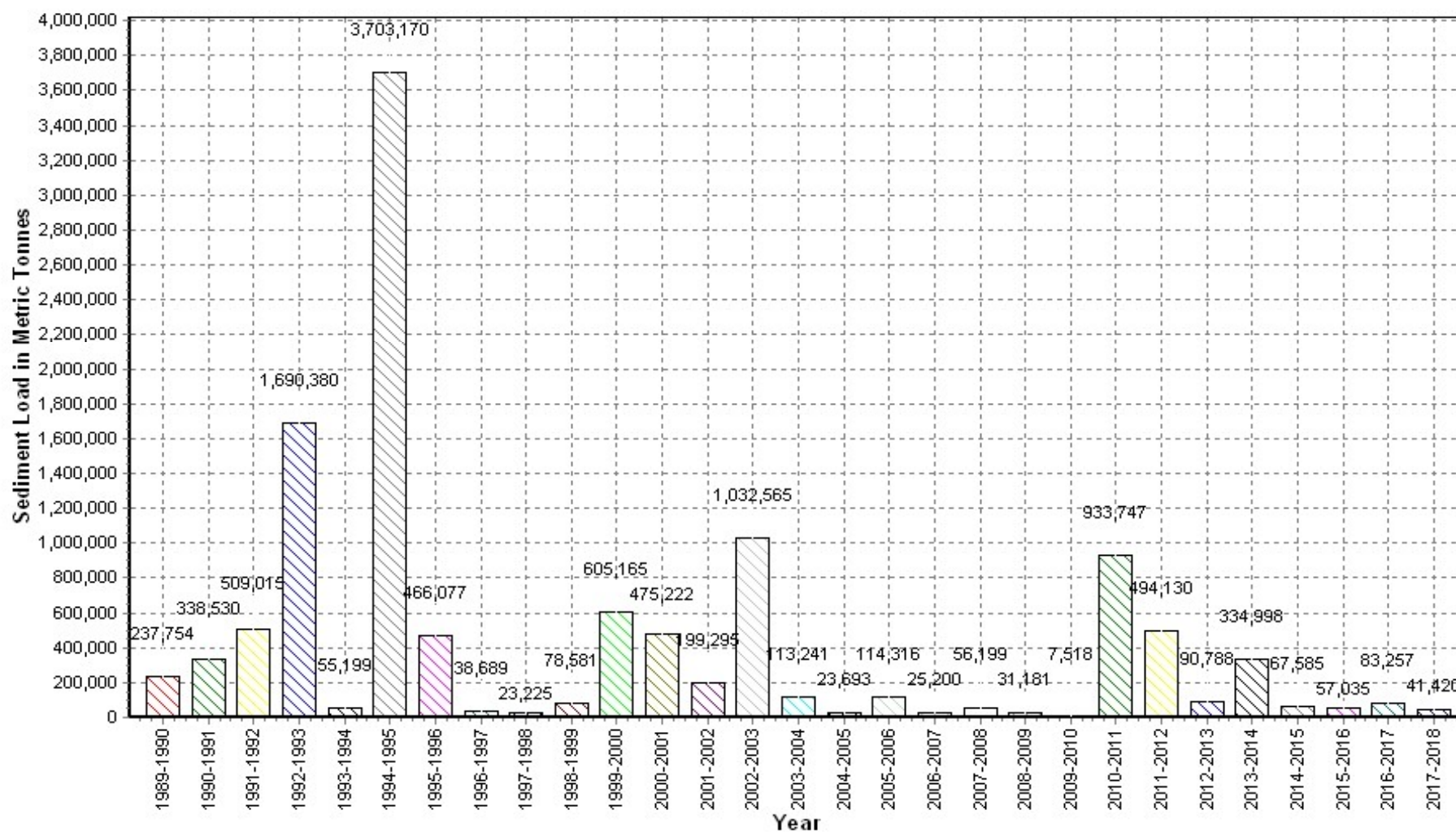
Annual Sediment Load for the period: 1989-2018

Station Name : NANDGAON (AGH3AF4)

Local River : Wunna

Division : Wainganga Div., Nagpur

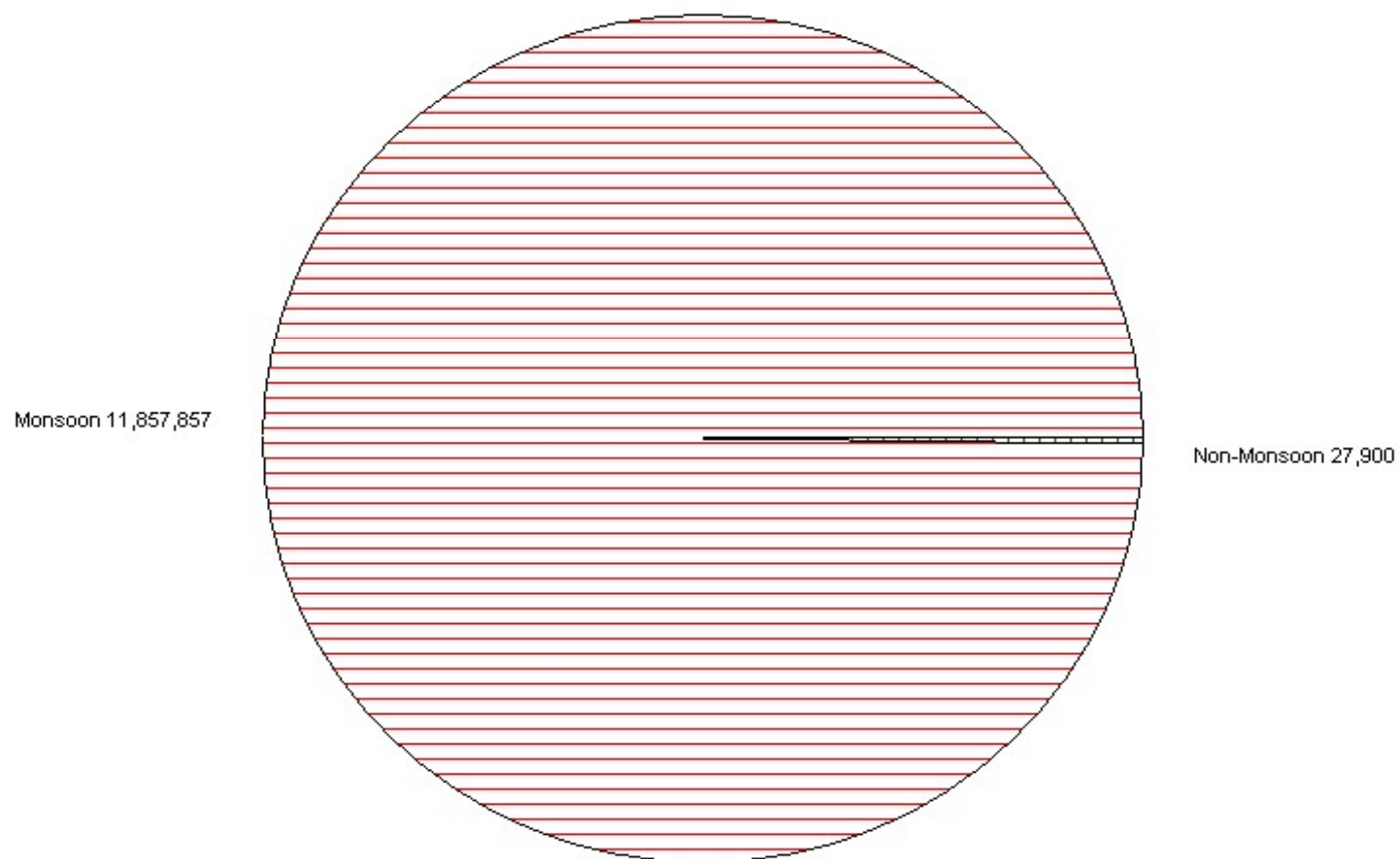
Sub-Division : Penganga Sd, Yeotmal



Station Name : NANDGAON (AGH3AF4)
Local River : Wunna

Seasonal Sediment Load for the period : 1989-2017

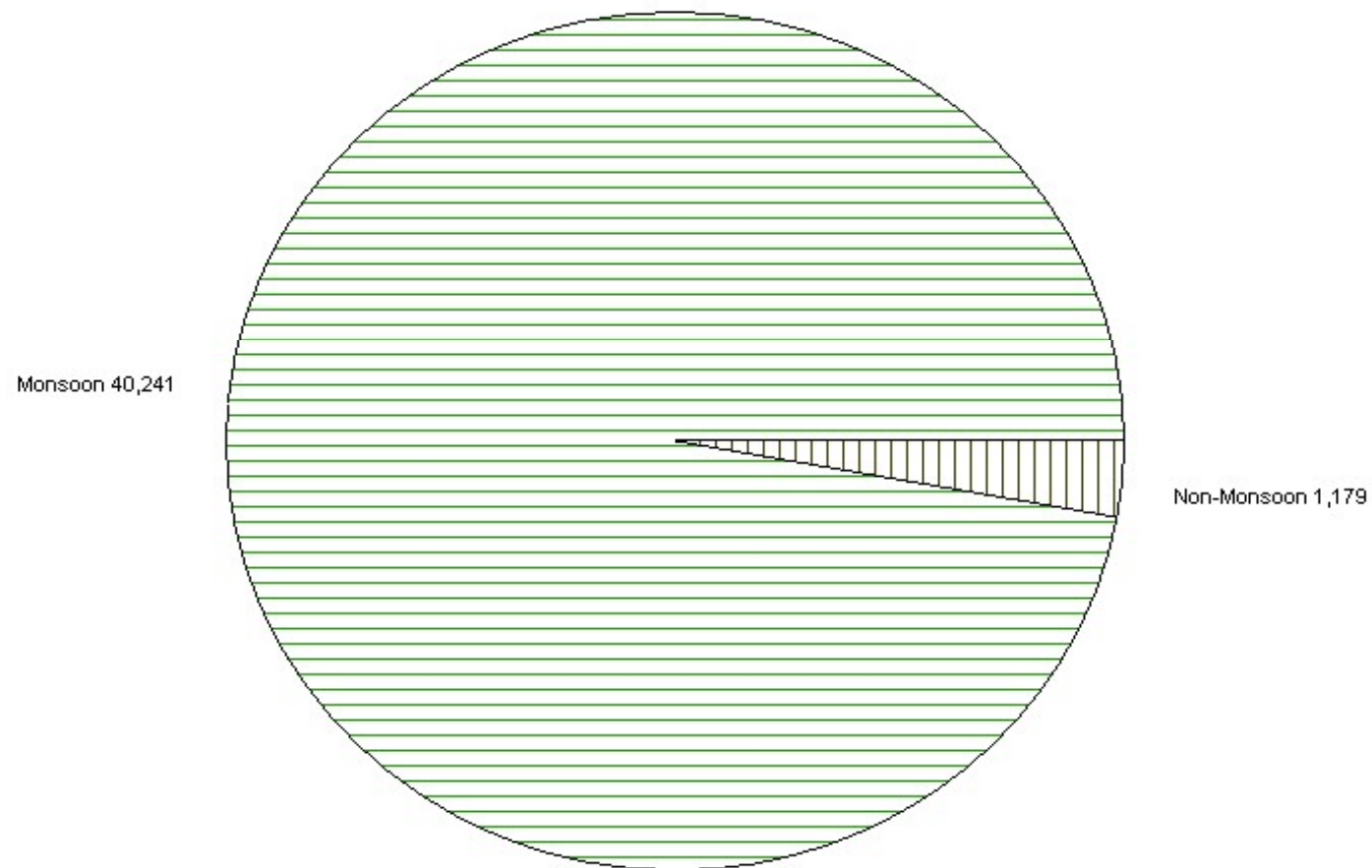
Division : Wainganga Div., Nagpur
Sub-Division : Penganga Sd, Yeotmal



Station Name : NANDGAON (AGH3AF4)
Local River : Wunna

Seasonal Sediment Load for the Year: 2017-2018

Division : Wainganga Div., Nagpur
Sub-Division : Penganga Sd, Yeotmal



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : WUNNA AT NANDGAON CODE : AGH3AF4
 MEASURING : WDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 30-05-17)

Discharge Observed :	Dry Bed	cumec	Water edge RB :	m	LB :	m
Area of section :		sq.m	MeanVelocity :			m/sec
Wetted perimeter :		m	Hydraulic Mean Depth :			m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters	Mean diameter in mm	Remarks	
1	45		200.100	2.28	Av.mean dia "m" =	1.82
2	90		199.800	1.67		
3	135		199.460	1.52	Silt factor "f" =1.76 $\sqrt{m}$	= 2.37

Note : i) Discharge observation was at station gauge line.
 ii) River bed: Dry Bed.

Monsoon Survey (Date 27-09-17)

Discharge Observed :	47.542	cumec	Water edge RB :	152.00	m	LB :	34.00	m
Area of section :	98.63	sq.m	MeanVelocity :				0.4820	m/sec
Wetted perimeter :	118.167	m	Hydraulic Mean Depth :				0.8347	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters	Mean diameter in mm	Remarks			
1	45		200.290	2.27	Av.mean dia "m" =	2.23		
2	90		199.740	2.01				
3	135		200.300	2.41	Silt factor "f" =1.76 $\sqrt{m}$	= 2.62		

Note : i) Discharge observation was at station gauge line.
 ii) River bed : flowing water.
 iii) Water flows in single channel.

Postmonsoon Survey (Date 25-11-17)

Discharge Observed :	9.161	cumec	Water edge RB :	105.00	m	LB :	36.00	m
Area of section :	40.06	sq.m	MeanVelocity :				0.2287	m/sec
Wetted perimeter :	69.151	m	Hydraulic Mean Depth :				0.5793	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters	Mean diameter in mm	Remarks			
1	45		200.340	2.10	Av.mean dia "m" =	1.91		
2	90		199.680	1.65				
3	135		200.450	1.99	Silt factor "f" =1.76 $\sqrt{m}$	= 2.43		

Note : i) Discharge observation was at station gauge line.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: HIVRA	Code	: AGH30Q1
State	: Maharashtra	District	Wardha
Basin	: Godavari	Independent River	: Godavari
Tributary	: Pranhita	Sub Tributary	: Wardha
Sub-Sub Tributary	: -	Local River	: Wardha
Division	: Wainganga Div., Nagpur	Sub-Division	: Penganga Sd, Yeotmal
Drainage Area	: 10240 Sq. Km.	Bank	: Left
Latitude	: 20°32'52"	Longitude	: 78°19'30"
Zero of Gauge (m)	: 230.000 (m.s.l)	20/11/1986	
	Opening Date	Closing Date	
Gauge	: 20/11/1986		
Discharge	: 11/08/1987		
Sediment	: 26/06/1990		
Water Quality	: 16/12/1987		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : HIVRA (AGH30Q1)

Local River : Wardha

Division : Wainganga Div., Nagpur

Sub-Division : Penganga Sd, Yeotmal

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	0.526	0.000	0.000	0.009	0.009	0.4	3.866	0.000	0.000	0.003	0.003	1	6.230	0.000	0.000	0.002	0.002	1
2	0.513	0.000	0.000	0.009	0.009	0.4	2.836	0.000	0.000	0.003	0.003	1	5.100	0.000	0.000	0.002	0.002	1
3	0.511	0.000	0.000	0.009	0.009	0.4	3.233	0.000	0.000	0.004	0.004	1	4.618	0.000	0.000	0.002	0.002	1
4	0.417	0.000	0.000	0.008	0.008	0.3	3.340	0.000	0.000	0.004	0.004	1	3.806	0.000	0.000	0.003	0.003	1
5	0.505	0.000	0.000	0.009	0.009	0.4	3.378	0.000	0.000	0.004	0.004	1	3.514	0.000	0.000	0.003	0.003	1
6	0.365	0.000	0.000	0.007	0.007	0.2	3.515	0.000	0.000	0.004	0.004	1	3.058	0.000	0.000	0.003	0.003	1
7	0.365	0.000	0.000	0.007	0.007	0.2	3.418	0.000	0.000	0.004	0.004	1	2.522	0.000	0.000	0.003	0.003	1
8	0.443	0.000	0.000	0.008	0.008	0.3	2.750	0.000	0.000	0.002	0.002	0.4	2.446	0.000	0.000	0.003	0.003	1
9	0.266	0.000	0.000	0.005	0.005	0.1	2.347	0.000	0.000	0.001	0.001	0.3	2.357	0.000	0.000	0.002	0.002	0.5
10	0.263	0.000	0.000	0.005	0.005	0.1	1.491	0.000	0.000	0.002	0.002	0.2	2.286	0.000	0.000	0.002	0.002	0.5
11	0.474	0.000	0.000	0.008	0.008	0.3	1.395	0.000	0.000	0.002	0.002	0.2	2.256	0.000	0.000	0.002	0.002	0.4
12	0.551	0.000	0.000	0.009	0.009	0.4	1.129	0.000	0.000	0.002	0.002	0.1	2.182	0.000	0.000	0.002	0.002	0.4
13	0.527	0.000	0.000	0.009	0.009	0.4	0.947	0.000	0.000	0.002	0.002	0.1	1.488	0.000	0.000	0.002	0.002	0.2
14	0.981	0.000	0.000	0.010	0.010	1	0.830	0.000	0.000	0.002	0.002	0.2	1.399	0.000	0.000	0.001	0.001	0.1
15	1.043	0.000	0.000	0.015	0.015	1	0.807	0.000	0.000	0.002	0.002	0.1	1.127	0.000	0.000	0.001	0.001	0.1
16	2.650	0.000	0.000	0.024	0.024	5	0.821	0.000	0.000	0.002	0.002	0.1	1.341	0.000	0.000	0.002	0.002	0.2
17	1.926	0.000	0.000	0.019	0.019	3	0.846	0.000	0.000	0.002	0.002	0.1	1.292	0.000	0.000	0.002	0.002	0.2
18	1.413	0.000	0.000	0.015	0.015	2	0.843	0.000	0.000	0.002	0.002	0.1	0.579	0.000	0.000	0.003	0.003	0.1
19	1.149	0.000	0.000	0.012	0.012	1	12.43	0.000	0.000	0.002	0.002	3	0.710	0.000	0.000	0.002	0.002	0.1
20	1.099	0.000	0.000	0.010	0.010	1	65.13	0.000	0.000	0.003	0.003	16	2.018	0.000	0.000	0.001	0.001	0.2
21	0.647	0.000	0.000	0.009	0.009	1	17.96	0.000	0.000	0.002	0.002	3	2.134	0.000	0.000	0.001	0.001	0.2
22	0.645	0.000	0.000	0.009	0.009	1	9.730	0.000	0.000	0.002	0.002	2	2.101	0.000	0.000	0.001	0.001	0.3
23	57.68	0.000	0.000	0.040	0.040	199	7.688	0.000	0.000	0.002	0.002	1	2.037	0.000	0.000	0.001	0.001	0.2
24	27.83	0.000	0.000	0.020	0.020	48	7.262	0.000	0.000	0.001	0.001	1	1.955	0.000	0.000	0.001	0.001	0.2
25	10.01	0.000	0.000	0.010	0.010	9	7.447	0.000	0.000	0.001	0.001	1	1.621	0.000	0.000	0.001	0.001	0.2
26	6.448	0.000	0.000	0.008	0.008	4	7.502	0.000	0.000	0.001	0.001	1	2.151	0.000	0.000	0.001	0.001	0.2
27	23.97	0.000	0.000	0.035	0.035	72	9.989	0.000	0.000	0.001	0.001	1	1.890	0.000	0.000	0.001	0.001	0.2
28	8.455	0.000	0.000	0.010	0.010	7	10.71	0.000	0.000	0.001	0.001	1	2.344	0.000	0.000	0.002	0.002	0.3
29	4.592	0.000	0.000	0.004	0.004	2	9.890	0.000	0.000	0.001	0.001	1	2.497	0.000	0.000	0.002	0.002	0.4
30	4.274	0.000	0.000	0.004	0.004	1	7.237	0.000	0.000	0.001	0.001	1	2.541	0.000	0.000	0.002	0.002	0.4
31							6.607	0.000	0.000	0.001	0.001	1	2.477	0.000	0.000	0.002	0.002	0.4
Ten Daily Mean																		
Ten Daily I	0.417	0.000	0.000	0.008	0.008	0.3	3.018	0.000	0.000	0.003	0.003	1	3.594	0.000	0.000	0.002	0.002	1
Ten Daily II	1.181	0.000	0.000	0.013	0.013	2	8.518	0.000	0.000	0.002	0.002	2	1.439	0.000	0.000	0.002	0.002	0.2
Ten Daily III	14.45	0.000	0.000	0.015	0.015	34	9.274	0.000	0.000	0.001	0.001	1	2.159	0.000	0.000	0.001	0.001	0.3
Monthly																		
Total						363						40						12

Annual Sediment Load (Metric Tonnes) : 1085

Page No 103

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : HIVRA (AGH30Q1)

Local River : Wardha

Division : Wainganga Div., Nagpur

Sub-Division : Penganga Sd, Yeotmal

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	2.423	0.000	0.000	0.002	0.002	0.4	2.846	0.000	0.000	0.002	0.002	0.5	4.787	0.000	0.000	0.002	0.002	1
2	2.183	0.000	0.000	0.002	0.002	0.3	2.846	0.000	0.000	0.002	0.002	0.5	4.633	0.000	0.000	0.002	0.002	1
3	1.890	0.000	0.000	0.001	0.001	0.2	2.802	0.000	0.000	0.002	0.002	0.4	4.440	0.000	0.000	0.002	0.002	1
4	2.196	0.000	0.000	0.002	0.002	0.3	2.128	0.000	0.000	0.002	0.002	0.4	4.041	0.000	0.000	0.002	0.002	1
5	2.198	0.000	0.000	0.002	0.002	0.4	2.089	0.000	0.000	0.002	0.002	0.4	3.217	0.000	0.000	0.001	0.001	0.4
6	1.621	0.000	0.000	0.002	0.002	0.3	2.105	0.000	0.000	0.002	0.002	0.4	2.273	0.000	0.000	0.001	0.001	0.2
7	2.083	0.000	0.000	0.002	0.002	0.3	3.044	0.000	0.000	0.002	0.002	0.4	2.252	0.000	0.000	0.001	0.001	0.2
8	1.538	0.000	0.000	0.002	0.002	0.2	4.265	0.000	0.000	0.002	0.002	1	1.883	0.000	0.000	0.001	0.001	0.2
9	1.498	0.000	0.000	0.002	0.002	0.2	4.718	0.000	0.000	0.002	0.002	1	1.855	0.000	0.000	0.001	0.001	0.2
10	1.263	0.000	0.000	0.002	0.002	0.2	4.832	0.000	0.000	0.002	0.002	1	2.277	0.000	0.000	0.002	0.002	0.4
11	1.470	0.000	0.000	0.002	0.002	0.2	6.451	0.000	0.000	0.002	0.002	1	2.428	0.000	0.000	0.002	0.002	0.4
12	1.054	0.000	0.000	0.002	0.002	0.1	3.988	0.000	0.000	0.002	0.002	1	2.846	0.000	0.000	0.002	0.002	0.5
13	1.855	0.000	0.000	0.002	0.002	0.3	3.757	0.000	0.000	0.002	0.002	1	2.532	0.000	0.000	0.002	0.002	0.4
14	2.530	0.000	0.000	0.002	0.002	0.4	3.613	0.000	0.000	0.002	0.002	0.5	4.398	0.000	0.000	0.002	0.002	1
15	3.920	0.000	0.000	0.004	0.004	1	3.615	0.000	0.000	0.002	0.002	0.5	4.375	0.000	0.000	0.002	0.002	1
16	2.628	0.000	0.000	0.003	0.003	1	74.18	0.000	0.000	0.012	0.012	77	4.335	0.000	0.000	0.002	0.002	1
17	2.033	0.000	0.000	0.002	0.002	0.4	40.27	0.000	0.000	0.009	0.009	31	4.295	0.000	0.000	0.002	0.002	1
18	2.133	0.000	0.000	0.001	0.001	0.2	70.80	0.000	0.000	0.012	0.012	70	4.234	0.000	0.000	0.002	0.002	1
19	2.194	0.000	0.000	0.001	0.001	0.2	41.14	0.000	0.000	0.009	0.009	32	3.412	0.000	0.000	0.001	0.001	0.4
20	2.119	0.000	0.000	0.001	0.001	0.2	22.37	0.000	0.000	0.008	0.008	15	2.737	0.000	0.000	0.001	0.001	0.3
21	59.40	0.000	0.000	0.003	0.003	17	21.00	0.000	0.000	0.007	0.007	13	2.760	0.000	0.000	0.002	0.002	0.4
22	7.906	0.000	0.000	0.003	0.003	2	14.13	0.000	0.000	0.005	0.005	6	2.588	0.000	0.000	0.001	0.001	0.3
23	4.758	0.000	0.000	0.002	0.002	1	11.59	0.000	0.000	0.004	0.004	4	2.245	0.000	0.000	0.002	0.002	0.3
24	3.615	0.000	0.000	0.002	0.002	1	11.03	0.000	0.000	0.004	0.004	3	2.167	0.000	0.000	0.002	0.002	0.3
25	4.396	0.000	0.000	0.002	0.002	1	9.083	0.000	0.000	0.001	0.001	1	1.316	0.000	0.000	0.002	0.002	0.2
26	4.320	0.000	0.000	0.002	0.002	1	8.625	0.000	0.000	0.001	0.001	1	1.621	0.000	0.000	0.002	0.002	0.3
27	4.248	0.000	0.000	0.002	0.002	1	8.517	0.000	0.000	0.001	0.001	1	1.263	0.000	0.000	0.001	0.001	0.2
28	3.054	0.000	0.000	0.002	0.002	0.4	8.317	0.000	0.000	0.001	0.001	1	1.030	0.000	0.000	0.001	0.001	0.1
29	2.954	0.000	0.000	0.002	0.002	0.4	8.516	0.000	0.000	0.001	0.001	1	1.321	0.000	0.000	0.001	0.001	0.1
30	3.028	0.000	0.000	0.002	0.002	1	6.258	0.000	0.000	0.001	0.001	1	2.219	0.000	0.000	0.002	0.002	0.3
31							4.989	0.000	0.000	0.002	0.002	1						
Ten Daily Mean																		
Ten Daily I	1.889	0.000	0.000	0.002	0.002	0.3	3.167	0.000	0.000	0.002	0.002	1	3.166	0.000	0.000	0.002	0.002	0.4
Ten Daily II	2.194	0.000	0.000	0.002	0.002	0.4	27.02	0.000	0.000	0.006	0.006	23	3.559	0.000	0.000	0.002	0.002	1
Ten Daily III	9.768	0.000	0.000	0.002	0.002	2	10.19	0.000	0.000	0.003	0.003	3	1.853	0.000	0.000	0.002	0.002	0.2
Monthly																		
Total						31						267						13

Annual Sediment Load (Metric Tonnes) : 1085

Page No 104

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : HIVRA (AGH30Q1)

Local River : Wardha

Division : Wainganga Div., Nagpur

Sub-Division : Penganga Sd, Yeotmal

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	1.869	0.000	0.000	0.001	0.001	0.2	4.925	0.000	0.000	0.002	0.002	1	1.710	0.000	0.000	0.001	0.001	0.2
2	2.611	0.000	0.000	0.001	0.001	0.3	5.417	0.000	0.000	0.002	0.002	1	1.666	0.000	0.000	0.001	0.001	0.2
3	2.679	0.000	0.000	0.001	0.001	0.3	4.781	0.000	0.000	0.002	0.002	1	1.340	0.000	0.000	0.001	0.001	0.1
4	2.734	0.000	0.000	0.001	0.001	0.3	4.678	0.000	0.000	0.002	0.002	1	1.222	0.000	0.000	0.001	0.001	0.1
5	2.592	0.000	0.000	0.001	0.001	0.3	4.606	0.000	0.000	0.002	0.002	1	1.340	0.000	0.000	0.001	0.001	0.1
6	2.564	0.000	0.000	0.001	0.001	0.3	4.422	0.000	0.000	0.002	0.002	1	1.724	0.000	0.000	0.001	0.001	0.1
7	2.164	0.000	0.000	0.001	0.001	0.2	3.713	0.000	0.000	0.002	0.002	0.5	1.620	0.000	0.000	0.001	0.001	0.1
8	3.605	0.000	0.000	0.001	0.001	0.4	2.333	0.000	0.000	0.001	0.001	0.2	1.315	0.000	0.000	0.001	0.001	0.1
9	3.974	0.000	0.000	0.001	0.001	0.5	2.263	0.000	0.000	0.001	0.001	0.2	1.372	0.000	0.000	0.001	0.001	0.1
10	3.639	0.000	0.000	0.001	0.001	0.5	2.189	0.000	0.000	0.001	0.001	0.2	1.423	0.000	0.000	0.001	0.001	0.1
11	4.265	0.000	0.000	0.002	0.002	1	2.207	0.000	0.000	0.001	0.001	0.2	1.459	0.000	0.000	0.001	0.001	0.1
12	4.448	0.000	0.000	0.002	0.002	1	2.403	0.000	0.000	0.001	0.001	0.2	1.875	0.000	0.000	0.001	0.001	0.2
13	4.848	0.000	0.000	0.002	0.002	1	2.477	0.000	0.000	0.001	0.001	0.3	3.209	0.000	0.000	0.001	0.001	0.4
14	4.912	0.000	0.000	0.002	0.002	1	2.454	0.000	0.000	0.001	0.001	0.3	3.020	0.000	0.000	0.001	0.001	0.3
15	5.548	0.000	0.000	0.002	0.002	1	2.237	0.000	0.000	0.001	0.001	0.2	2.340	0.000	0.000	0.001	0.001	0.2
16	5.640	0.000	0.000	0.002	0.002	1	1.351	0.000	0.000	0.001	0.001	0.1	2.091	0.000	0.000	0.001	0.001	0.2
17	6.709	0.000	0.000	0.002	0.002	1	1.429	0.000	0.000	0.001	0.001	0.1	1.750	0.000	0.000	0.001	0.001	0.2
18	5.295	0.000	0.000	0.002	0.002	1	1.791	0.000	0.000	0.001	0.001	0.2	1.854	0.000	0.000	0.001	0.001	0.2
19	5.109	0.000	0.000	0.002	0.002	1	2.290	0.000	0.000	0.001	0.001	0.2	1.491	0.000	0.000	0.001	0.001	0.1
20	4.830	0.000	0.000	0.002	0.002	1	3.146	0.000	0.000	0.001	0.001	0.4	1.460	0.000	0.000	0.001	0.001	0.1
21	4.367	0.000	0.000	0.002	0.002	1	3.326	0.000	0.000	0.001	0.001	0.4	1.352	0.000	0.000	0.001	0.001	0.1
22	4.188	0.000	0.000	0.002	0.002	1	3.559	0.000	0.000	0.001	0.001	0.4	1.304	0.000	0.000	0.001	0.001	0.1
23	4.051	0.000	0.000	0.002	0.002	1	3.788	0.000	0.000	0.001	0.001	0.5	1.650	0.000	0.000	0.001	0.001	0.2
24	3.140	0.000	0.000	0.002	0.002	0.4	5.149	0.000	0.000	0.002	0.002	1	3.010	0.000	0.000	0.002	0.002	0.4
25	2.679	0.000	0.000	0.001	0.001	0.3	4.164	0.000	0.000	0.001	0.001	1	2.787	0.000	0.000	0.001	0.001	0.3
26	2.023	0.000	0.000	0.001	0.001	0.2	3.914	0.000	0.000	0.001	0.001	0.4	3.254	0.000	0.000	0.002	0.002	0.4
27	1.830	0.000	0.000	0.001	0.001	0.2	3.274	0.000	0.000	0.001	0.001	0.3	3.396	0.000	0.000	0.002	0.002	0.5
28	1.702	0.000	0.000	0.001	0.001	0.2	3.141	0.000	0.000	0.001	0.001	0.3	3.682	0.000	0.000	0.002	0.002	1
29	1.721	0.000	0.000	0.001	0.001	0.2	1.983	0.000	0.000	0.001	0.001	0.2						
30	1.659	0.000	0.000	0.001	0.001	0.2	1.931	0.000	0.000	0.001	0.001	0.2						
31	1.996	0.000	0.000	0.001	0.001	0.2	1.801	0.000	0.000	0.001	0.001	0.2						
Ten Daily Mean																		
Ten Daily I	2.843	0.000	0.000	0.001	0.001	0.3	3.933	0.000	0.000	0.001	0.001	1	1.473	0.000	0.000	0.001	0.001	0.1
Ten Daily II	5.160	0.000	0.000	0.002	0.002	1	2.178	0.000	0.000	0.001	0.001	0.2	2.055	0.000	0.000	0.001	0.001	0.2
Ten Daily III	2.669	0.000	0.000	0.001	0.001	0.3	3.275	0.000	0.000	0.001	0.001	0.4	2.554	0.000	0.000	0.001	0.001	0.3
Monthly																		
Total						14						11						6

Annual Sediment Load (Metric Tonnes) : 1085

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : HIVRA (AGH30Q1)

Local River : Wardha

Division : Wainganga Div., Nagpur

Sub-Division : Penganga Sd, Yeotmal

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	4.378	0.000	0.000	0.002	0.002	1	0.907	0.000	0.000	0.001	0.001	0.039	0.000	0.000	0.000	0.000	0.000	0
2	4.550	0.000	0.000	0.002	0.002	1	0.922	0.000	0.000	0.001	0.001	0.040	0.000	0.000	0.000	0.000	0.000	0
3	3.791	0.000	0.000	0.002	0.002	1	0.925	0.000	0.000	0.001	0.001	0.040	0.000	0.000	0.000	0.000	0.000	0
4	4.121	0.000	0.000	0.002	0.002	1	0.881	0.000	0.000	0.001	0.001	0.038	0.000	0.000	0.000	0.000	0.000	0
5	3.607	0.000	0.000	0.002	0.002	0.5	0.865	0.000	0.000	0.001	0.001	0.037	0.000	0.000	0.000	0.000	0.000	0
6	3.414	0.000	0.000	0.002	0.002	0.5	0.851	0.000	0.000	0.001	0.001	0.037	0.000	0.000	0.000	0.000	0.000	0
7	3.171	0.000	0.000	0.002	0.002	0.4	0.810	0.000	0.000	0.000	0.000	0.028	0.000	0.000	0.000	0.000	0.000	0
8	2.998	0.000	0.000	0.001	0.001	0.3	0.766	0.000	0.000	0.000	0.000	0.026	0.000	0.000	0.000	0.000	0.000	0
9	2.796	0.000	0.000	0.001	0.001	0.3	0.713	0.000	0.000	0.000	0.000	0.025	0.000	0.000	0.000	0.000	0.000	0
10	2.689	0.000	0.000	0.001	0.001	0.3	0.689	0.000	0.000	0.000	0.000	0.024	2.557	0.000	0.000	0.001	0.001	0.2
11	1.996	0.000	0.000	0.001	0.001	0.2	0.643	0.000	0.000	0.000	0.000	0.022	1.935	0.000	0.000	0.001	0.001	0.1
12	2.077	0.000	0.000	0.001	0.001	0.2	0.592	0.000	0.000	0.000	0.000	0.020	1.349	0.000	0.000	0.001	0.001	0.1
13	2.026	0.000	0.000	0.001	0.001	0.2	0.558	0.000	0.000	0.000	0.000	0.019	6.661	0.000	0.000	0.002	0.002	1
14	1.296	0.000	0.000	0.001	0.001	0.1	0.125	0.000	0.000	0.000	0.000	0.004	62.47	0.000	0.000	0.015	0.015	81
15	1.237	0.000	0.000	0.001	0.001	0.1	0.090	0.000	0.000	0.000	0.000	0.002	62.24	0.000	0.000	0.014	0.014	75
16	1.293	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	59.19	0.000	0.000	0.012	0.012	61
17	1.312	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	48.52	0.000	0.000	0.010	0.010	42
18	1.459	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	29.94	0.000	0.000	0.010	0.010	25
19	1.215	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	26.01	0.000	0.000	0.008	0.008	18
20	1.375	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	14.36	0.000	0.000	0.005	0.005	6
21	1.397	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	7.718	0.000	0.000	0.005	0.005	3
22	1.357	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	5.282	0.000	0.000	0.004	0.004	2
23	1.283	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	5.047	0.000	0.000	0.004	0.004	2
24	1.157	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	2.629	0.000	0.000	0.002	0.002	0.5
25	1.222	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	2.454	0.000	0.000	0.002	0.002	0.3
26	1.110	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	2.196	0.000	0.000	0.001	0.001	0.3
27	1.042	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	2.219	0.000	0.000	0.001	0.001	0.2
28	1.051	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	1.568	0.000	0.000	0.001	0.001	0.1
29	1.007	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	1.518	0.000	0.000	0.001	0.001	0.1
30	1.007	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	0.950	0.000	0.000	0.001	0.001	0.1
31	0.992	0.000	0.000	0.001	0.001	0.0							0.682	0.000	0.000	0.000	0.000	0.03
Ten Daily Mean																		
Ten Daily I	3.552	0.000	0.000	0.002	0.002	0.5	0.833	0.000	0.000	0.000	0.000	0.03	0.256	0.000	0.000	0.000	0.000	0.02
Ten Daily II	1.529	0.000	0.000	0.001	0.001	0.1	0.201	0.000	0.000	0.000	0.000	0.01	31.27	0.000	0.000	0.008	0.008	31
Ten Daily III	1.148	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0.00	2.933	0.000	0.000	0.002	0.002	1
Monthly																		
Total						7						0						318

Annual Sediment Load (Metric Tonnes) : 1085

Page No 106

Annual Sediment Load for period : 1991-2018**Station Name : HIVRA (AGH30Q1)****Division : Wainganga Div., Nagpur****Local River : Wardha****Sub-Division : Penganga Sd, Yeotmal**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1991-1992	3673281	0	3673281	1318
1992-1993	5885839	175	5886014	1837
1993-1994	36118	0	36118	471
1994-1995	5242420	7363	5249783	4042
1995-1996	487774	1944	489719	1209
1996-1997	398542	842	399384	545
1997-1998	90686	66080	156766	849
1998-1999	914775	370	915145	1549
1999-2000	926856	385	927241	3041
2000-2001	402886	176	403062	891
2001-2002	992720	59	992779	1100
2002-2003	1141951	174	1142125	901
2003-2004	107767	1081	108848	453
2004-2005	128498	1668	130167	318
2005-2006	1039094	189	1039283	1661
2006-2007	1475079	65	1475143	2445
2007-2008	2002334	182	2002516	3492
2008-2009	2658	0	2658	211
2009-2010	605	0	605	72
2010-2011	88086	0	88086	1875
2011-2012	1451577	0	1451577	1691
2012-2013	434539	916	435456	1879
2013-2014	554849	46	554895	2879
2014-2015	220815	476	221291	1596
2015-2016	19667	258	19925	1100
2016-2017	51124	1060	52184	1120
2017-2018	727	357	1085	153

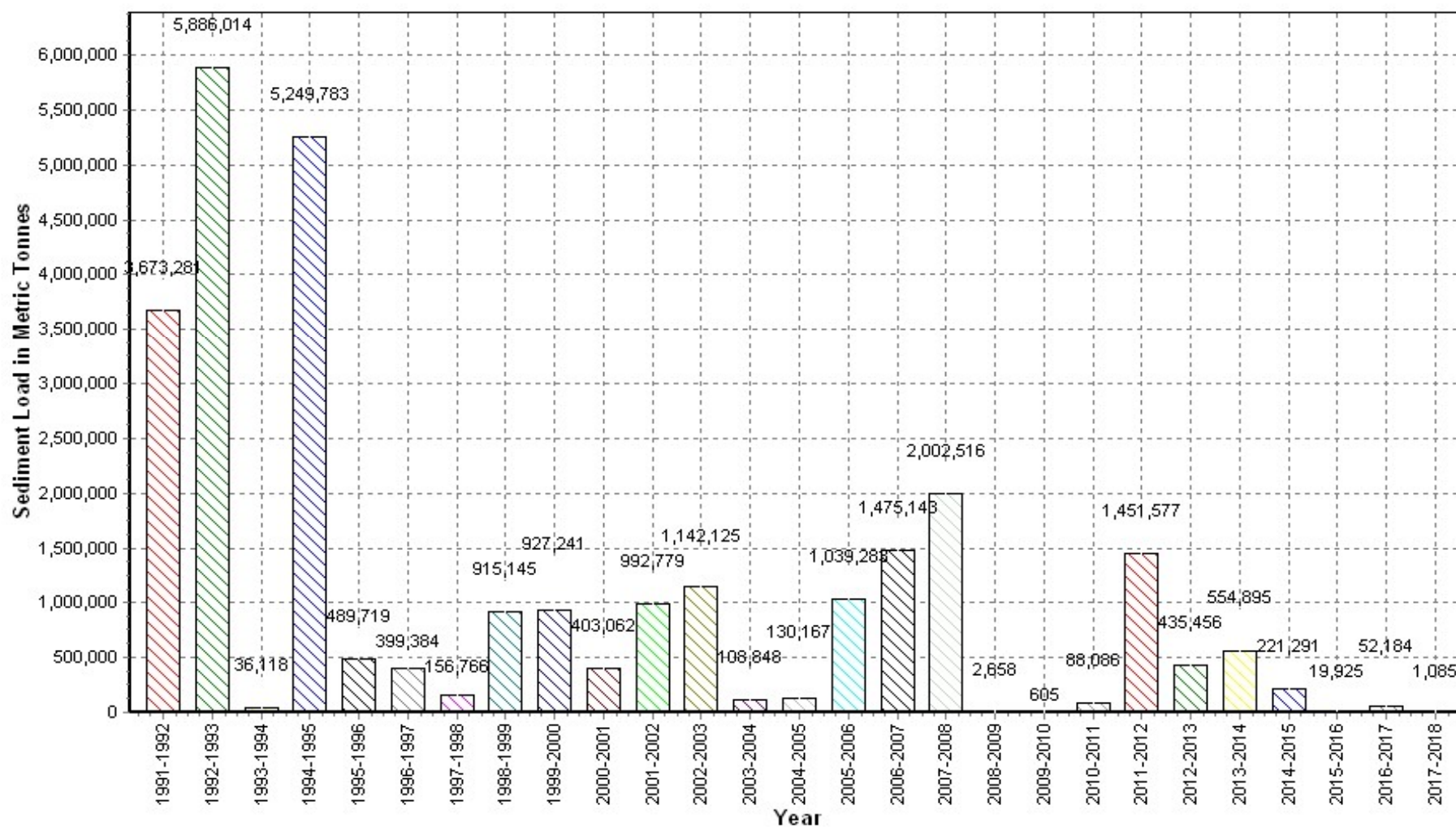
Annual Sediment Load for the period: 1991-2018

Station Name : HIVRA (AGH30Q1)

Local River : Wardha

Division : Wainganga Div., Nagpur

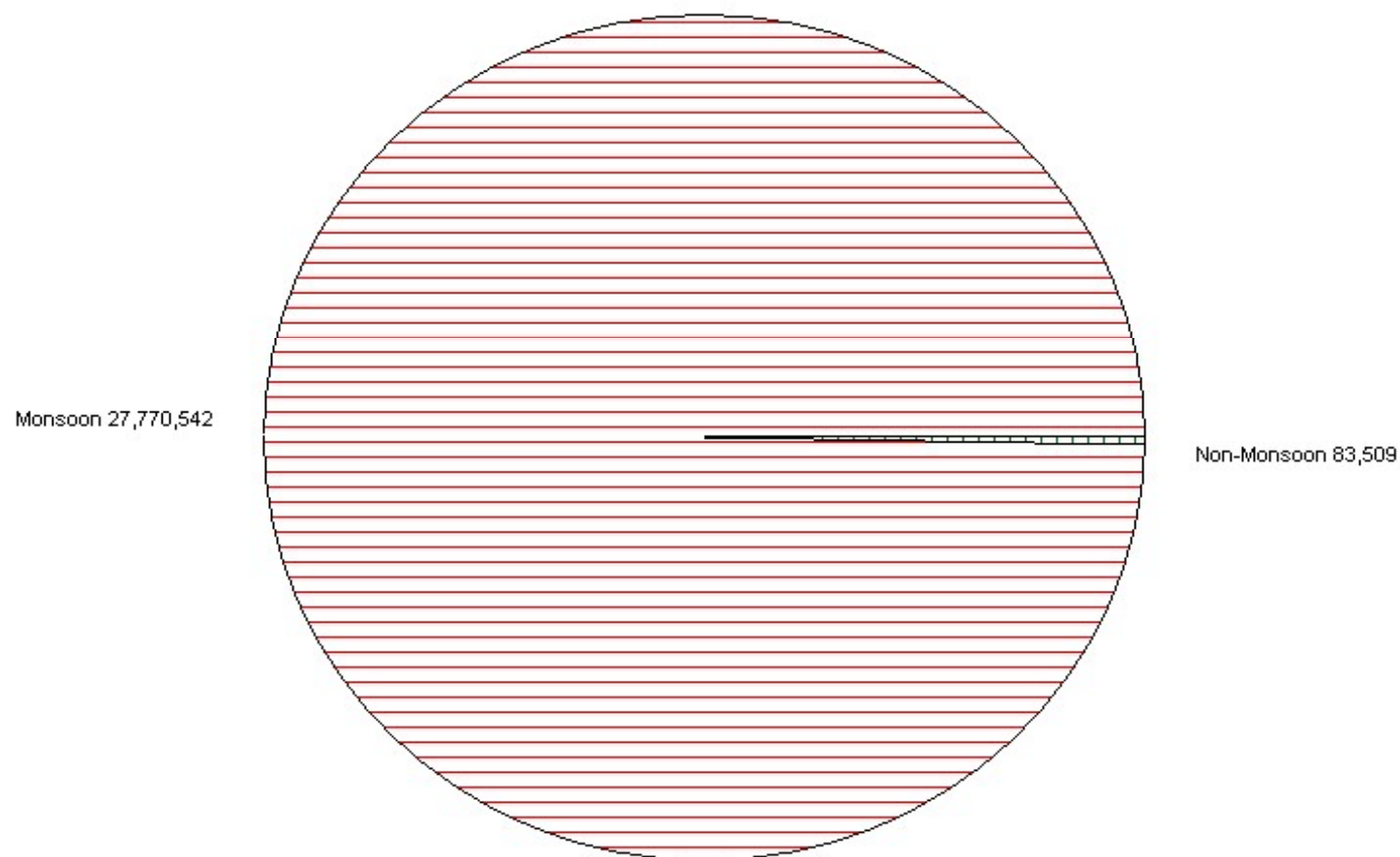
Sub-Division : Penganga Sd, Yeotmal



Station Name : HIVRA (AGH30Q1)
Local River : Wardha

Seasonal Sediment Load for the period : 1991-2017

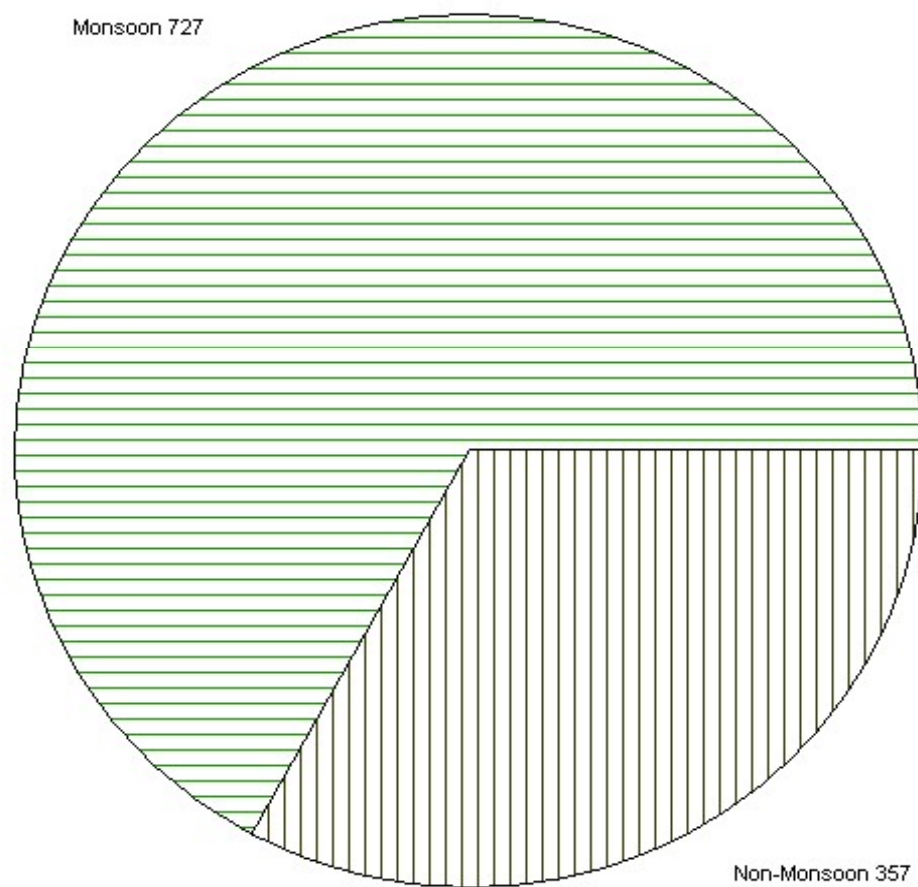
Division : Wainganga Div., Nagpur
Sub-Division : Penganga Sd, Yeotmal



Station Name : HIVRA (AGH30Q1)
Local River : Wardha

Seasonal Sediment Load for the Year: 2017-2018

Division : Wainganga Div., Nagpur
Sub-Division : Penganga Sd, Yeotmal



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : WARDHA AT HIVRA CODE : AGH30Q1
 MEASURING : WDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 26-05-17)

Discharge Observed :	1.187	cumec	Water edge RB :	205.00	m	LB :	106.00	m
Area of section :	84.30	sq.m	MeanVelocity :				0.0141	m/sec
Wetted perimeter :	99.174	m	Hydraulic Mean Depth :				0.850	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	110		231.150	2.24		Av.mean		
2	130		230.150	2.65		dia "m" = 2.35		
3	150		230.850	2.44		Silt factor		
4	170		231.410	2.23		"f" =1.76 $\sqrt{m}$		
5	190		231.350	2.19		= 2.70		

Note : i) Discharge observation was at station gauge line.
 ii) River bed: stagnant water.
 iii) Water flows in single channel.

Monsoon Survey (Date 23-09-17)

Discharge Observed :	4.758	cumec	Water edge RB :	205.00	m	LB :	105.00	m
Area of section :	108.2	sq.m	MeanVelocity :				0.0440	m/sec
Wetted perimeter :	100.0	m	Hydraulic Mean Depth :				1.082	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	110		231.160	1.40		Av.mean		
2	130		230.210	1.30		dia "m" = 1.69		
3	150		231.060	2.10		Silt factor		
4	170		231.410	1.71		"f" =1.76 $\sqrt{m}$		
5	190		231.160	1.94		= 2.17		

Note : i) Discharge observation was at station gauge line.
 ii) River bed : flowing water.
 iii) Water flows in single channel.

Postmonsoon Survey (Date 07-12-17)

Discharge Observed :	2.164	cumec	Water edge RB :	205.00	m	LB :	105.00	m
Area of section :	102.7	sq.m	MeanVelocity :				0.0211	m/sec
Wetted perimeter :	100.002	m	Hydraulic Mean Depth :				1.027	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	110		231.100	3.00		Av.mean		
2	130		230.250	2.80		dia "m" = 2.74		
3	150		230.750	3.43		Silt factor		
4	170		231.500	2.29		"f" =1.76 $\sqrt{m}$		
5	190		231.120	2.20		= 2.92		

Note : i) Discharge observation was at station gauge line.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: ASHTI	Code	: AGH40A4
State	: Maharashtra	District	Gadchiroli
Basin	: Godavari	Independent River	: Godavari
Tributary	: Pranhita	Sub Tributary	: Wainganga
Sub-Sub Tributary	: -	Local River	: Wainganga
Division	: Wainganga Div., Nagpur	Sub-Division	: L Wainganga SD, Chandrapur
Drainage Area	: 50990 Sq. Km.	Bank	: Left
Latitude	: 19°41'12"	Longitude	: 79°47'13"
Zero of Gauge (m)	: 137.276 (m.s.l) 141.420 (m.s.l)	01/08/1965	- 31/05/1993
	Opening Date	Closing Date	
Gauge	: 01/08/1965		
Discharge	: 14/07/1965		
Sediment	: 14/03/1966		
Water Quality	: 01/06/1966		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : ASHTI (AGH40A4)

Local River : Wainganga

Division : Wainganga Div., Nagpur

Sub-Division : L Wainganga SD, Chandrapur

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	1.350	0.000	0.000	0.043	0.043	5	22.16	0.002	0.002	0.075	0.078	149	405.3	0.000	0.000	0.085	0.085	2973
2	8.933	0.000	0.000	0.036	0.036	28	31.06	0.000	0.000	0.081	0.081	217	337.1	0.000	0.000	0.056	0.056	1622
3	42.21	0.000	0.000	0.032	0.032	117	34.21	0.002	0.001	0.080	0.083	245	314.7	0.000	0.000	0.036	0.036	965
4	46.01	0.000	0.000	0.036	0.036	143	24.93	0.001	0.001	0.080	0.082	176	176.7	0.000	0.000	0.022	0.022	334
5	85.24	0.000	0.000	0.042	0.042	308	17.88	0.001	0.001	0.058	0.060	93	168.5	0.000	0.000	0.017	0.017	243
6	137.9	0.000	0.000	0.043	0.043	515	43.65	0.000	0.000	0.084	0.084	318	217.6	0.000	0.000	0.020	0.020	376
7	158.0	0.000	0.000	0.067	0.067	916	76.22	0.000	0.000	0.064	0.064	421	143.9	0.000	0.000	0.016	0.016	199
8	73.72	0.000	0.000	0.038	0.038	240	50.60	0.000	0.000	0.050	0.050	216	127.5	0.000	0.000	0.019	0.019	213
9	41.50	0.000	0.000	0.057	0.057	203	42.24	0.000	0.000	0.035	0.035	128	67.74	0.000	0.000	0.015	0.015	90
10	32.31	0.000	0.000	0.054	0.054	152	33.04	0.000	0.000	0.031	0.031	89	4342	0.000	0.000	0.230	0.230	86281
11	24.43	0.000	0.000	0.047	0.047	99	26.38	0.000	0.000	0.030	0.030	68	3627	0.003	0.004	0.179	0.185	58067
12	16.94	0.000	0.000	0.045	0.045	66	22.81	0.000	0.000	0.030	0.030	59	1548	0.002	0.005	0.169	0.176	23541
13	15.10	0.000	0.000	0.042	0.042	55	17.62	0.000	0.000	0.029	0.029	44	1238	0.000	0.000	0.170	0.170	18188
14	13.31	0.000	0.000	0.040	0.040	46	14.83	0.000	0.000	0.029	0.029	37	962.9	0.002	0.003	0.142	0.146	12171
15	12.82	0.000	0.000	0.039	0.039	43	158.0	0.001	0.000	0.200	0.201	2740	861.5	0.000	0.000	0.110	0.110	8188
16	14.77	0.000	0.000	0.047	0.047	60	57.00	0.000	0.000	0.180	0.180	887	624.0	0.001	0.002	0.089	0.091	4922
17	14.07	0.000	0.000	0.046	0.046	56	40.57	0.001	0.000	0.171	0.172	602	413.4	0.000	0.001	0.087	0.088	3143
18	10.98	0.000	0.000	0.050	0.050	47	728.3	0.002	0.000	0.198	0.199	12541	378.6	0.000	0.001	0.058	0.059	1933
19	7.560	0.000	0.000	0.040	0.040	26	6543	0.000	0.000	0.700	0.700	395723	385.7	0.001	0.001	0.093	0.094	3133
20	6.321	0.000	0.000	0.040	0.040	22	6368	0.000	0.000	0.670	0.670	368614	831.9	0.000	0.000	0.120	0.120	8625
21	5.336	0.000	0.000	0.040	0.040	18	3140	0.002	0.003	0.295	0.300	81392	3376	0.002	0.004	0.344	0.350	102083
22	5.057	0.000	0.000	0.040	0.040	17	2443	0.002	0.003	0.246	0.250	52761	1667	0.002	0.003	0.195	0.200	28808
23	4.985	0.000	0.000	0.040	0.040	17	1780	0.000	0.000	0.200	0.200	30753	928.3	0.002	0.008	0.101	0.110	8823
24	5.938	0.000	0.000	0.050	0.050	26	1639	0.002	0.002	0.115	0.119	16849	596.5	0.001	0.002	0.067	0.070	3608
25	5.214	0.000	0.000	0.047	0.047	21	1098	0.001	0.002	0.115	0.118	11194	382.1	0.000	0.000	0.060	0.060	1981
26	4.546	0.000	0.000	0.041	0.041	16	956.2	0.001	0.002	0.109	0.112	9253	574.6	0.001	0.001	0.055	0.057	2820
27	7.584	0.000	0.000	0.050	0.050	33	932.9	0.001	0.002	0.089	0.091	7359	557.7	0.000	0.000	0.060	0.060	2891
28	10.11	0.000	0.000	0.048	0.048	42	721.1	0.001	0.002	0.089	0.092	5726	1057	0.001	0.001	0.108	0.110	10049
29	8.439	0.000	0.000	0.038	0.038	28	664.2	0.001	0.002	0.088	0.090	5165	1222	0.001	0.002	0.113	0.115	12159
30	18.47	0.000	0.000	0.042	0.042	66	629.4	0.000	0.000	0.080	0.080	4350	1614	0.002	0.003	0.123	0.128	17892
31							511.5	0.000	0.000	0.080	0.080	3536	5442	0.000	0.000	0.200	0.200	94046
Ten Daily Mean																		
Ten Daily I	62.72	0.000	0.000	0.045	0.045	263	37.60	0.001	0.000	0.064	0.065	205	630.1	0.000	0.000	0.052	0.052	9330
Ten Daily II	13.63	0.000	0.000	0.044	0.044	52	1398	0.000	0.000	0.224	0.224	78132	1087	0.001	0.002	0.122	0.124	14191
Ten Daily III	7.568	0.000	0.000	0.044	0.044	29	1320	0.001	0.002	0.137	0.139	20758	1583	0.001	0.002	0.130	0.133	25924
Monthly																		
Total						3431						1011704						520366

Annual Sediment Load (Metric Tonnes) : 2005571

Page No 113

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : ASHTI (AGH40A4)

Local River : Wainganga

Division : Wainganga Div., Nagpur

Sub-Division : L Wainganga SD, Chandrapur

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	3591	0.003	0.004	0.144	0.150	46541	444.6	0.000	0.000	0.050	0.050	1921	198.4	0.000	0.000	0.032	0.032	550
2	2134	0.000	0.000	0.130	0.130	23969	386.7	0.000	0.000	0.047	0.047	1570	205.0	0.000	0.000	0.030	0.030	531
3	1382	0.000	0.000	0.110	0.110	13139	384.2	0.000	0.000	0.043	0.044	1451	208.3	0.000	0.000	0.029	0.029	520
4	1179	0.001	0.001	0.084	0.087	8812	379.2	0.000	0.000	0.042	0.042	1389	201.6	0.000	0.000	0.030	0.030	523
5	963.5	0.001	0.001	0.070	0.071	5944	270.0	0.000	0.000	0.034	0.034	803	180.4	0.000	0.000	0.030	0.030	468
6	808.0	0.001	0.001	0.064	0.066	4587	150.0	0.000	0.000	0.026	0.026	336	169.0	0.000	0.000	0.030	0.030	438
7	759.3	0.001	0.001	0.050	0.052	3431	195.2	0.000	0.000	0.035	0.035	584	150.0	0.000	0.000	0.028	0.028	363
8	607.5	0.001	0.001	0.023	0.024	1281	237.8	0.000	0.000	0.070	0.070	1438	134.8	0.000	0.000	0.026	0.026	303
9	399.8	0.000	0.000	0.019	0.020	677	417.5	0.000	0.000	0.088	0.088	3189	96.55	0.000	0.000	0.025	0.025	209
10	241.2	0.000	0.000	0.020	0.020	417	455.6	0.000	0.000	0.091	0.091	3590	88.48	0.000	0.000	0.026	0.026	200
11	136.1	0.000	0.000	0.016	0.016	187	592.4	0.001	0.002	0.109	0.112	5727	80.46	0.000	0.000	0.022	0.022	153
12	447.6	0.000	0.000	0.103	0.103	3983	834.9	0.001	0.001	0.094	0.096	6925	74.49	0.000	0.000	0.020	0.020	129
13	639.3	0.001	0.001	0.102	0.104	5739	984.1	0.001	0.002	0.098	0.101	8588	52.29	0.000	0.000	0.017	0.017	75
14	792.6	0.001	0.001	0.085	0.087	5951	869.5	0.001	0.001	0.086	0.088	6596	50.12	0.000	0.000	0.016	0.016	68
15	1171	0.001	0.002	0.107	0.110	11108	706.3	0.000	0.000	0.070	0.070	4272	47.76	0.000	0.000	0.016	0.016	65
16	1250	0.001	0.002	0.099	0.101	10944	593.3	0.001	0.001	0.056	0.058	2978	37.90	0.000	0.000	0.016	0.016	53
17	1248	0.000	0.000	0.100	0.100	10779	645.4	0.001	0.002	0.058	0.061	3374	34.25	0.000	0.000	0.013	0.013	38
18	1360	0.001	0.002	0.109	0.112	13109	558.3	0.001	0.002	0.052	0.054	2610	27.80	0.000	0.000	0.017	0.017	40
19	1242	0.001	0.002	0.098	0.100	10760	429.7	0.000	0.000	0.062	0.062	2302	25.32	0.000	0.000	0.015	0.015	33
20	1236	0.001	0.002	0.111	0.114	12178	406.9	0.000	0.000	0.056	0.056	1969	19.76	0.000	0.000	0.012	0.012	21
21	1242	0.001	0.002	0.098	0.101	10809	396.2	0.000	0.000	0.049	0.049	1688	19.05	0.000	0.000	0.012	0.012	20
22	2961	0.002	0.004	0.144	0.150	38380	396.0	0.000	0.000	0.050	0.050	1711	17.50	0.000	0.000	0.012	0.012	18
23	3719	0.003	0.005	0.165	0.172	55327	441.4	0.000	0.000	0.048	0.048	1842	16.80	0.000	0.000	0.011	0.011	17
24	2884	0.000	0.000	0.150	0.150	37378	377.5	0.000	0.000	0.045	0.045	1465	13.97	0.000	0.000	0.011	0.011	13
25	1667	0.002	0.004	0.134	0.140	20122	281.4	0.000	0.000	0.043	0.043	1043	14.16	0.000	0.000	0.012	0.012	15
26	1300	0.002	0.003	0.091	0.096	10736	245.2	0.000	0.000	0.040	0.040	847	14.55	0.000	0.000	0.012	0.012	15
27	974.6	0.001	0.007	0.081	0.090	7536	228.8	0.000	0.000	0.040	0.040	791	13.34	0.000	0.000	0.011	0.011	13
28	819.4	0.001	0.002	0.079	0.082	5805	196.4	0.000	0.000	0.040	0.040	679	13.03	0.000	0.000	0.012	0.012	14
29	664.4	0.001	0.002	0.062	0.065	3737	195.4	0.000	0.000	0.040	0.040	675	12.95	0.000	0.000	0.012	0.012	13
30	581.0	0.000	0.000	0.055	0.055	2761	214.9	0.000	0.000	0.040	0.040	746	11.68	0.000	0.000	0.011	0.011	11
31							205.8	0.000	0.000	0.040	0.040	718						
Ten Daily Mean																		
Ten Daily I	1207	0.001	0.001	0.071	0.073	10880	332.1	0.000	0.000	0.053	0.053	1627	163.3	0.000	0.000	0.029	0.029	410
Ten Daily II	952.2	0.001	0.001	0.093	0.095	8474	662.1	0.001	0.001	0.074	0.076	4534	45.01	0.000	0.000	0.016	0.016	67
Ten Daily III	1681	0.001	0.003	0.106	0.110	19259	289.0	0.000	0.000	0.043	0.043	1110	14.70	0.000	0.000	0.012	0.012	15
Monthly																		
Total						386127						73814						4926

Annual Sediment Load (Metric Tonnes) : 2005571

Page No 114

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : ASHTI (AGH40A4)

Local River : Wainganga

Division : Wainganga Div., Nagpur

Sub-Division : L Wainganga SD, Chandrapur

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	11.82	0.000	0.000	0.014	0.014	14	4.801	0.000	0.000	0.012	0.012	5	3.812	0.000	0.000	0.011	0.011	4
2	11.17	0.000	0.000	0.014	0.014	14	4.971	0.000	0.000	0.012	0.012	5	2.831	0.000	0.000	0.011	0.011	3
3	10.85	0.000	0.000	0.014	0.014	13	24.39	0.000	0.000	0.020	0.020	42	2.712	0.000	0.000	0.010	0.010	2
4	9.799	0.000	0.000	0.013	0.013	11	84.36	0.000	0.000	0.035	0.035	255	3.467	0.000	0.000	0.010	0.010	3
5	9.568	0.000	0.000	0.013	0.013	11	93.91	0.000	0.000	0.037	0.037	300	45.11	0.000	0.000	0.021	0.021	81
6	9.589	0.000	0.000	0.013	0.013	11	105.8	0.000	0.000	0.039	0.039	357	54.98	0.000	0.000	0.025	0.025	119
7	9.653	0.000	0.000	0.013	0.013	11	100.9	0.000	0.000	0.038	0.038	331	55.39	0.000	0.000	0.027	0.027	129
8	9.838	0.000	0.000	0.013	0.013	11	105.0	0.000	0.000	0.029	0.029	259	52.37	0.000	0.000	0.026	0.026	118
9	9.433	0.000	0.000	0.013	0.013	11	85.89	0.000	0.000	0.025	0.025	186	45.66	0.000	0.000	0.023	0.023	91
10	8.636	0.000	0.000	0.013	0.013	10	88.52	0.000	0.000	0.026	0.026	199	45.59	0.000	0.000	0.023	0.023	91
11	7.180	0.000	0.000	0.010	0.010	6	88.22	0.000	0.000	0.025	0.025	191	45.97	0.000	0.000	0.023	0.023	91
12	6.926	0.000	0.000	0.010	0.010	6	85.75	0.000	0.000	0.025	0.025	185	45.62	0.000	0.000	0.022	0.022	86
13	6.387	0.000	0.000	0.010	0.010	5	84.08	0.000	0.000	0.025	0.025	182	48.40	0.000	0.000	0.023	0.023	96
14	6.357	0.000	0.000	0.010	0.010	5	63.26	0.000	0.000	0.022	0.022	120	50.56	0.000	0.000	0.023	0.023	100
15	6.067	0.000	0.000	0.010	0.010	5	40.46	0.000	0.000	0.024	0.024	85	52.30	0.000	0.000	0.024	0.024	108
16	5.859	0.000	0.000	0.010	0.010	5	33.49	0.000	0.000	0.023	0.023	67	51.91	0.000	0.000	0.024	0.024	108
17	5.705	0.000	0.000	0.010	0.010	5	26.76	0.000	0.000	0.022	0.022	51	54.83	0.000	0.000	0.025	0.025	118
18	5.591	0.000	0.000	0.010	0.010	5	15.64	0.000	0.000	0.020	0.020	27	56.71	0.000	0.000	0.025	0.025	122
19	5.935	0.000	0.000	0.010	0.010	5	12.95	0.000	0.000	0.022	0.022	25	45.90	0.000	0.000	0.022	0.022	87
20	6.893	0.000	0.000	0.010	0.010	6	11.69	0.000	0.000	0.021	0.021	21	33.81	0.000	0.000	0.022	0.022	64
21	7.277	0.000	0.000	0.010	0.010	6	9.926	0.000	0.000	0.020	0.020	17	22.83	0.000	0.000	0.020	0.020	39
22	7.075	0.000	0.000	0.010	0.010	6	9.049	0.000	0.000	0.015	0.015	12	16.82	0.000	0.000	0.020	0.020	29
23	6.393	0.000	0.000	0.010	0.010	6	8.522	0.000	0.000	0.014	0.014	10	13.41	0.000	0.000	0.018	0.018	21
24	6.720	0.000	0.000	0.010	0.010	6	8.030	0.000	0.000	0.014	0.014	10	10.63	0.000	0.000	0.018	0.018	17
25	6.033	0.000	0.000	0.010	0.010	5	7.842	0.000	0.000	0.013	0.013	9	9.332	0.000	0.000	0.018	0.018	15
26	5.385	0.000	0.000	0.010	0.010	5	6.720	0.000	0.000	0.013	0.013	8	7.650	0.000	0.000	0.018	0.018	12
27	5.270	0.000	0.000	0.010	0.010	4	5.941	0.000	0.000	0.012	0.012	6	6.610	0.000	0.000	0.017	0.017	10
28	4.893	0.000	0.000	0.010	0.010	4	4.788	0.000	0.000	0.012	0.012	5	6.008	0.000	0.000	0.017	0.017	9
29	4.864	0.000	0.000	0.010	0.010	4	4.710	0.000	0.000	0.011	0.011	5						
30	4.590	0.000	0.000	0.010	0.010	4	4.608	0.000	0.000	0.011	0.011	4						
31	4.788	0.000	0.000	0.010	0.010	4	3.847	0.000	0.000	0.011	0.011	4						
Ten Daily Mean																		
Ten Daily I	10.04	0.000	0.000	0.013	0.013	12	69.85	0.000	0.000	0.027	0.027	194	31.19	0.000	0.000	0.019	0.019	64
Ten Daily II	6.290	0.000	0.000	0.010	0.010	5	46.23	0.000	0.000	0.023	0.023	95	48.60	0.000	0.000	0.023	0.023	98
Ten Daily III	5.754	0.000	0.000	0.010	0.010	5	6.726	0.000	0.000	0.013	0.013	8	11.66	0.000	0.000	0.018	0.018	19
Monthly																		
Total						222						2980						1774

Annual Sediment Load (Metric Tonnes) : 2005571

Page No 115

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : ASHTI (AGH40A4)

Local River : Wainganga

Division : Wainganga Div., Nagpur

Sub-Division : L Wainganga SD, Chandrapur

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	5.347	0.000	0.000	0.017	0.017	8	0.777	0.000	0.000	0.010	0.010	1	0.068	0.000	0.000	0.006	0.006	0.04
2	3.511	0.000	0.000	0.016	0.016	5	0.886	0.000	0.000	0.010	0.010	1	0.030	0.000	0.000	0.004	0.004	0.01
3	2.919	0.000	0.000	0.016	0.016	4	0.501	0.000	0.000	0.010	0.010	0.4	0.008	0.000	0.000	0.001	0.001	0.001
4	2.814	0.000	0.000	0.016	0.016	4	0.557	0.000	0.000	0.010	0.010	0.5	0.007	0.000	0.000	0.001	0.001	0.001
5	2.763	0.000	0.000	0.015	0.015	4	0.390	0.000	0.000	0.010	0.010	0.3	0.006	0.000	0.000	0.001	0.001	0.001
6	2.638	0.000	0.000	0.015	0.015	3	0.371	0.000	0.000	0.010	0.010	0.3	0.006	0.000	0.000	0.001	0.001	0.001
7	2.131	0.000	0.000	0.015	0.015	3	0.369	0.000	0.000	0.010	0.010	0.3	0.006	0.000	0.000	0.001	0.001	0.001
8	2.163	0.000	0.000	0.015	0.015	3	0.433	0.000	0.000	0.010	0.010	0.4	0.006	0.000	0.000	0.001	0.001	0.001
9	1.712	0.000	0.000	0.015	0.015	2	0.343	0.000	0.000	0.010	0.010	0.3	0.005	0.000	0.000	0.001	0.001	0.000
10	1.638	0.000	0.000	0.014	0.014	2	0.353	0.000	0.000	0.010	0.010	0.3	6.224	0.000	0.000	0.010	0.010	5
11	1.685	0.000	0.000	0.014	0.014	2	0.263	0.000	0.000	0.009	0.009	0.2	13.27	0.000	0.000	0.020	0.020	23
12	1.652	0.000	0.000	0.013	0.013	2	0.271	0.000	0.000	0.009	0.009	0.2	12.06	0.000	0.000	0.015	0.015	16
13	1.601	0.000	0.000	0.013	0.013	2	0.269	0.000	0.000	0.009	0.009	0.2	8.589	0.000	0.000	0.011	0.011	8
14	3.294	0.000	0.000	0.015	0.015	4	0.271	0.000	0.000	0.009	0.009	0.2	5.921	0.000	0.000	0.010	0.010	5
15	3.832	0.000	0.000	0.015	0.015	5	0.250	0.000	0.000	0.009	0.009	0.2	3.851	0.000	0.000	0.010	0.010	3
16	3.530	0.000	0.000	0.015	0.015	5	0.249	0.000	0.000	0.009	0.009	0.2	3.571	0.000	0.000	0.010	0.010	3
17	3.510	0.000	0.000	0.015	0.015	5	0.246	0.000	0.000	0.009	0.009	0.2	2.423	0.000	0.000	0.009	0.009	2
18	3.511	0.000	0.000	0.015	0.015	5	0.069	0.000	0.000	0.007	0.007	0.04	2.143	0.000	0.000	0.009	0.009	2
19	3.037	0.000	0.000	0.014	0.014	4	0.068	0.000	0.000	0.007	0.007	0.04	1.238	0.000	0.000	0.009	0.009	1
20	2.670	0.000	0.000	0.014	0.014	3	0.067	0.000	0.000	0.007	0.007	0.04	0.951	0.000	0.000	0.009	0.009	1
21	2.538	0.000	0.000	0.014	0.014	3	0.030	0.000	0.000	0.007	0.007	0.02	0.640	0.000	0.000	0.008	0.008	0.4
22	1.770	0.000	0.000	0.011	0.011	2	0.109	0.000	0.000	0.007	0.007	0.1	2.427	0.000	0.000	0.010	0.010	2
23	1.681	0.000	0.000	0.011	0.011	2	0.230	0.000	0.000	0.007	0.007	0.1	6.451	0.000	0.000	0.015	0.015	8
24	1.574	0.000	0.000	0.011	0.011	1	0.365	0.000	0.000	0.010	0.010	0.3	9.077	0.000	0.000	0.019	0.019	15
25	1.530	0.000	0.000	0.011	0.011	1	0.352	0.000	0.000	0.010	0.010	0.3	8.139	0.000	0.000	0.014	0.014	10
26	1.218	0.000	0.000	0.011	0.011	1	0.253	0.000	0.000	0.009	0.009	0.2	7.902	0.000	0.000	0.012	0.012	8
27	1.159	0.000	0.000	0.011	0.011	1	0.587	0.000	0.000	0.010	0.010	0.5	6.515	0.000	0.000	0.010	0.010	6
28	1.093	0.000	0.000	0.010	0.010	1	0.304	0.000	0.000	0.009	0.009	0.2	5.938	0.000	0.000	0.010	0.010	5
29	0.995	0.000	0.000	0.010	0.010	1	0.229	0.000	0.000	0.009	0.009	0.2	5.268	0.000	0.000	0.009	0.009	4
30	0.995	0.000	0.000	0.010	0.010	1	0.109	0.000	0.000	0.008	0.008	0.1	4.172	0.000	0.000	0.008	0.008	3
31	0.957	0.000	0.000	0.010	0.010	1							3.508	0.000	0.000	0.004	0.004	1
Ten Daily Mean																		
Ten Daily I	2.764	0.000	0.000	0.015	0.015	4	0.498	0.000	0.000	0.010	0.010	0.4	0.637	0.000	0.000	0.003	0.003	1
Ten Daily II	2.832	0.000	0.000	0.014	0.014	4	0.202	0.000	0.000	0.008	0.008	0.2	5.402	0.000	0.000	0.011	0.011	6
Ten Daily III	1.410	0.000	0.000	0.011	0.011	1	0.257	0.000	0.000	0.008	0.008	0.2	5.458	0.000	0.000	0.011	0.011	6
Monthly																		
Total						88						8						131

Annual Sediment Load (Metric Tonnes) : 2005571

Page No 116

Annual Sediment Load for period : 1969-2018**Station Name : ASHTI (AGH40A4)****Division : Wainganga Div., Nagpur****Local River : Wainganga****Sub-Division : L Wainganga SD, Chandrapur**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1969-1970	21014549	2970	21017519	20278
1970-1971	36851394	10686	36862080	32224
1971-1972	15487181	2115	15489296	18672
1972-1973	13522354	2356	13524710	11511
1973-1974	36533860	4319	36538180	31600
1974-1975	7894201	4859	7899060	11879
1975-1976	28994860	6776	29001636	33890
1976-1977	17334007	5318	17339325	20779
1977-1978	26400119	44277	26444396	26528
1978-1979	16190903	236357	16427261	31085
1979-1980	2404539	0	2404539	18940
1980-1981	25231982	2752	25234734	24724
1981-1982	42471556	3311	42474867	24645
1982-1983	6200911	2465	6203376	12157
1983-1984	20077229	13671	20090900	27708
1984-1985	12492100	2460	12494560	17066
1985-1986	9546194	13970	9560165	15080
1986-1987	28497876	2994	28500870	24359
1987-1988	1998203	242	1998444	5778
1988-1989	5701787	445	5702232	20006
1989-1990	3965700	4514	3970215	9258
1990-1991	14741166	431	14741597	29442
1991-1992	5463187	13	5463200	16093
1992-1993	2561654	95	2561749	22843
1993-1994	5198875	80	5198956	20006
1994-1995	25229291	978	25230269	60437
1995-1996	7323453	165	7323618	19090
1996-1997	2348958	0	2348958	8766
1997-1998	4999244	12930	5012174	18648
1998-1999	7564703	4321	7569024	18476
1999-2000	16368866	1680	16370546	30112
2000-2001	9012852	0	9012852	16894
2001-2002	7792256	0	7792256	19344
2002-2003	12810243	1697	12811940	15235
2003-2004	14203018	2988	14206006	21264
2004-2005	2531966	4633	2536599	7963
2005-2006	15225860	7177	15233038	29490
2006-2007	13686874	11075	13697949	23879
2007-2008	18076794	8988	18085782	23709
2008-2009	3859125	1152	3860277	11553
2009-2010	5246527	9537	5256064	10680
2010-2011	3371809	15618	3387427	27039
2011-2012	5346138	10151	5356289	21362
2012-2013	8994057	10015	9004071	26957
2013-2014	18203294	19863	18223157	49487
2014-2015	3414057	16387	3430445	16546

Annual Sediment Load for period : 1969-2018

Station Name : ASHTI (AGH40A4)

Division : Wainganga Div., Nagpur

Local River : Wainganga

Sub-Division : L Wainganga SD, Chandrapur

2015-2016	3694681	4326	3699007	11604
2016-2017	5034727	25185	5059911	25251
2017-2018	2000368	5203	2005571	10420

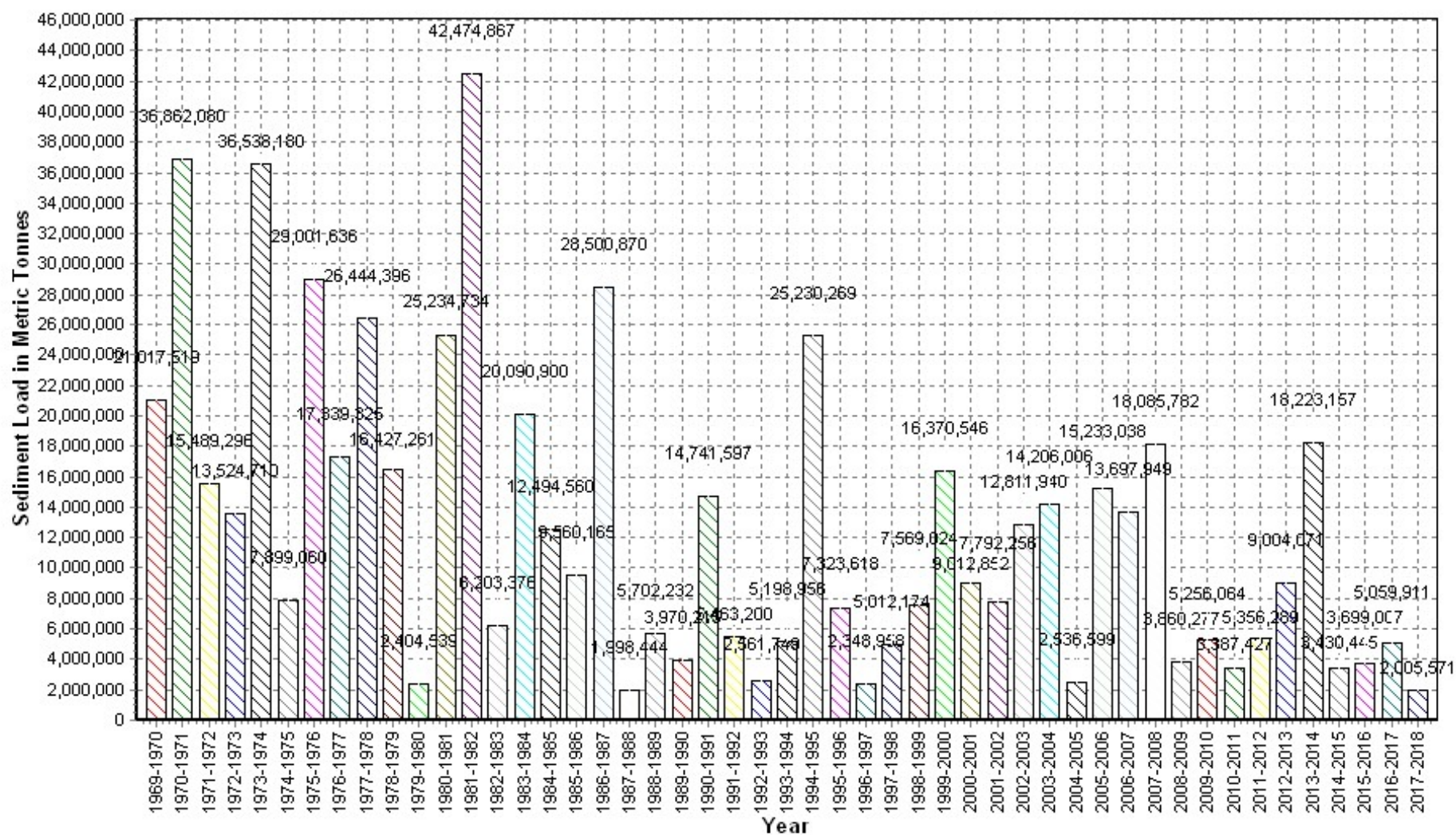
Annual Sediment Load for the period: 1969-2018

Station Name : ASHTI (AGH40A4)

Local River : Wainganga

Division : Wainganga Div., Nagpur

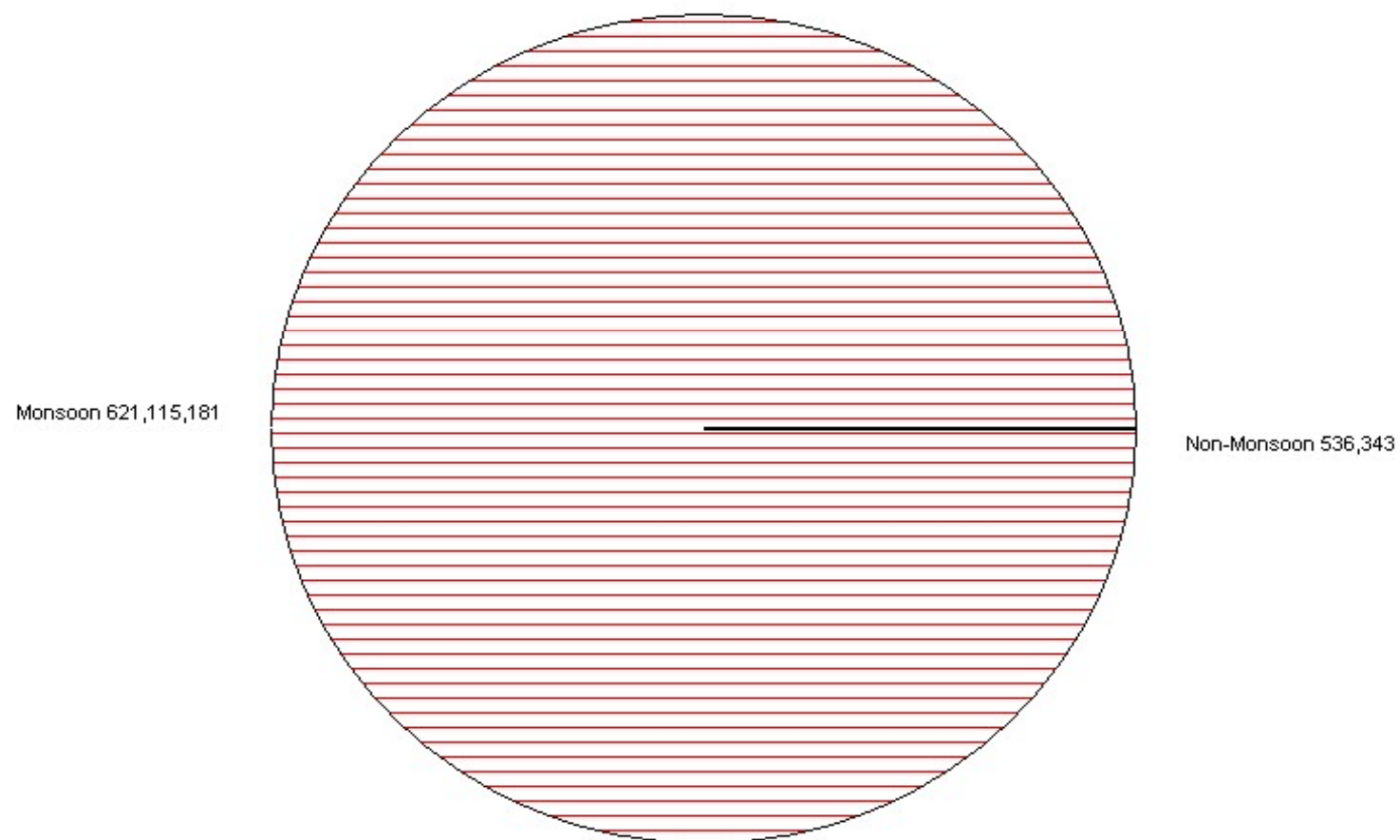
Sub-Division : L Wainganga SD, Chandrapur



Station Name : ASHTI (AGH40A4)
Local River : Wainganga

Seasonal Sediment Load for the period : 1969-2017

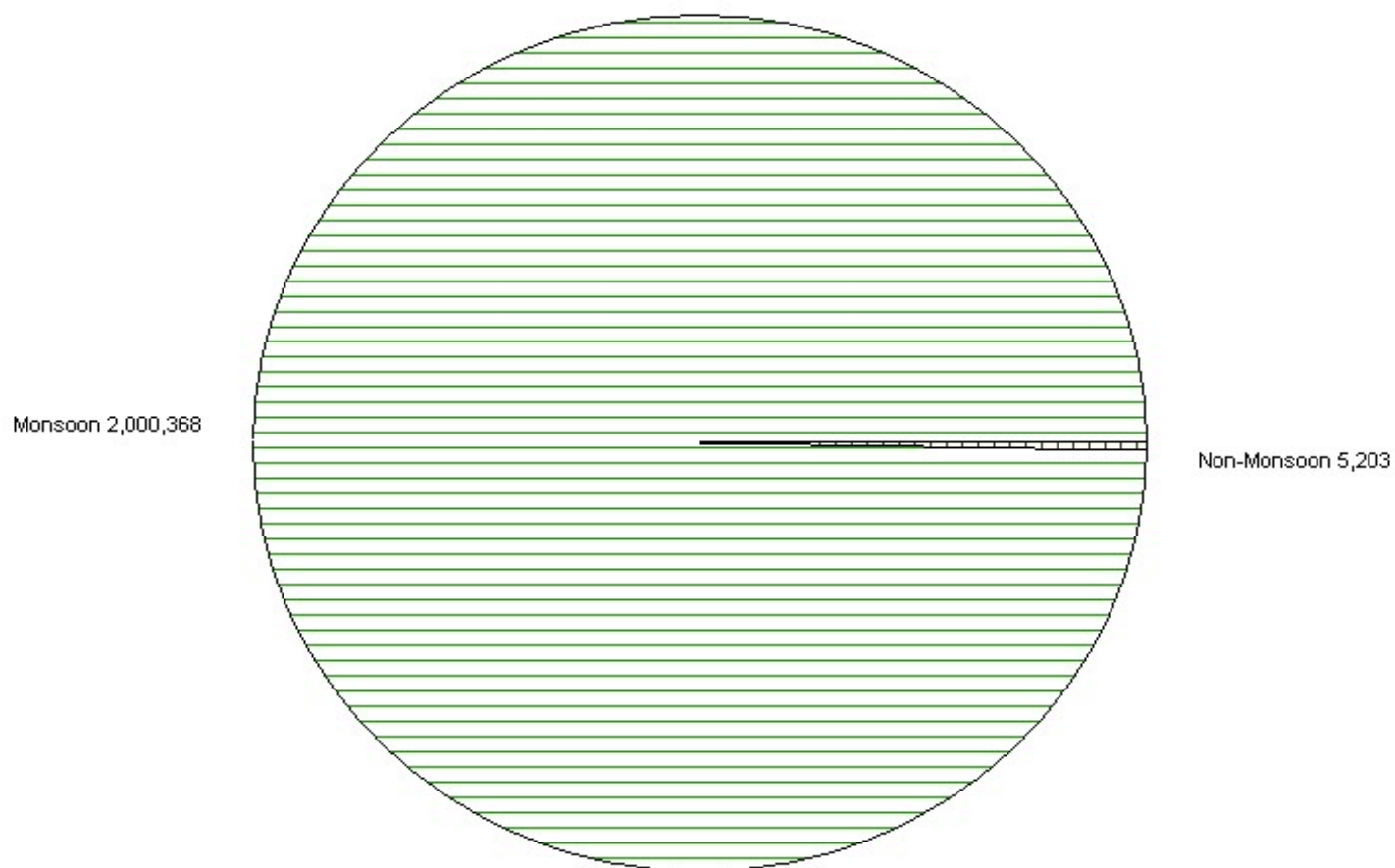
Division : Wainganga Div., Nagpur
Sub-Division : L Wainganga SD, Chandrapur



Station Name : ASHTI (AGH40A4)
Local River : Wainganga

Seasonal Sediment Load for the Year: 2017-2018

Division : Wainganga Div., Nagpur
Sub-Division : L Wainganga SD, Chandrapur



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : WAINGANGA AT ASHTI CODE : AGH40A4
 MEASURING : WDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 04-05-17)

Discharge Observed :	0.581	cumec	Water edge RB :	124.00	m	LB :	94.00	m
Area of section :	7.660	sq.m	MeanVelocity :				0.758	m/sec
Wetted perimeter :	30.0234	m	Hydraulic Mean Depth :				0.2551	m
Sl. No	R.D. of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	100		141.930	2.23				
2	200		143.380	1.39		Av.mean dia "m" = 1.66		
3	300		144.005	2.07				
4	400		144.980	1.49		Silt factor		
5	500		144.720	1.73		"f" = 1.76 $\sqrt{m}$		
6	600		142.240	1.06		= 2.27		

Note : i) Discharge observation was at station gauge line.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

Monsoon Survey (Date 02-11-17)

Discharge Observed :	205.041	cumec	Water edge RB :	736.00	m	LB :	36.50	m
Area of section :	810.2	sq.m	MeanVelocity :				0.2531	m/sec
Wetted perimeter :	695.8902	m	Hydraulic Mean Depth :				1.1644	m
Sl. No	R.D. of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	100		141.730	1.62				
2	200		142.960	1.76		Av.mean dia "m" = 1.81		
3	300		143.700	1.71				
4	400		144.160	3.07		Silt factor		
5	500		144.465	1.52		"f" = 1.76 $\sqrt{m}$		
6	600		142.910	1.67		= 2.41		

Note : i) Discharge observation was at station gauge line.
 ii) River bed : flowing water.
 iii) Water flows in single channel.

Postmonsoon Survey (Date 02-02-18)

Discharge Observed :	2.831	cumec	Water edge RB :	145.00	m	LB :	75.00	m
Area of section :	24.15	sq.m	MeanVelocity :				0.1172	m/sec
Wetted perimeter :	70.0262	m	Hydraulic Mean Depth :				0.3449	m
Sl. No	R.D. of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	100		142.300	2.49				
2	200		143.350	2.19		Av.mean dia "m" = 2.06		
3	300		144.660	1.52				
4	400		144.540	2.99		Silt factor		
5	500		145.005	1.91		"f" = 1.76 $\sqrt{m}$		
6	600		143.740	1.23		= 2.53		

Note : i) Discharge observation was at station gauge line.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: SATRAPUR	Code	: AGH4BF6
State	: Maharashtra	District	Nagpur
Basin	: Godavari	Independent River	: Godavari
Tributary	: Pranhita	Sub Tributary	: Wainganga
Sub-Sub Tributary	: Khanan	Local River	: Khanan
Division	: Wainganga Div., Nagpur	Sub-Division	: Upper Wainganga SD, Nagpur
Drainage Area	: 11100 Sq. Km.	Bank	: Left
Latitude	: 21°13'00"	Longitude	: 79°13'59"
Zero of Gauge (m)	: 264.300 (m.s.l) 263.300 (m.s.l)	07/09/1984	- 31/03/1987
	Opening Date	Closing Date	
Gauge	: 07/09/1984		
Discharge	: 30/05/1986		
Sediment	: 01/08/1988		
Water Quality	: 09/12/1987		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : SATRAPUR (AGH4BF6)

Local River : Khanan

Division : Wainganga Div., Nagpur

Sub-Division : Upper Wainganga SD, Nagpur

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	0.875	0.000	0.000	0.010	0.010	1	50.70	0.023	0.038	0.119	0.180	789	15.57	0.000	0.000	0.032	0.032	42
2	0.882	0.000	0.000	0.010	0.010	1	80.22	0.000	0.000	0.230	0.230	1594	14.74	0.000	0.000	0.028	0.028	36
3	1.030	0.000	0.000	0.010	0.010	1	25.13	0.000	0.000	0.154	0.154	333	13.38	0.000	0.000	0.028	0.028	32
4	0.812	0.000	0.000	0.010	0.010	1	22.42	0.000	0.000	0.037	0.037	72	9.949	0.000	0.000	0.026	0.026	22
5	0.832	0.000	0.000	0.010	0.010	1	20.15	0.000	0.000	0.062	0.062	107	11.69	0.000	0.000	0.031	0.031	31
6	0.828	0.000	0.000	0.010	0.010	1	16.59	0.000	0.000	0.047	0.047	68	10.60	0.000	0.000	0.030	0.030	27
7	0.741	0.000	0.000	0.010	0.010	1	18.14	0.000	0.000	0.046	0.046	73	9.402	0.000	0.000	0.031	0.031	26
8	1.038	0.000	0.000	0.010	0.010	1	14.51	0.000	0.000	0.052	0.052	66	10.01	0.000	0.000	0.039	0.039	33
9	1.281	0.000	0.000	0.010	0.010	1	14.64	0.000	0.000	0.050	0.050	63	9.309	0.000	0.000	0.017	0.017	14
10	1.500	0.000	0.000	0.012	0.012	2	7.801	0.000	0.000	0.020	0.020	13	9.529	0.000	0.000	0.011	0.011	9
11	1.450	0.000	0.000	0.013	0.013	2	11.53	0.000	0.000	0.040	0.040	40	9.742	0.000	0.000	0.012	0.012	10
12	2.000	0.000	0.000	0.017	0.017	3	11.31	0.000	0.000	0.040	0.040	39	9.360	0.000	0.000	0.013	0.013	11
13	1.884	0.000	0.000	0.014	0.014	2	11.21	0.000	0.000	0.040	0.040	39	9.710	0.000	0.000	0.012	0.012	10
14	2.119	0.000	0.000	0.017	0.017	3	10.46	0.000	0.000	0.020	0.020	18	9.480	0.000	0.000	0.011	0.011	9
15	1.664	0.000	0.000	0.015	0.015	2	11.93	0.000	0.000	0.030	0.030	31	8.863	0.000	0.000	0.011	0.011	8
16	1.598	0.000	0.000	0.015	0.015	2	8.457	0.000	0.000	0.010	0.010	7	9.225	0.000	0.000	0.011	0.011	9
17	1.884	0.000	0.000	0.017	0.017	3	11.19	0.000	0.000	0.016	0.016	15	8.572	0.000	0.000	0.010	0.010	7
18	1.771	0.000	0.000	0.017	0.017	3	192.2	0.004	0.006	0.290	0.300	4982	8.337	0.000	0.000	0.010	0.010	7
19	1.619	0.000	0.000	0.016	0.016	2	73.73	0.000	0.000	0.180	0.180	1147	710.5	0.012	0.015	0.673	0.700	42973
20	1.558	0.000	0.000	0.015	0.015	2	189.0	0.000	0.000	0.290	0.290	4736	64.60	0.000	0.000	0.065	0.065	363
21	1.527	0.000	0.000	0.015	0.015	2	127.1	0.007	0.009	0.225	0.240	2635	23.25	0.000	0.000	0.044	0.044	88
22	8.527	0.000	0.000	0.026	0.026	19	79.30	0.000	0.000	0.160	0.160	1096	17.09	0.000	0.000	0.040	0.040	59
23	8.108	0.000	0.000	0.025	0.025	18	78.72	0.000	0.000	0.150	0.150	1020	11.43	0.000	0.000	0.026	0.026	26
24	7.954	0.000	0.000	0.022	0.022	15	66.65	0.000	0.000	0.110	0.110	633	13.01	0.000	0.000	0.027	0.027	30
25	6.591	0.000	0.000	0.020	0.020	11	26.68	0.000	0.000	0.100	0.100	230	163.8	0.000	0.000	0.300	0.300	4245
26	6.251	0.000	0.000	0.020	0.020	11	22.82	0.000	0.000	0.035	0.035	69	113.9	0.000	0.000	0.270	0.270	2657
27	11.74	0.000	0.000	0.040	0.040	41	23.10	0.000	0.000	0.039	0.039	78	108.4	0.000	0.000	0.260	0.260	2435
28	178.6	0.000	0.000	0.280	0.280	4321	18.98	0.000	0.000	0.039	0.039	63	98.74	0.000	0.000	0.238	0.238	2031
29	214.7	0.000	0.000	0.350	0.350	6492	16.94	0.000	0.000	0.037	0.037	53	578.3	0.008	0.011	0.651	0.670	33456
30	67.18	0.000	0.000	0.190	0.190	1103	22.92	0.000	0.000	0.039	0.039	76	535.4	0.004	0.005	0.458	0.467	21598
31							16.58	0.000	0.000	0.033	0.033	47	165.7	0.003	0.005	0.302	0.310	4438
Ten Daily Mean																		
Ten Daily I	0.982	0.000	0.000	0.010	0.010	1	27.03	0.002	0.004	0.082	0.088	318	11.42	0.000	0.000	0.027	0.027	27
Ten Daily II	1.755	0.000	0.000	0.016	0.016	2	53.10	0.000	0.001	0.096	0.097	1105	84.84	0.001	0.002	0.083	0.085	4341
Ten Daily III	51.12	0.000	0.000	0.099	0.099	1203	45.43	0.001	0.001	0.088	0.089	546	166.3	0.001	0.002	0.238	0.241	6460
Monthly																		
Total						12065						20233						114741

Annual Sediment Load (Metric Tonnes) : 302506

Page No 124

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : SATRAPUR (AGH4BF6)

Local River : Khanan

Division : Wainganga Div., Nagpur

Sub-Division : Upper Wainganga SD, Nagpur

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	112.8	0.002	0.003	0.205	0.210	2046	37.19	0.000	0.000	0.041	0.041	132	12.04	0.000	0.000	0.015	0.015	16
2	56.91	0.000	0.000	0.040	0.040	197	33.46	0.000	0.000	0.034	0.034	98	11.83	0.000	0.000	0.011	0.011	11
3	42.17	0.000	0.000	0.032	0.032	117	23.06	0.000	0.000	0.031	0.031	62	11.57	0.000	0.000	0.011	0.011	11
4	24.06	0.000	0.000	0.028	0.028	59	21.12	0.000	0.000	0.031	0.031	57	11.54	0.000	0.000	0.011	0.011	11
5	23.29	0.000	0.000	0.024	0.024	49	20.33	0.000	0.000	0.028	0.028	50	11.07	0.000	0.000	0.011	0.011	11
6	22.11	0.000	0.000	0.021	0.021	40	19.54	0.000	0.000	0.028	0.028	47	9.869	0.000	0.000	0.012	0.012	10
7	20.74	0.000	0.000	0.020	0.020	36	18.43	0.000	0.000	0.029	0.029	46	9.363	0.000	0.000	0.010	0.010	8
8	18.18	0.000	0.000	0.016	0.016	25	22.21	0.000	0.000	0.028	0.028	54	8.932	0.000	0.000	0.008	0.008	6
9	41.98	0.000	0.000	0.046	0.046	168	23.69	0.000	0.000	0.026	0.026	53	8.957	0.000	0.000	0.011	0.011	9
10	97.87	0.000	0.000	0.060	0.060	507	23.49	0.000	0.000	0.030	0.030	60	8.838	0.000	0.000	0.010	0.010	8
11	91.99	0.000	0.000	0.074	0.074	591	41.94	0.000	0.000	0.024	0.024	87	8.828	0.000	0.000	0.008	0.008	6
12	64.82	0.000	0.000	0.056	0.056	315	45.51	0.000	0.000	0.025	0.025	99	7.305	0.000	0.000	0.008	0.008	5
13	76.47	0.000	0.000	0.030	0.030	200	24.42	0.000	0.000	0.025	0.025	52	8.209	0.000	0.000	0.008	0.008	6
14	135.8	0.008	0.009	0.469	0.486	5706	23.26	0.000	0.000	0.025	0.025	51	7.956	0.000	0.000	0.007	0.007	5
15	368.1	0.015	0.016	0.909	0.940	29885	30.82	0.000	0.000	0.027	0.027	72	7.972	0.000	0.000	0.006	0.006	4
16	156.9	0.005	0.007	0.210	0.222	3008	23.31	0.000	0.000	0.025	0.025	50	7.266	0.000	0.000	0.006	0.006	4
17	81.74	0.000	0.000	0.120	0.120	847	22.74	0.000	0.000	0.025	0.025	48	7.132	0.000	0.000	0.007	0.007	4
18	85.13	0.008	0.009	0.062	0.078	576	20.57	0.000	0.000	0.022	0.022	39	6.878	0.000	0.000	0.006	0.006	4
19	286.8	0.009	0.012	0.668	0.690	17100	24.39	0.000	0.000	0.026	0.026	55	5.948	0.000	0.000	0.006	0.006	3
20	229.8	0.010	0.011	0.470	0.490	9728	18.60	0.000	0.000	0.031	0.031	49	8.475	0.000	0.000	0.010	0.010	7
21	928.9	0.018	0.020	0.762	0.800	64206	17.67	0.000	0.000	0.032	0.032	48	8.393	0.000	0.000	0.010	0.010	7
22	287.4	0.009	0.009	0.332	0.350	8691	20.82	0.000	0.000	0.032	0.032	58	8.115	0.000	0.000	0.010	0.010	7
23	157.4	0.006	0.007	0.266	0.280	3808	16.96	0.000	0.000	0.027	0.027	40	8.592	0.000	0.000	0.015	0.015	11
24	108.4	0.000	0.000	0.200	0.200	1873	17.77	0.000	0.000	0.028	0.028	43	7.152	0.000	0.000	0.011	0.011	7
25	88.60	0.000	0.000	0.140	0.140	1072	16.85	0.000	0.000	0.027	0.027	39	8.450	0.000	0.000	0.015	0.015	11
26	86.48	0.000	0.000	0.110	0.110	822	15.99	0.000	0.000	0.025	0.025	35	6.963	0.000	0.000	0.010	0.010	6
27	68.27	0.000	0.000	0.098	0.098	578	14.40	0.000	0.000	0.023	0.023	29	7.390	0.000	0.000	0.010	0.010	6
28	62.56	0.000	0.000	0.085	0.085	459	14.31	0.000	0.000	0.025	0.025	31	7.350	0.000	0.000	0.009	0.009	6
29	59.16	0.000	0.000	0.065	0.065	332	15.21	0.000	0.000	0.025	0.025	33	7.125	0.000	0.000	0.009	0.009	6
30	41.15	0.000	0.000	0.045	0.045	160	12.46	0.000	0.000	0.020	0.020	22	7.135	0.000	0.000	0.009	0.009	6
31							12.12	0.000	0.000	0.020	0.020	21						
Ten Daily Mean																		
Ten Daily I	46.01	0.000	0.000	0.049	0.050	324	24.25	0.000	0.000	0.031	0.031	66	10.40	0.000	0.000	0.011	0.011	10
Ten Daily II	157.8	0.006	0.006	0.307	0.319	6796	27.56	0.000	0.000	0.025	0.025	60	7.597	0.000	0.000	0.007	0.007	5
Ten Daily III	188.8	0.003	0.004	0.210	0.217	8200	15.87	0.000	0.000	0.026	0.026	36	7.667	0.000	0.000	0.011	0.011	7
Monthly																		
Total						153202						1659						221

Annual Sediment Load (Metric Tonnes) : 302506

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : SATRAPUR (AGH4BF6)

Local River : Khanan

Division : Wainganga Div., Nagpur

Sub-Division : Upper Wainganga SD, Nagpur

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	7.032	0.000	0.000	0.020	0.020	12	1.337	0.000	0.000	0.017	0.017	2	1.006	0.000	0.000	0.011	0.011	1
2	7.064	0.000	0.000	0.020	0.020	12	1.324	0.000	0.000	0.016	0.016	2	0.988	0.000	0.000	0.011	0.011	1
3	6.602	0.000	0.000	0.019	0.019	11	1.297	0.000	0.000	0.016	0.016	2	0.955	0.000	0.000	0.010	0.010	1
4	6.133	0.000	0.000	0.019	0.019	10	1.222	0.000	0.000	0.016	0.016	2	0.949	0.000	0.000	0.010	0.010	1
5	6.060	0.000	0.000	0.019	0.019	10	1.289	0.000	0.000	0.016	0.016	2	0.959	0.000	0.000	0.011	0.011	1
6	5.793	0.000	0.000	0.018	0.018	9	1.324	0.000	0.000	0.017	0.017	2	0.968	0.000	0.000	0.010	0.010	1
7	5.984	0.000	0.000	0.018	0.018	9	1.377	0.000	0.000	0.017	0.017	2	0.932	0.000	0.000	0.010	0.010	1
8	6.129	0.000	0.000	0.019	0.019	10	1.481	0.000	0.000	0.021	0.021	3	0.935	0.000	0.000	0.009	0.009	1
9	6.129	0.000	0.000	0.019	0.019	10	1.507	0.000	0.000	0.022	0.022	3	0.917	0.000	0.000	0.009	0.009	1
10	5.793	0.000	0.000	0.019	0.019	9	1.374	0.000	0.000	0.023	0.023	3	0.924	0.000	0.000	0.085	0.085	7
11	5.824	0.000	0.000	0.019	0.019	9	1.365	0.000	0.000	0.022	0.022	3	0.949	0.000	0.000	0.009	0.009	1
12	5.927	0.000	0.000	0.019	0.019	10	1.337	0.000	0.000	0.021	0.021	2	1.458	0.000	0.000	0.009	0.009	1
13	5.846	0.000	0.000	0.019	0.019	9	1.333	0.000	0.000	0.028	0.028	3	2.062	0.000	0.000	0.009	0.009	2
14	5.798	0.000	0.000	0.019	0.019	9	1.299	0.000	0.000	0.034	0.034	4	1.872	0.000	0.000	0.009	0.009	1
15	5.979	0.000	0.000	0.019	0.019	10	1.300	0.000	0.000	0.042	0.042	5	1.863	0.000	0.000	0.009	0.009	1
16	5.922	0.000	0.000	0.019	0.019	10	1.315	0.000	0.000	0.040	0.040	5	1.828	0.000	0.000	0.008	0.008	1
17	5.793	0.000	0.000	0.019	0.019	9	1.274	0.000	0.000	0.030	0.030	3	1.790	0.000	0.000	0.008	0.008	1
18	5.224	0.000	0.000	0.018	0.018	8	1.484	0.000	0.000	0.020	0.020	3	1.872	0.000	0.000	0.008	0.008	1
19	5.200	0.000	0.000	0.019	0.019	8	1.471	0.000	0.000	0.010	0.010	1	2.161	0.000	0.000	0.011	0.011	2
20	5.026	0.000	0.000	0.018	0.018	8	1.457	0.000	0.000	0.010	0.010	1	2.161	0.000	0.000	0.010	0.010	2
21	1.969	0.000	0.000	0.016	0.016	3	1.377	0.000	0.000	0.010	0.010	1	2.062	0.000	0.000	0.010	0.010	2
22	1.978	0.000	0.000	0.016	0.016	3	1.217	0.000	0.000	0.012	0.012	1	1.965	0.000	0.000	0.010	0.010	2
23	1.884	0.000	0.000	0.016	0.016	3	1.208	0.000	0.000	0.012	0.012	1	1.965	0.000	0.000	0.010	0.010	2
24	1.627	0.000	0.000	0.016	0.016	2	1.182	0.000	0.000	0.012	0.012	1	1.741	0.000	0.000	0.010	0.010	2
25	1.541	0.000	0.000	0.016	0.016	2	1.130	0.000	0.000	0.012	0.012	1	1.365	0.000	0.000	0.010	0.010	1
26	1.568	0.000	0.000	0.016	0.016	2	1.151	0.000	0.000	0.012	0.012	1	1.252	0.000	0.000	0.011	0.011	1
27	1.516	0.000	0.000	0.017	0.017	2	1.054	0.000	0.000	0.012	0.012	1	0.924	0.000	0.000	0.010	0.010	1
28	1.496	0.000	0.000	0.017	0.017	2	1.081	0.000	0.000	0.012	0.012	1	0.850	0.000	0.000	0.010	0.010	1
29	1.480	0.000	0.000	0.017	0.017	2	1.024	0.000	0.000	0.012	0.012	1						
30	1.473	0.000	0.000	0.017	0.017	2	1.061	0.000	0.000	0.012	0.012	1						
31	1.377	0.000	0.000	0.017	0.017	2	1.019	0.000	0.000	0.012	0.012	1						
Ten Daily Mean																		
Ten Daily I	6.272	0.000	0.000	0.019	0.019	10	1.353	0.000	0.000	0.018	0.018	2	0.953	0.000	0.000	0.017	0.017	1
Ten Daily II	5.654	0.000	0.000	0.019	0.019	9	1.363	0.000	0.000	0.026	0.026	3	1.802	0.000	0.000	0.009	0.009	1
Ten Daily III	1.628	0.000	0.000	0.016	0.016	2	1.137	0.000	0.000	0.012	0.012	1	1.516	0.000	0.000	0.010	0.010	1
Monthly																		
Total						219						64						39

Annual Sediment Load (Metric Tonnes) : 302506

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : SATRAPUR (AGH4BF6)

Local River : Khanan

Division : Wainganga Div., Nagpur

Sub-Division : Upper Wainganga SD, Nagpur

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	0.852	0.000	0.000	0.010	0.010	1	0.671	0.000	0.000	0.012	0.012	1	0.698	0.000	0.000	0.009	0.009	1
2	0.776	0.000	0.000	0.010	0.010	1	0.575	0.000	0.000	0.011	0.011	1	0.705	0.000	0.000	0.009	0.009	1
3	0.873	0.000	0.000	0.010	0.010	1	0.575	0.000	0.000	0.011	0.011	1	0.700	0.000	0.000	0.009	0.009	1
4	0.671	0.000	0.000	0.010	0.010	1	0.876	0.000	0.000	0.011	0.011	1	0.696	0.000	0.000	0.009	0.009	1
5	0.728	0.000	0.000	0.011	0.011	1	0.838	0.000	0.000	0.010	0.010	1	0.668	0.000	0.000	0.009	0.009	0.5
6	0.721	0.000	0.000	0.010	0.010	1	0.825	0.000	0.000	0.010	0.010	1	0.722	0.000	0.000	0.009	0.009	1
7	0.712	0.000	0.000	0.011	0.011	1	0.832	0.000	0.000	0.010	0.010	1	0.672	0.000	0.000	0.009	0.009	0.5
8	0.739	0.000	0.000	0.011	0.011	1	0.722	0.000	0.000	0.010	0.010	1	0.659	0.000	0.000	0.009	0.009	0.5
9	0.622	0.000	0.000	0.011	0.011	1	0.720	0.000	0.000	0.010	0.010	1	0.658	0.000	0.000	0.009	0.009	1
10	0.622	0.000	0.000	0.120	0.120	6	0.622	0.000	0.000	0.010	0.010	1	0.634	0.000	0.000	0.009	0.009	0.5
11	0.622	0.000	0.000	0.012	0.012	1	0.622	0.000	0.000	0.010	0.010	1	0.608	0.000	0.000	0.009	0.009	0.5
12	0.671	0.000	0.000	0.014	0.014	1	0.622	0.000	0.000	0.010	0.010	1	0.603	0.000	0.000	0.009	0.009	0.5
13	0.671	0.000	0.000	0.013	0.013	1	0.622	0.000	0.000	0.010	0.010	1	0.622	0.000	0.000	0.010	0.010	1
14	0.671	0.000	0.000	0.013	0.013	1	0.622	0.000	0.000	0.010	0.010	1	0.608	0.000	0.000	0.009	0.009	0.5
15	0.671	0.000	0.000	0.013	0.013	1	0.622	0.000	0.000	0.009	0.009	0.5	0.597	0.000	0.000	0.009	0.009	0.5
16	0.671	0.000	0.000	0.013	0.013	1	1.084	0.000	0.000	0.009	0.009	1	0.605	0.000	0.000	0.009	0.009	0.5
17	0.622	0.000	0.000	0.013	0.013	1	1.050	0.000	0.000	0.009	0.009	1	0.601	0.000	0.000	0.009	0.009	0.5
18	0.622	0.000	0.000	0.013	0.013	1	1.079	0.000	0.000	0.009	0.009	1	0.592	0.000	0.000	0.009	0.009	0.4
19	0.622	0.000	0.000	0.012	0.012	1	1.061	0.000	0.000	0.009	0.009	1	0.595	0.000	0.000	0.009	0.009	0.5
20	0.622	0.000	0.000	0.012	0.012	1	1.057	0.000	0.000	0.009	0.009	1	0.575	0.000	0.000	0.009	0.009	0.4
21	0.622	0.000	0.000	0.012	0.012	1	0.713	0.000	0.000	0.010	0.010	1	0.575	0.000	0.000	0.009	0.009	0.4
22	0.575	0.000	0.000	0.012	0.012	1	0.722	0.000	0.000	0.010	0.010	1	0.576	0.000	0.000	0.009	0.009	0.4
23	0.575	0.000	0.000	0.012	0.012	1	0.710	0.000	0.000	0.010	0.010	1	0.560	0.000	0.000	0.009	0.009	0.4
24	0.575	0.000	0.000	0.012	0.012	1	0.684	0.000	0.000	0.010	0.010	1	0.566	0.000	0.000	0.009	0.009	0.4
25	0.622	0.000	0.000	0.012	0.012	1	0.712	0.000	0.000	0.010	0.010	1	0.555	0.000	0.000	0.009	0.009	0.4
26	0.622	0.000	0.000	0.012	0.012	1	0.721	0.000	0.000	0.010	0.010	1	0.548	0.000	0.000	0.010	0.010	0.4
27	0.622	0.000	0.000	0.012	0.012	1	0.721	0.000	0.000	0.010	0.010	1	0.622	0.000	0.000	0.010	0.010	1
28	0.622	0.000	0.000	0.012	0.012	1	0.710	0.000	0.000	0.009	0.009	1	0.627	0.000	0.000	0.080	0.080	4
29	0.671	0.000	0.000	0.012	0.012	1	0.776	0.000	0.000	0.009	0.009	1	0.629	0.000	0.000	0.006	0.006	0.3
30	0.671	0.000	0.000	0.012	0.012	1	0.776	0.000	0.000	0.009	0.009	1	0.649	0.000	0.000	0.004	0.004	0.2
31	0.744	0.000	0.000	0.012	0.012	1							0.650	0.000	0.000	0.001	0.001	0.1
Ten Daily Mean																		
Ten Daily I	0.732	0.000	0.000	0.021	0.021	1	0.726	0.000	0.000	0.011	0.011	1	0.681	0.000	0.000	0.009	0.009	1
Ten Daily II	0.647	0.000	0.000	0.013	0.013	1	0.844	0.000	0.000	0.009	0.009	1	0.601	0.000	0.000	0.009	0.009	0.5
Ten Daily III	0.629	0.000	0.000	0.012	0.012	1	0.724	0.000	0.000	0.010	0.010	1	0.596	0.000	0.000	0.014	0.014	1
Monthly																		
Total						27						19						18

Annual Sediment Load (Metric Tonnes) : 302506

Annual Sediment Load for period : 1989-2018**Station Name : SATRAPUR (AGH4BF6)****Division : Wainganga Div., Nagpur****Local River : Khanan****Sub-Division : Upper Wainganga SD, Nagpur**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1989-1990	591878	98	591976	1041
1990-1991	1526849	0	1526849	2290
1991-1992	905410	0	905410	1406
1992-1993	1226837	0	1226837	1548
1993-1994	2204321	4494	2208815	2402
1994-1995	5472379	0	5472379	6823
1995-1996	1068021	0	1068021	1426
1996-1997	1282521	0	1282521	1184
1997-1998	3522508	0	3522508	3928
1998-1999	1376673	10763	1387436	2136
1999-2000	1479347	13069	1492415	4993
2000-2001	358859	489	359348	863
2001-2002	1325824	1810	1327635	783
2002-2003	701356	4740	706097	890
2003-2004	1928549	5932	1934481	2061
2004-2005	183669	724	184393	625
2005-2006	2977659	13098	2990757	2381
2006-2007	2217250	3873	2221124	1881
2007-2008	1994979	8220	2003199	1919
2008-2009	13929	1871	15799	396
2009-2010	2081219	5814	2087034	1489
2010-2011	1525784	2664	1528448	1771
2011-2012	1389353	21033	1410386	1763
2012-2013	5918102	1106	5919208	2988
2013-2014	10209722	19262	10228984	6740
2014-2015	644723	991	645714	1127
2015-2016	704716	672	705388	1401
2016-2017	1076811	276	1077088	1412
2017-2018	302121	386	302506	846

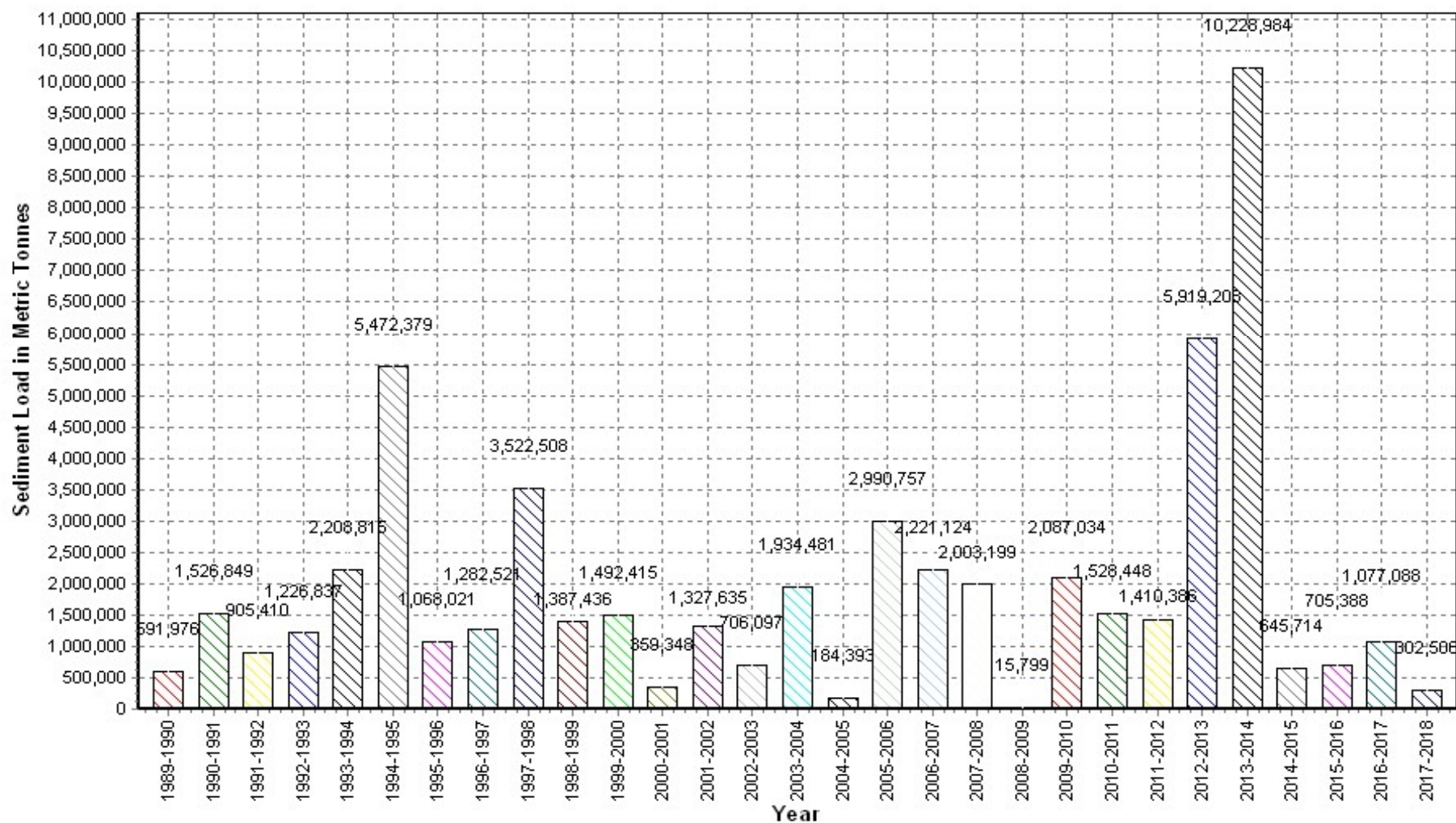
Annual Sediment Load for the period: 1989-2018

Station Name : SATRAPUR (AGH4BF6)

Local River : Khanan

Division : Wainganga Div., Nagpur

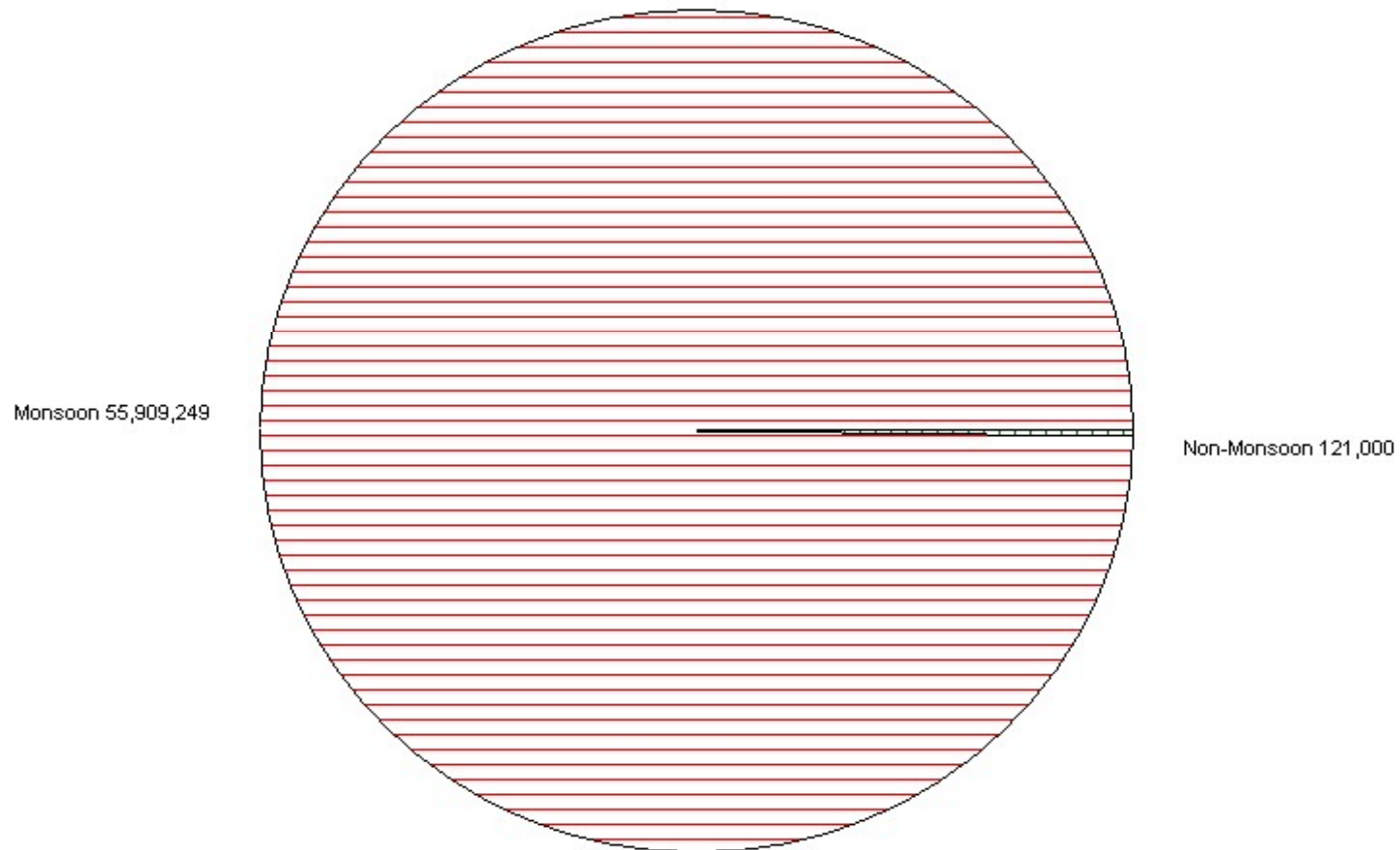
Sub-Division : Upper Wainganga SD, Nagpur



Seasonal Sediment Load for the period : 1989-2017

Station Name : SATRAPUR (AGH4BF6)
Local River : Khanan

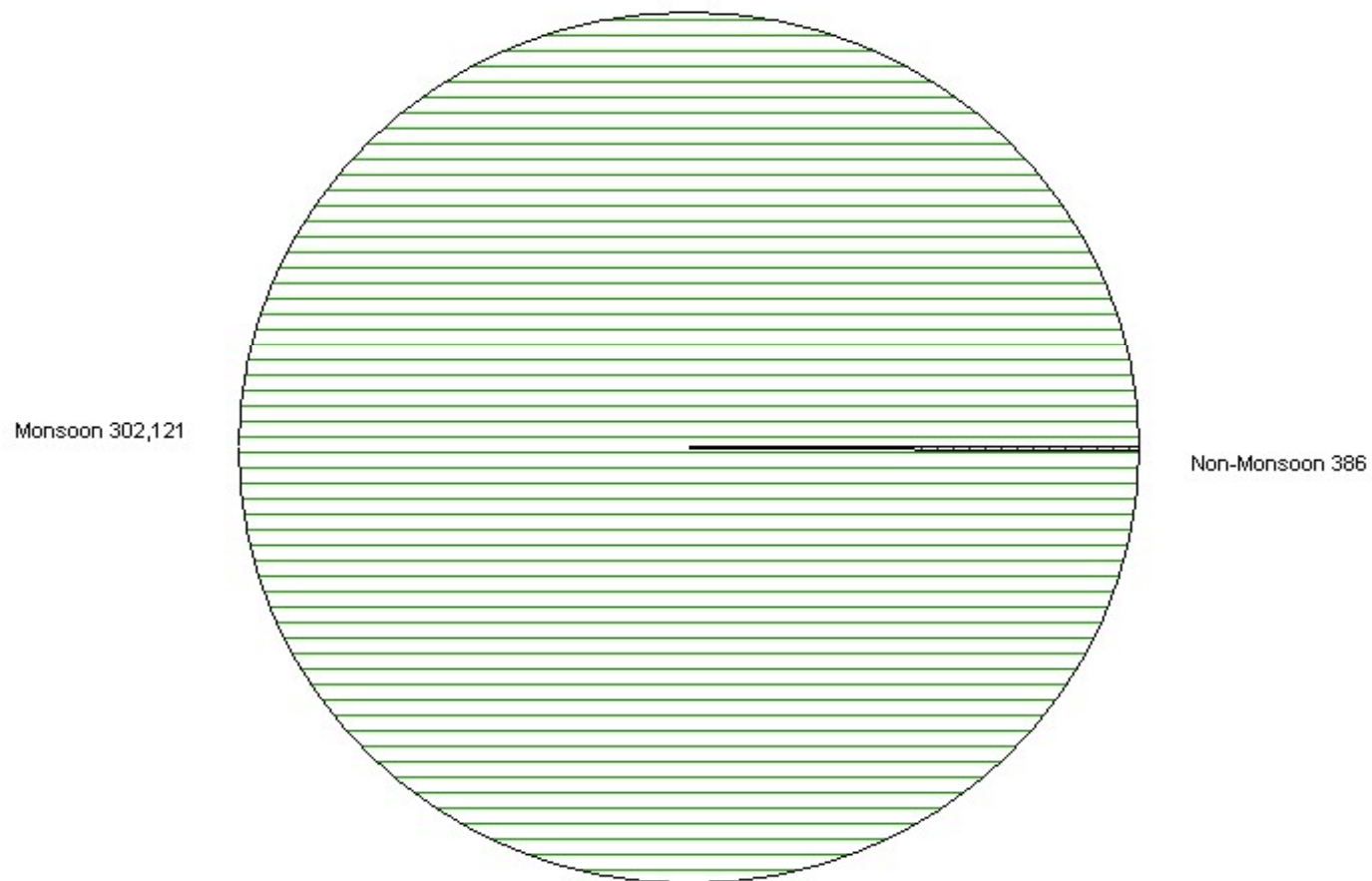
Division : Wainganga Div., Nagpur
Sub-Division : Upper Wainganga SD, Nagpur



Station Name : SATRAPUR (AGH4BF6)
Local River : Khanan

Seasonal Sediment Load for the Year: 2017-2018

Division : Wainganga Div., Nagpur
Sub-Division : Upper Wainganga SD, Nagpur



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : KANHAN AT STARAPUR CODE : AGH4BF6
 MEASURING : WDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 20-05-17)

Discharge Observed :	1.114	cumec	Water edge RB :	230.00	m	LB :	146.00	m
Area of section :	30.79	sq.m	MeanVelocity :				0.0362	m/sec
Wetted perimeter :	84.024	m	Hydraulic Mean Depth :				0.3664	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	120		264.775		2.62		Av.mean dia "m" = 1.88	
2	180		263.565		2.47			
3	240		263.765		1.03		Silt factor "f" = 1.76 $\sqrt{m}$ = 2.41	
4	300		264.780		1.20			
5	360		266.505		2.07			

Note : i) Discharge observation was at station gauge line.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

Monsoon Survey (Date 07-10-17)

Discharge Observed :	18.433	cumec	Water edge RB :	250.00	m	LB :	137.00	m
Area of section :	5.62	sq.m	MeanVelocity :				0.3256	m/sec
Wetted perimeter :	113.023	m	Hydraulic Mean Depth :				0.5010	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	120		264.805		2.50		Av.mean dia "m" = 1.73	
2	180		263.530		2.34			
3	240		263.770		0.74		Silt factor "f" = 1.76 $\sqrt{m}$ = 2.31	
4	300		264.255		1.14			
5	360		266.530		2.42			

Note : i) Discharge observation was at station gauge line.
 ii) River bed : flowing water.
 iii) Water flows in single channel.

Postmonsoon Survey (Date 18-01-18)

Discharge Observed :	1.484	cumec	Water edge RB :	225.00	m	LB :	145.00	m
Area of section :	28.2	sq.m	MeanVelocity :				0.0526	m/sec
Wetted perimeter :	80.028	m	Hydraulic Mean Depth :				0.3528	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	120		246.730		1.93		Av.mean dia "m" = 1.75	
2	180		263.310		2.33			
3	240		263.810		2.07		Silt factor "f" = 1.76 $\sqrt{m}$ = 2.32	
4	300		264.210		0.49			
5	360		266.510		1.92			

Note : i) Discharge observation was at Temporary Section.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: RAMAKONA	Code	: AGH4BQ3
State	: Madhya Pradesh	District	Chhindwara
Basin	: Godavari	Independent River	: Godavari
Tributary	: Pranhita	Sub Tributary	: Wainganga
Sub-Sub Tributary	: Khanan	Local River	: Khanan
Division	: Wainganga Div., Nagpur	Sub-Division	: Upper Wainganga SD, Nagpur
Drainage Area	: 2500 Sq. Km.	Bank	: Left
Latitude	: 21°43'12"	Longitude	: 78°49'27"
Zero of Gauge (m)	: 338.000 (m.s.l)	01/01/1985	- 31/05/1996
	: 336.380 (m.s.l)	01/06/1996	- 31/05/2002
	: 335.950 (m.s.l)	01/06/2002	
Opening Date		Closing Date	
Gauge	: 13/02/1986		
Discharge	: 21/11/1986		
Sediment	: 12/11/2014		
Water Quality	: 01/06/2014		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : RAMAKONA (AGH4BQ3)

Local River : Khanan

Division : Wainganga Div., Nagpur

Sub-Division : Upper Wainganga SD, Nagpur

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	13.39	0.002	0.004	0.084	0.090	104	5.117	0.003	0.002	0.025	0.030	13
2	0.000	0.000	0.000	0.000	0.000	0	6.694	0.000	0.000	0.060	0.060	35	4.645	0.002	0.002	0.025	0.029	12
3	0.000	0.000	0.000	0.000	0.000	0	9.098	0.003	0.005	0.072	0.080	63	3.741	0.004	0.002	0.020	0.026	8
4	0.000	0.000	0.000	0.000	0.000	0	4.673	0.002	0.004	0.034	0.040	16	3.689	0.003	0.001	0.022	0.026	8
5	0.000	0.000	0.000	0.000	0.000	0	10.38	0.005	0.006	0.069	0.080	72	3.591	0.004	0.001	0.021	0.026	8
6	0.000	0.000	0.000	0.000	0.000	0	4.879	0.004	0.005	0.042	0.050	21	2.937	0.000	0.000	0.022	0.022	6
7	0.000	0.000	0.000	0.000	0.000	0	3.249	0.003	0.004	0.033	0.040	11	2.721	0.001	0.001	0.020	0.022	5
8	0.000	0.000	0.000	0.000	0.000	0	2.949	0.002	0.004	0.025	0.030	8	2.721	0.002	0.001	0.018	0.021	5
9	0.000	0.000	0.000	0.000	0.000	0	3.644	0.000	0.000	0.040	0.040	13	2.515	0.002	0.001	0.018	0.021	5
10	0.000	0.000	0.000	0.000	0.000	0	2.635	0.000	0.000	0.025	0.025	6	2.760	0.001	0.001	0.019	0.021	5
11	0.000	0.000	0.000	0.000	0.000	0	2.602	0.002	0.004	0.017	0.022	5	3.999	0.001	0.001	0.023	0.025	9
12	0.000	0.000	0.000	0.000	0.000	0	2.131	0.000	0.000	0.020	0.020	4	3.219	0.001	0.002	0.021	0.024	7
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.721	0.000	0.000	0.022	0.022	5
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.937	0.002	0.002	0.019	0.023	6
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.131	0.000	0.000	0.022	0.022	4
16	0.000	0.000	0.000	0.000	0.000	0	5.995	0.000	0.000	0.050	0.050	26	1.772	0.002	0.002	0.016	0.020	3
17	0.000	0.000	0.000	0.000	0.000	0	6.812	0.003	0.003	0.054	0.060	35	1.752	0.001	0.002	0.017	0.020	3
18	0.000	0.000	0.000	0.000	0.000	0	6.105	0.002	0.004	0.049	0.055	29	1.724	0.001	0.002	0.017	0.020	3
19	0.000	0.000	0.000	0.000	0.000	0	10.31	0.002	0.003	0.059	0.065	58	1.696	0.001	0.002	0.017	0.020	3
20	0.000	0.000	0.000	0.000	0.000	0	74.67	0.003	0.004	0.074	0.080	516	1.785	0.000	0.000	0.020	0.020	3
21	0.000	0.000	0.000	0.000	0.000	0	28.07	0.003	0.004	0.064	0.070	170	1.785	0.001	0.001	0.018	0.020	3
22	0.000	0.000	0.000	0.000	0.000	0	27.22	0.003	0.004	0.056	0.062	146	6.582	0.001	0.001	0.048	0.050	28
23	0.000	0.000	0.000	0.000	0.000	0	19.64	0.000	0.000	0.050	0.050	85	4.558	0.001	0.002	0.048	0.051	20
24	0.000	0.000	0.000	0.000	0.000	0	8.645	0.003	0.004	0.024	0.030	22	4.135	0.001	0.002	0.048	0.051	18
25	0.000	0.000	0.000	0.000	0.000	0	21.53	0.002	0.003	0.050	0.055	102	2.515	0.000	0.000	0.022	0.022	5
26	0.000	0.000	0.000	0.000	0.000	0	10.02	0.002	0.002	0.036	0.040	35	2.319	0.002	0.002	0.018	0.022	4
27	0.000	0.000	0.000	0.000	0.000	0	6.381	0.002	0.002	0.027	0.030	17	8.232	0.000	0.000	0.035	0.035	25
28	19.60	0.000	0.000	0.100	0.100	169	6.462	0.002	0.002	0.029	0.032	18	7.154	0.003	0.004	0.025	0.032	20
29	9.664	0.000	0.000	0.060	0.060	50	7.045	0.001	0.002	0.033	0.036	22	9.511	0.002	0.003	0.035	0.040	33
30	20.33	0.000	0.000	0.120	0.120	211	6.694	0.000	0.000	0.034	0.034	20	53.06	0.002	0.002	0.069	0.073	334
31							6.238	0.001	0.001	0.029	0.031	17	44.79	0.002	0.002	0.064	0.068	262
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	6.158	0.002	0.003	0.048	0.054	35	3.444	0.002	0.001	0.021	0.024	7
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	10.86	0.001	0.002	0.032	0.035	67	2.374	0.001	0.001	0.019	0.022	5
Ten Daily III	4.960	0.000	0.000	0.028	0.028	43	13.45	0.002	0.002	0.039	0.043	59	13.15	0.001	0.002	0.039	0.042	68
Monthly																		
Total						430						1673						873

Annual Sediment Load (Metric Tonnes) : 19068

Page No 134

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : RAMAKONA (AGH4BQ3)

Local River : Khanan

Division : Wainganga Div., Nagpur

Sub-Division : Upper Wainganga SD, Nagpur

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	14.29	0.003	0.003	0.034	0.040	49	12.07	0.000	0.000	0.030	0.030	31	3.169	0.002	0.002	0.011	0.015	4
2	9.962	0.000	0.000	0.030	0.030	26	11.47	0.000	0.000	0.028	0.028	28	3.213	0.001	0.001	0.013	0.015	4
3	7.829	0.000	0.000	0.030	0.030	20	9.445	0.002	0.003	0.021	0.026	21	3.119	0.002	0.002	0.011	0.015	4
4	5.531	0.002	0.003	0.020	0.025	12	9.118	0.003	0.003	0.019	0.025	20	2.629	0.000	0.000	0.014	0.014	3
5	5.438	0.002	0.003	0.019	0.024	11	8.732	0.003	0.003	0.019	0.025	19	2.323	0.000	0.000	0.014	0.014	3
6	4.879	0.001	0.002	0.022	0.025	11	8.707	0.003	0.003	0.016	0.022	17	2.411	0.001	0.002	0.011	0.014	3
7	6.273	0.002	0.002	0.026	0.030	16	8.301	0.002	0.003	0.017	0.022	16	2.411	0.001	0.001	0.012	0.014	3
8	22.49	0.002	0.002	0.046	0.050	97	12.07	0.000	0.000	0.090	0.090	94	2.319	0.001	0.001	0.012	0.014	3
9	65.61	0.002	0.002	0.069	0.073	413	8.636	0.003	0.003	0.082	0.088	66	1.506	0.001	0.001	0.012	0.014	2
10	31.09	0.000	0.000	0.035	0.035	94	33.07	0.002	0.003	0.076	0.081	232	1.763	0.001	0.001	0.011	0.013	2
11	31.09	0.003	0.003	0.029	0.035	94	25.37	0.002	0.003	0.074	0.079	172	1.713	0.004	0.005	0.004	0.013	2
12	31.09	0.003	0.003	0.029	0.035	94	13.97	0.002	0.002	0.066	0.070	85	1.269	0.000	0.000	0.012	0.012	1
13	94.23	0.003	0.004	0.104	0.111	903	16.00	0.002	0.002	0.069	0.073	101	1.653	0.004	0.005	0.005	0.014	2
14	107.6	0.004	0.004	0.123	0.131	1220	25.42	0.002	0.003	0.075	0.080	176	1.050	0.002	0.002	0.003	0.007	1
15	83.60	0.003	0.003	0.085	0.091	657	21.29	0.000	0.000	0.070	0.070	129	1.089	0.002	0.003	0.003	0.008	1
16	90.03	0.003	0.003	0.087	0.093	727	14.63	0.002	0.002	0.062	0.066	84	1.075	0.001	0.001	0.006	0.008	1
17	38.27	0.000	0.000	0.060	0.060	198	8.985	0.002	0.002	0.068	0.072	56	0.967	0.001	0.001	0.006	0.008	1
18	108.8	0.005	0.008	0.168	0.181	1704	8.481	0.002	0.002	0.069	0.073	54	0.990	0.001	0.001	0.007	0.009	1
19	230.8	0.003	0.003	0.185	0.191	3801	8.074	0.000	0.000	0.070	0.070	49	1.050	0.000	0.000	0.009	0.009	1
20	210.3	0.003	0.004	0.100	0.107	1935	7.523	0.002	0.003	0.065	0.070	46	1.031	0.004	0.005	0.000	0.009	1
21	104.8	0.002	0.002	0.067	0.071	646	6.919	0.002	0.002	0.066	0.070	42	1.097	0.000	0.000	0.009	0.009	1
22	90.68	0.002	0.002	0.057	0.061	475	6.586	0.000	0.000	0.060	0.060	34	1.053	0.000	0.000	0.009	0.009	1
23	48.95	0.003	0.003	0.044	0.050	211	5.230	0.002	0.002	0.053	0.057	26	0.642	0.000	0.000	0.010	0.010	1
24	43.86	0.000	0.000	0.049	0.049	186	4.979	0.002	0.002	0.048	0.052	22	0.686	0.000	0.000	0.010	0.010	1
25	33.07	0.002	0.002	0.061	0.065	185	4.643	0.001	0.001	0.039	0.041	16	0.701	0.000	0.000	0.010	0.010	1
26	33.25	0.002	0.002	0.065	0.069	199	4.289	0.001	0.001	0.026	0.028	10	0.685	0.000	0.000	0.010	0.010	1
27	22.11	0.002	0.002	0.065	0.069	132	4.079	0.001	0.001	0.027	0.029	10	0.692	0.000	0.000	0.010	0.010	1
28	21.29	0.002	0.002	0.066	0.070	129	3.924	0.001	0.001	0.020	0.022	7	0.425	0.000	0.000	0.010	0.010	0.3
29	18.41	0.003	0.003	0.044	0.050	80	3.649	0.000	0.000	0.020	0.020	6	0.418	0.000	0.000	0.010	0.010	0.3
30	13.97	0.000	0.000	0.030	0.030	36	3.371	0.001	0.001	0.019	0.021	6	0.377	0.000	0.000	0.009	0.009	0.3
31							3.227	0.001	0.001	0.018	0.020	6						
Ten Daily Mean																		
Ten Daily I	17.34	0.001	0.002	0.033	0.036	75	12.16	0.002	0.002	0.040	0.044	54	2.487	0.001	0.001	0.012	0.014	3
Ten Daily II	102.6	0.003	0.004	0.097	0.103	1133	14.97	0.002	0.002	0.069	0.072	95	1.189	0.002	0.002	0.006	0.010	1
Ten Daily III	43.04	0.002	0.002	0.055	0.058	228	4.627	0.001	0.001	0.036	0.038	17	0.678	0.000	0.000	0.010	0.010	1
Monthly																		
Total						14360						1679						47

Annual Sediment Load (Metric Tonnes) : 19068

Page No 135

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : RAMAKONA (AGH4BQ3)

Local River : Khanan

Division : Wainganga Div., Nagpur

Sub-Division : Upper Wainganga SD, Nagpur

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	0.529	0.000	0.000	0.010	0.010	0.5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.349	0.000	0.000	0.009	0.009	0.3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.482	0.000	0.000	0.010	0.010	0.4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.361	0.000	0.000	0.010	0.010	0.3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.363	0.000	0.000	0.010	0.010	0.3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.437	0.000	0.000	0.010	0.010	0.4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.511	0.000	0.000	0.010	0.010	0.4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.513	0.000	0.000	0.010	0.010	0.4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.472	0.000	0.000	0.010	0.010	0.4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.354	0.000	0.000	0.010	0.010	0.3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.354	0.000	0.000	0.010	0.010	0.3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.369	0.000	0.000	0.010	0.010	0.3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.330	0.000	0.000	0.010	0.010	0.3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.258	0.000	0.000	0.009	0.009	0.2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.257	0.000	0.000	0.009	0.009	0.2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.247	0.000	0.000	0.009	0.009	0.2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.212	0.000	0.000	0.009	0.009	0.2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.240	0.000	0.000	0.009	0.009	0.2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.149	0.000	0.000	0.009	0.009	0.1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.146	0.000	0.000	0.009	0.009	0.1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.149	0.000	0.000	0.009	0.009	0.1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.145	0.000	0.000	0.009	0.009	0.1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.154	0.000	0.000	0.009	0.009	0.1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.154	0.000	0.000	0.009	0.009	0.1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.154	0.000	0.000	0.009	0.009	0.1	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	0.437	0.000	0.000	0.010	0.010	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	0.256	0.000	0.000	0.009	0.009	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	0.069	0.000	0.000	0.004	0.004	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						6						0						0

Annual Sediment Load (Metric Tonnes) : 19068

Page No 136

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : RAMAKONA (AGH4BQ3)

Local River : Khanan

Division : Wainganga Div., Nagpur

Sub-Division : Upper Wainganga SD, Nagpur

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) : 19068

Page No 137

Annual Sediment Load for period : 2016-2018

Station Name : RAMAKONA (AGH4BQ3)

Division : Wainganga Div., Nagpur

Local River : Khanan

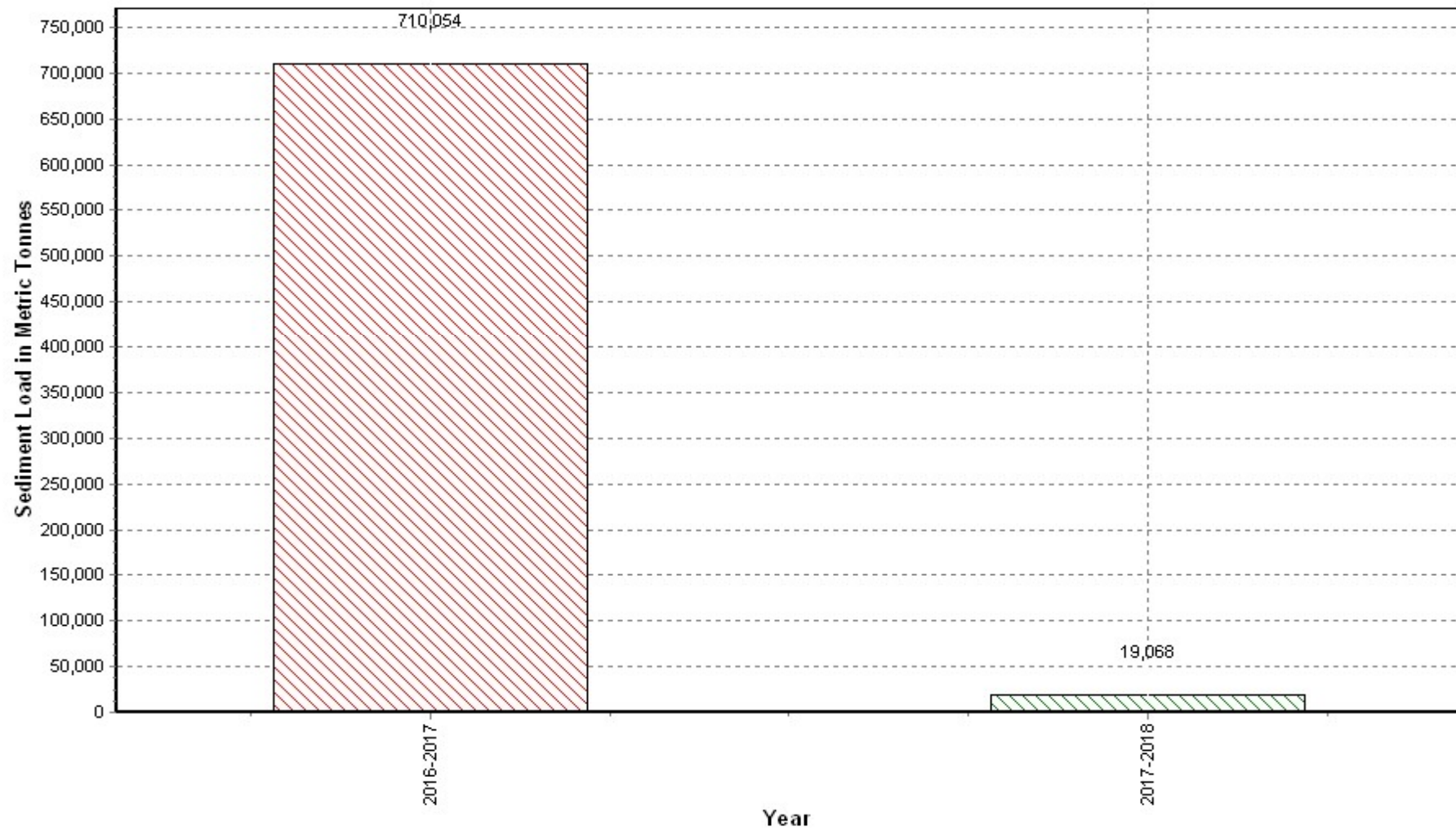
Sub-Division : Upper Wainganga SD, Nagpur

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2016-2017	710048	6	710054	618
2017-2018	19062	6	19068	222

Annual Sediment Load for the period: 2016-2018

Station Name : RAMAKONA (AGH4BQ3)
Local River : Khanan

Division : Wainganga Div., Nagpur
Sub-Division : Upper Wainganga SD, Nagpur



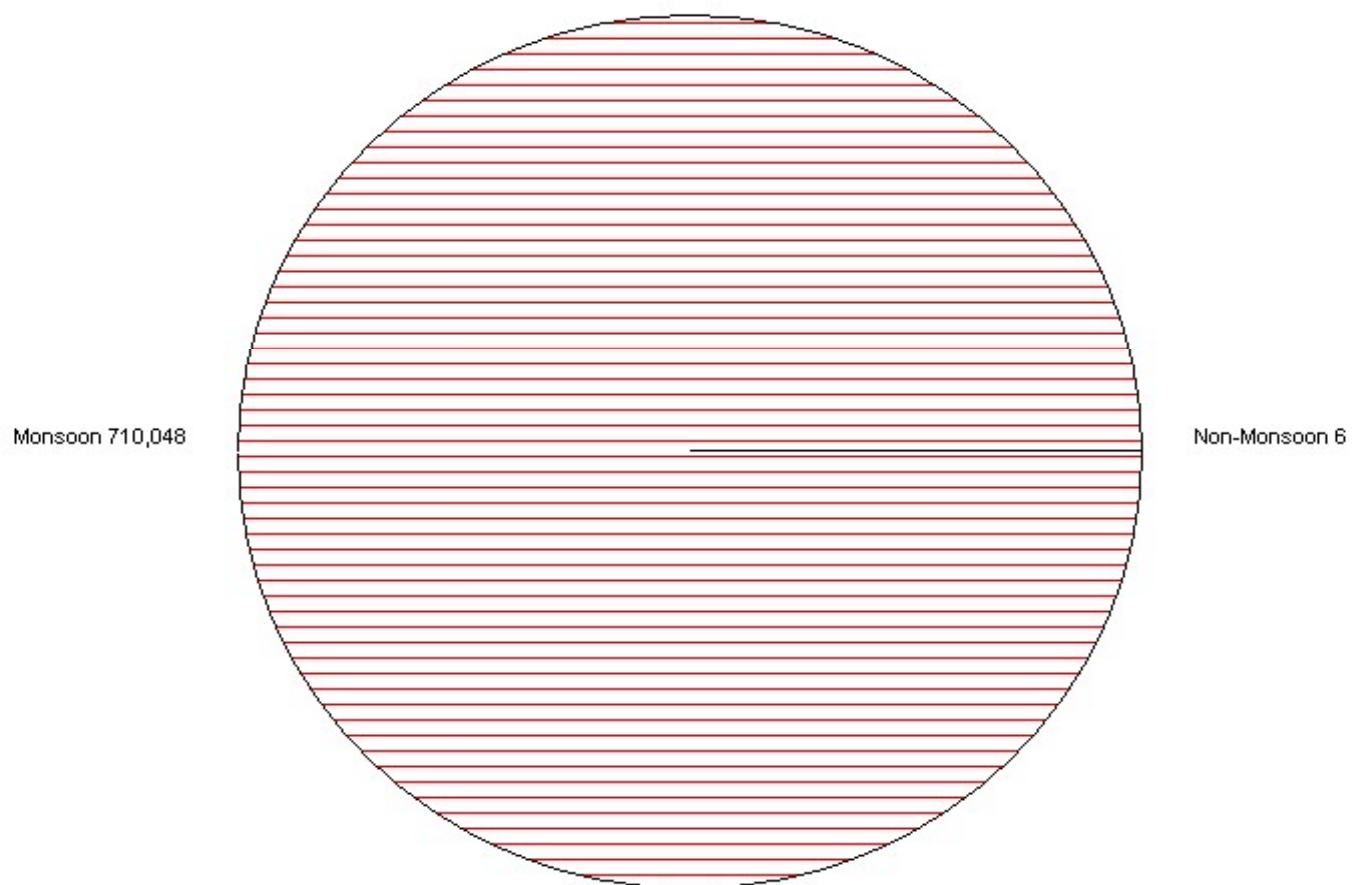
Seasonal Sediment Load for the period : 2016-2017

Station Name : RAMAKONA (AGH4BQ3)

Local River : Khanan

Division : Wainganga Div., Nagpur

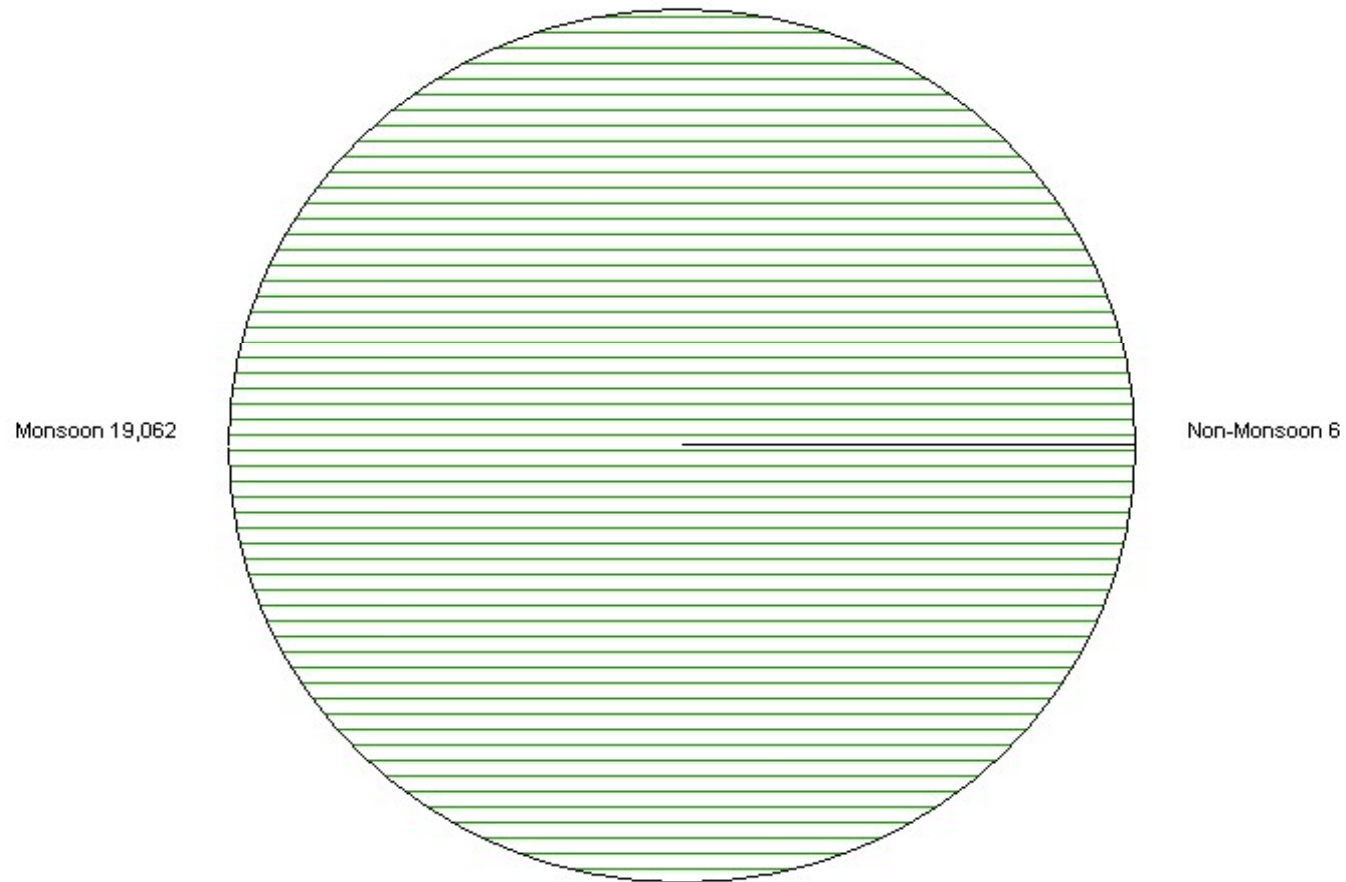
Sub-Division : Upper Wainganga SD, Nagpur



Seasonal Sediment Load for the Year: 2017-2018

Station Name : RAMAKONA (AGH4BQ3)
Local River : Khanan

Division : Wainganga Div., Nagpur
Sub-Division : Upper Wainganga SD, Nagpur



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : KANHAN AT RAMAKONA CODE : AGH4BQ3
 MEASURING : WDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 27-05-17)

Discharge Observed	: 0.0 (Dry Bed)	cumec	Water edge RB :	m	LB :	m
Area of section	:	sq.m	Mean Velocity	:		m/sec
Wetted perimeter	:	m	Hydraulic Mean Depth	:		m
Sl. No	R.D. of sampling point in meters		R.L. of bed in meters	Mean diameter in mm	Remarks	
1	60		338.165	1.00	Av.mean dia "m" =	1.87
2	80		337.505	1.03		
3	100		338.525	2.24	Silt factor "f" = 1.76 $\sqrt{m}$ =	2.41
4	120		339.235	2.66		
5	140		339.345	2.08		
6	160		339.225	2.21		

Note : i) Discharge observation was at station gauge line.
 ii) River bed: Dry Bed.

Monsoon Survey (Date 05-10-17)

Discharge Observed :	8.732	cumec	Water edge RB :	99.00	m	LB :	62.80	m
Area of section :	28.22	sq.m	MeanVelocity	:			0.3094	m/sec
Wetted perimeter :	37.439	m	Hydraulic Mean Depth	:			0.7538	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	60		337.930		0.71			
2	80		336.670		1.35		Av.mean dia "m" = 1.34	
3	100		337.290		0.91			
4	120		337.800		1.30		Silt factor	
5	140		337.920		1.72		"f" =1.76 $\sqrt{m}$	
6	160		337.930		2.00		= 2.04	

Note : i) Discharge observation was at station gauge line.
 ii) River bed : flowing water.
 iii) Water flows in single channel.

Postmonsoon Survey (Date 17-01-18)

Discharge Observed	: 0.0 (Dry Bed)	cumec	Water edge RB :	m	LB :	m
Area of section	:	sq.m	Mean Velocity	:		m/sec
Wetted perimeter	:	m	Hydraulic Mean Depth	:		m
Sl. No	R.D. of sampling point in meters		R.L. of bed in meters	Mean diameter in mm	Remarks	
1	60		338.840	2.48	Av.mean dia "m" =	1.61
2	80		336.790	1.38		
3	100		337.930	1.23	Silt factor "f" = 1.76 $\sqrt{m}$ =	2.20
4	120		338.750	1.31		
5	140		338.970	1.13		
6	160		338.930	2.21		

Note : i) Discharge observation was at station gauge line.
 ii) River bed: Dry Bed.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: RAJEGAON	Code	: AGH4MC3
State	: Madhya Pradesh	District	Balaghat
Basin	: Godavari	Independent River	: Godavari
Tributary	: Pranhita	Sub Tributary	: Wainganga
Sub-Sub Tributary	: Bagh	Local River	: Bagh
Division	: Wainganga Div., Nagpur	Sub-Division	: Upper Wainganga SD, Nagpur
Drainage Area	: 5380 Sq. Km.	Bank	: Right
Latitude	: 21°37'32"	Longitude	: 80°15'14"
Zero of Gauge (m)	: 272.000 (m.s.l)	01/12/1985	
	Opening Date	Closing Date	
Gauge	: 06/12/1985		
Discharge	: 26/07/1986		
Sediment	: 01/09/2014		
Water Quality	: 01/02/2012		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : RAJEGAON (AGH4MC3)

Local River : Bagh

Division : Wainganga Div., Nagpur

Sub-Division : Upper Wainganga SD, Nagpur

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	1.166	0.000	0.000	0.010	0.010	1	23.52	0.012	0.039	0.232	0.283	574	46.56	0.000	0.007	0.265	0.272	1094
2	0.941	0.000	0.000	0.009	0.009	1	109.2	0.000	0.000	0.550	0.550	5187	31.24	0.000	0.000	0.250	0.250	675
3	3.497	0.000	0.000	0.030	0.030	9	77.58	0.015	0.060	0.205	0.280	1877	34.94	0.000	0.006	0.307	0.312	943
4	5.299	0.000	0.000	0.050	0.050	23	101.5	0.019	0.072	0.246	0.337	2958	23.53	0.000	0.000	0.380	0.380	772
5	2.972	0.000	0.000	0.020	0.020	5	50.91	0.013	0.072	0.175	0.260	1144	21.95	0.000	0.000	0.210	0.210	398
6	3.041	0.000	0.000	0.030	0.030	8	29.09	0.000	0.024	0.235	0.258	649	26.85	0.000	0.000	0.240	0.240	557
7	1.894	0.000	0.000	0.008	0.008	1	25.92	0.000	0.024	0.265	0.289	648	20.99	0.000	0.000	0.200	0.200	363
8	1.240	0.000	0.000	0.002	0.002	0.2	17.08	0.000	0.000	0.190	0.190	280	421.4	0.026	0.100	0.680	0.805	29297
9	1.141	0.000	0.000	0.001	0.001	0.1	9.820	0.000	0.000	0.090	0.090	76	374.7	0.019	0.095	0.603	0.718	23236
10	1.216	0.000	0.000	0.002	0.002	0.2	10.02	0.000	0.000	0.140	0.140	121	145.1	0.000	0.000	0.524	0.524	6568
11	1.619	0.000	0.000	0.006	0.006	1	95.73	0.012	0.064	0.398	0.474	3921	103.7	0.008	0.075	0.463	0.546	4890
12	1.239	0.000	0.000	0.002	0.002	0.2	59.58	0.005	0.055	0.365	0.425	2186	71.71	0.006	0.047	0.337	0.390	2416
13	16.17	0.000	0.000	0.120	0.120	168	50.72	0.000	0.058	0.352	0.410	1797	58.34	0.000	0.000	0.310	0.310	1563
14	8.302	0.000	0.000	0.080	0.080	57	84.08	0.007	0.063	0.374	0.443	3221	40.35	0.000	0.004	0.276	0.280	976
15	11.57	0.000	0.000	0.100	0.100	100	35.28	0.000	0.040	0.349	0.389	1186	118.2	0.000	0.000	0.350	0.350	3574
16	7.562	0.000	0.000	0.070	0.070	46	98.16	0.000	0.000	0.500	0.500	4241	48.35	0.000	0.039	0.444	0.482	2015
17	1.595	0.000	0.000	0.010	0.010	1	93.81	0.007	0.062	0.416	0.485	3928	34.97	0.000	0.045	0.355	0.400	1209
18	6.177	0.000	0.000	0.060	0.060	32	361.9	0.056	0.094	0.476	0.626	19578	259.2	0.033	0.084	0.478	0.595	13320
19	4.218	0.000	0.000	0.040	0.040	15	331.1	0.036	0.092	0.455	0.584	16697	222.8	0.006	0.085	0.463	0.554	10668
20	2.173	0.000	0.000	0.020	0.020	4	438.0	0.038	0.097	0.473	0.608	23011	126.3	0.000	0.000	0.420	0.420	4583
21	1.135	0.000	0.000	0.010	0.010	1	174.2	0.018	0.081	0.354	0.453	6809	87.24	0.009	0.053	0.258	0.320	2412
22	2.022	0.000	0.000	0.020	0.020	3	161.6	0.010	0.073	0.341	0.424	5921	95.51	0.010	0.054	0.287	0.350	2888
23	1.804	0.000	0.000	0.010	0.010	2	140.5	0.000	0.000	0.350	0.350	4249	49.43	0.000	0.015	0.185	0.200	854
24	6.662	0.000	0.000	0.050	0.050	29	76.25	0.006	0.083	0.385	0.473	3115	40.28	0.000	0.000	0.170	0.170	592
25	2.372	0.000	0.000	0.030	0.030	6	60.80	0.005	0.076	0.388	0.468	2458	74.18	0.000	0.000	0.230	0.230	1474
26	1.797	0.000	0.000	0.020	0.020	3	48.73	0.000	0.049	0.388	0.437	1839	187.7	0.005	0.017	0.396	0.418	6783
27	3.121	0.000	0.000	0.080	0.080	22	48.01	0.000	0.051	0.405	0.456	1890	95.81	0.000	0.000	0.310	0.310	2566
28	20.13	0.000	0.000	0.150	0.150	261	67.77	0.000	0.000	0.520	0.520	3045	336.9	0.007	0.073	0.419	0.499	14520
29	69.45	0.000	0.000	0.340	0.340	2040	72.96	0.008	0.041	0.502	0.550	3467	446.4	0.024	0.099	0.424	0.548	21121
30	55.77	0.000	0.000	0.320	0.320	1542	53.29	0.000	0.000	0.460	0.460	2118	335.6	0.014	0.095	0.413	0.522	15128
31							47.38	0.000	0.011	0.262	0.273	1116	218.2	0.009	0.095	0.316	0.420	7919
Ten Daily Mean																		
Ten Daily I	2.241	0.000	0.000	0.016	0.016	5	45.46	0.006	0.029	0.233	0.268	1352	114.7	0.004	0.021	0.366	0.391	6390
Ten Daily II	6.063	0.000	0.000	0.051	0.051	42	164.8	0.016	0.062	0.416	0.494	7976	108.4	0.005	0.038	0.389	0.433	4521
Ten Daily III	16.43	0.000	0.000	0.103	0.103	391	86.50	0.004	0.042	0.396	0.442	3275	178.8	0.007	0.045	0.310	0.362	6932
Monthly																		
Total						4381						129309						185374

Annual Sediment Load (Metric Tonnes) : 389292

Page No 144

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : RAJEGAON (AGH4MC3)

Local River : Bagh

Division : Wainganga Div., Nagpur

Sub-Division : Upper Wainganga SD, Nagpur

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	220.2	0.009	0.091	0.414	0.514	9784	32.01	0.000	0.000	0.070	0.070	194	12.54	0.000	0.000	0.018	0.018	20
2	110.4	0.000	0.000	0.340	0.340	3244	45.47	0.000	0.000	0.080	0.080	314	10.85	0.000	0.000	0.018	0.018	17
3	93.50	0.000	0.000	0.300	0.300	2424	56.83	0.000	0.009	0.090	0.099	487	11.43	0.000	0.000	0.019	0.019	19
4	48.46	0.000	0.008	0.262	0.270	1131	37.30	0.000	0.000	0.029	0.029	95	9.237	0.000	0.000	0.018	0.018	14
5	51.26	0.000	0.010	0.270	0.280	1240	30.86	0.000	0.000	0.029	0.029	78	8.677	0.000	0.000	0.018	0.018	13
6	49.24	0.000	0.010	0.251	0.260	1106	25.45	0.000	0.000	0.023	0.023	51	8.569	0.000	0.000	0.018	0.018	13
7	86.86	0.000	0.013	0.307	0.320	2402	22.95	0.000	0.000	0.019	0.019	37	7.733	0.000	0.000	0.015	0.015	10
8	46.42	0.000	0.009	0.251	0.260	1043	19.00	0.000	0.000	0.015	0.015	25	7.777	0.000	0.000	0.015	0.015	10
9	43.34	0.000	0.000	0.240	0.240	899	24.53	0.000	0.000	0.021	0.021	44	7.932	0.000	0.000	0.015	0.015	10
10	59.21	0.000	0.000	0.280	0.280	1432	57.25	0.000	0.008	0.024	0.033	161	6.776	0.000	0.000	0.014	0.014	8
11	40.04	0.000	0.000	0.220	0.220	761	53.20	0.000	0.007	0.044	0.051	236	7.446	0.000	0.000	0.014	0.014	9
12	52.61	0.000	0.010	0.240	0.250	1136	47.59	0.000	0.000	0.040	0.040	164	6.877	0.000	0.000	0.013	0.013	8
13	69.04	0.000	0.012	0.268	0.280	1670	47.65	0.000	0.000	0.041	0.041	169	7.444	0.000	0.000	0.014	0.014	9
14	65.24	0.000	0.012	0.258	0.270	1522	57.11	0.000	0.006	0.041	0.047	234	7.373	0.000	0.000	0.014	0.014	9
15	52.46	0.000	0.007	0.223	0.230	1042	52.47	0.000	0.000	0.040	0.040	181	6.624	0.000	0.000	0.013	0.013	7
16	40.40	0.000	0.000	0.200	0.200	698	43.27	0.000	0.000	0.039	0.039	144	6.598	0.000	0.000	0.013	0.013	7
17	28.51	0.000	0.000	0.170	0.170	419	38.13	0.000	0.000	0.039	0.039	128	6.245	0.000	0.000	0.013	0.013	7
18	65.88	0.000	0.009	0.347	0.356	2029	36.19	0.000	0.000	0.038	0.038	119	6.169	0.000	0.000	0.013	0.013	7
19	71.99	0.000	0.012	0.396	0.408	2535	28.51	0.000	0.000	0.037	0.037	91	6.181	0.000	0.000	0.013	0.013	7
20	99.67	0.004	0.010	0.436	0.450	3875	33.07	0.000	0.000	0.038	0.038	109	4.805	0.000	0.000	0.011	0.011	5
21	334.1	0.005	0.012	0.503	0.520	15009	30.42	0.000	0.000	0.037	0.037	97	4.939	0.000	0.000	0.011	0.011	5
22	210.9	0.002	0.011	0.286	0.300	5464	28.51	0.000	0.000	0.034	0.034	84	4.796	0.000	0.000	0.011	0.011	5
23	117.7	0.001	0.011	0.208	0.220	2236	31.36	0.000	0.000	0.035	0.035	96	4.463	0.000	0.000	0.011	0.011	4
24	81.38	0.000	0.000	0.160	0.160	1125	29.45	0.000	0.000	0.031	0.031	78	4.960	0.000	0.000	0.011	0.011	5
25	57.91	0.000	0.009	0.111	0.120	600	27.29	0.000	0.000	0.030	0.030	71	4.458	0.000	0.000	0.011	0.011	4
26	42.28	0.000	0.000	0.100	0.100	365	25.73	0.000	0.000	0.024	0.024	52	5.529	0.000	0.000	0.015	0.015	7
27	36.30	0.000	0.000	0.095	0.095	298	25.00	0.000	0.000	0.023	0.023	49	4.183	0.000	0.000	0.012	0.012	4
28	33.26	0.000	0.000	0.090	0.090	259	22.64	0.000	0.000	0.022	0.022	42	4.440	0.000	0.000	0.012	0.012	5
29	32.68	0.000	0.000	0.080	0.080	226	11.70	0.000	0.000	0.018	0.018	18	4.087	0.000	0.000	0.012	0.012	4
30	26.85	0.000	0.000	0.060	0.060	139	13.06	0.000	0.000	0.020	0.020	22	4.217	0.000	0.000	0.012	0.012	4
31							12.46	0.000	0.000	0.018	0.018	20						
Ten Daily Mean																		
Ten Daily I	80.89	0.001	0.014	0.292	0.306	2470	35.16	0.000	0.002	0.040	0.042	148	9.153	0.000	0.000	0.017	0.017	13
Ten Daily II	58.58	0.000	0.007	0.276	0.283	1569	43.72	0.000	0.001	0.040	0.041	158	6.576	0.000	0.000	0.013	0.013	7
Ten Daily III	97.33	0.001	0.004	0.169	0.174	2572	23.42	0.000	0.000	0.026	0.026	57	4.607	0.000	0.000	0.012	0.012	5
Monthly																		
Total						66112						3689						257

Annual Sediment Load (Metric Tonnes) : 389292

Page No 145

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : RAJEGAON (AGH4MC3)

Division : Wainganga Div., Nagpur

Local River : Bagh

Sub-Division : Upper Wainganga SD, Nagpur

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	4.249	0.000	0.000	0.012	0.012	4	2.850	0.000	0.000	0.010	0.010	2	1.094	0.000	0.000	0.007	0.007	1
2	4.237	0.000	0.000	0.012	0.012	4	2.841	0.000	0.000	0.010	0.010	2	0.996	0.000	0.000	0.007	0.007	1
3	4.249	0.000	0.000	0.012	0.012	4	2.852	0.000	0.000	0.010	0.010	2	0.800	0.000	0.000	0.006	0.006	0.4
4	4.479	0.000	0.000	0.012	0.012	5	2.989	0.000	0.000	0.010	0.010	3	0.812	0.000	0.000	0.006	0.006	0.4
5	3.968	0.000	0.000	0.011	0.011	4	2.776	0.000	0.000	0.010	0.010	2	0.731	0.000	0.000	0.006	0.006	0.4
6	3.561	0.000	0.000	0.011	0.011	3	2.747	0.000	0.000	0.010	0.010	2	0.619	0.000	0.000	0.006	0.006	0.3
7	3.590	0.000	0.000	0.011	0.011	3	2.281	0.000	0.000	0.010	0.010	2	0.569	0.000	0.000	0.006	0.006	0.3
8	3.729	0.000	0.000	0.011	0.011	4	2.662	0.000	0.000	0.010	0.010	2	0.555	0.000	0.000	0.005	0.005	0.2
9	4.239	0.000	0.000	0.013	0.013	5	2.412	0.000	0.000	0.010	0.010	2	0.543	0.000	0.000	0.005	0.005	0.2
10	4.249	0.000	0.000	0.013	0.013	5	2.557	0.000	0.000	0.010	0.010	2	0.544	0.000	0.000	0.005	0.005	0.2
11	4.220	0.000	0.000	0.013	0.013	5	2.372	0.000	0.000	0.010	0.010	2	0.706	0.000	0.000	0.007	0.007	0.4
12	3.815	0.000	0.000	0.011	0.011	4	2.347	0.000	0.000	0.010	0.010	2	0.559	0.000	0.000	0.007	0.007	0.3
13	3.499	0.000	0.000	0.011	0.011	3	2.362	0.000	0.000	0.010	0.010	2	0.563	0.000	0.000	0.005	0.005	0.2
14	3.098	0.000	0.000	0.011	0.011	3	1.927	0.000	0.000	0.009	0.009	2	0.560	0.000	0.000	0.005	0.005	0.2
15	3.308	0.000	0.000	0.011	0.011	3	2.385	0.000	0.000	0.010	0.010	2	0.537	0.000	0.000	0.005	0.005	0.2
16	4.026	0.000	0.000	0.014	0.014	5	2.584	0.000	0.000	0.010	0.010	2	0.557	0.000	0.000	0.005	0.005	0.2
17	4.000	0.000	0.000	0.014	0.014	5	1.604	0.000	0.000	0.009	0.009	1	0.548	0.000	0.000	0.005	0.005	0.2
18	4.357	0.000	0.000	0.014	0.014	5	1.604	0.000	0.000	0.009	0.009	1	0.706	0.000	0.000	0.005	0.005	0.3
19	3.697	0.000	0.000	0.011	0.011	4	1.604	0.000	0.000	0.009	0.009	1	0.553	0.000	0.000	0.007	0.007	0.3
20	3.349	0.000	0.000	0.011	0.011	3	1.604	0.000	0.000	0.009	0.009	1	0.550	0.000	0.000	0.005	0.005	0.2
21	3.415	0.000	0.000	0.011	0.011	3	1.761	0.000	0.000	0.009	0.009	1	0.548	0.000	0.000	0.005	0.005	0.2
22	3.268	0.000	0.000	0.011	0.011	3	1.761	0.000	0.000	0.009	0.009	1	0.531	0.000	0.000	0.004	0.004	0.2
23	3.266	0.000	0.000	0.011	0.011	3	1.604	0.000	0.000	0.009	0.009	1	0.431	0.000	0.000	0.004	0.004	0.1
24	3.080	0.000	0.000	0.011	0.011	3	1.891	0.000	0.000	0.009	0.009	1	0.429	0.000	0.000	0.004	0.004	0.1
25	3.080	0.000	0.000	0.011	0.011	3	1.640	0.000	0.000	0.009	0.009	1	0.357	0.000	0.000	0.003	0.003	0.1
26	3.091	0.000	0.000	0.011	0.011	3	1.309	0.000	0.000	0.009	0.009	1	0.285	0.000	0.000	0.002	0.002	0.05
27	3.008	0.000	0.000	0.011	0.011	3	1.620	0.000	0.000	0.008	0.008	1	0.276	0.000	0.000	0.002	0.002	0.05
28	2.909	0.000	0.000	0.010	0.010	3	1.174	0.000	0.000	0.008	0.008	1	0.288	0.000	0.000	0.002	0.002	0.05
29	2.597	0.000	0.000	0.010	0.010	2	1.118	0.000	0.000	0.008	0.008	1						
30	2.589	0.000	0.000	0.010	0.010	2	1.123	0.000	0.000	0.008	0.008	1						
31	2.666	0.000	0.000	0.010	0.010	2	1.129	0.000	0.000	0.008	0.008	1						
Ten Daily Mean																		
Ten Daily I	4.055	0.000	0.000	0.012	0.012	4	2.697	0.000	0.000	0.010	0.010	2	0.726	0.000	0.000	0.006	0.006	0.4
Ten Daily II	3.737	0.000	0.000	0.012	0.012	4	2.039	0.000	0.000	0.009	0.009	2	0.584	0.000	0.000	0.006	0.006	0.3
Ten Daily III	2.997	0.000	0.000	0.011	0.011	3	1.467	0.000	0.000	0.009	0.009	1	0.393	0.000	0.000	0.003	0.003	0.1
Monthly																		
Total						111						52						8

Annual Sediment Load (Metric Tonnes) : 389292

Page No 146

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : RAJEGAON (AGH4MC3)

Local River : Bagh

Division : Wainganga Div., Nagpur

Sub-Division : Upper Wainganga SD, Nagpur

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	0.270	0.000	0.000	0.002	0.002	0.05	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.228	0.000	0.000	0.002	0.002	0.04	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.280	0.000	0.000	0.002	0.002	0.05	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.088	0.000	0.000	0.001	0.001	0.01	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.017	0.000	0.000	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.018	0.000	0.000	0.001	0.001	0.002	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	0.090	0.000	0.000	0.001	0.001	0.01	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) : 389292

Page No 147

Annual Sediment Load for period : 1991-2018

Station Name : RAJEGAON (AGH4MC3)

Division : Wainganga Div., Nagpur

Local River : Bagh

Sub-Division : Upper Wainganga SD, Nagpur

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1991-1992	923281	0	923281	2094
1992-1993	1427518	6	1427524	1942
1993-1994	1694789	10	1694799	1979
1994-1995	11828772	4748	11833520	11726
1995-1996	1691938	925	1692863	3332
1996-1997	492368	0	492368	1081
1997-1998	1894429	30011	1924440	3205
1998-1999	1221920	386	1222306	2635
1999-2000	2032517	500	2033017	3476
2000-2001	1154008	0	1154008	1616
2001-2002	2039685	0	2039685	2483
2002-2003	7127329	0	7127329	2479
2003-2004	2343872	9328	2353200	3125
2004-2005	473357	24143	497500	1014
2005-2006	4687928	0	4687928	3830
2006-2007	0	0	0	3465
2007-2008	0	0	0	2167
2008-2009	0	0	0	1840
2009-2010	0	0	0	1266
2010-2011	0	0	0	2888
2011-2012	0	0	0	2763
2012-2013	0	0	0	2501
2013-2014	0	0	0	5507
2014-2015	162429	332	162761	3055
2015-2016	803937	310	804247	1457
2016-2017	1439122	1286	1440409	2618
2017-2018	389121	171	389292	977

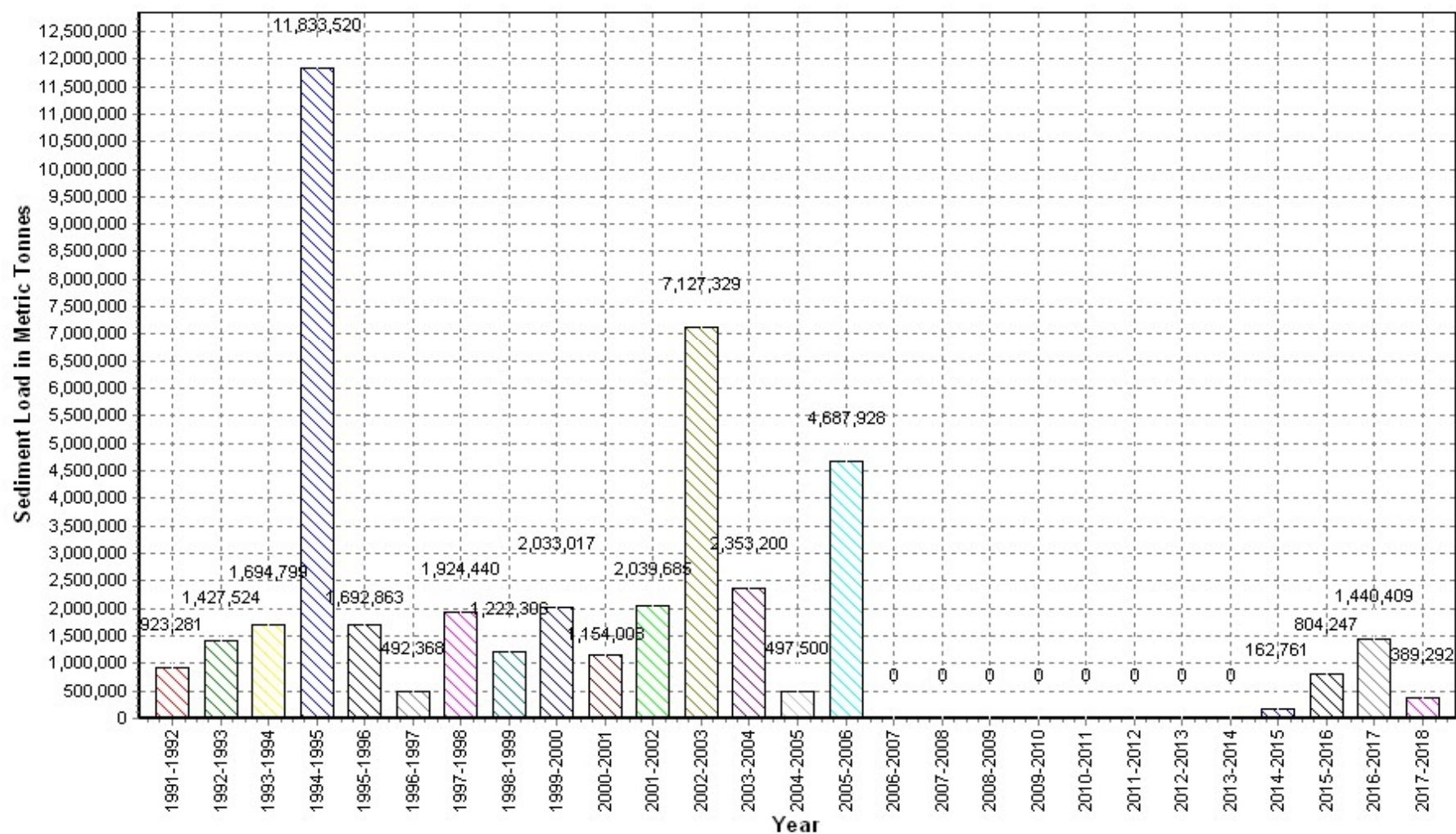
Annual Sediment Load for the period: 1991-2018

Station Name : RAJEGAON (AGH4MC3)

Local River : Bagh

Division : Wainganga Div., Nagpur

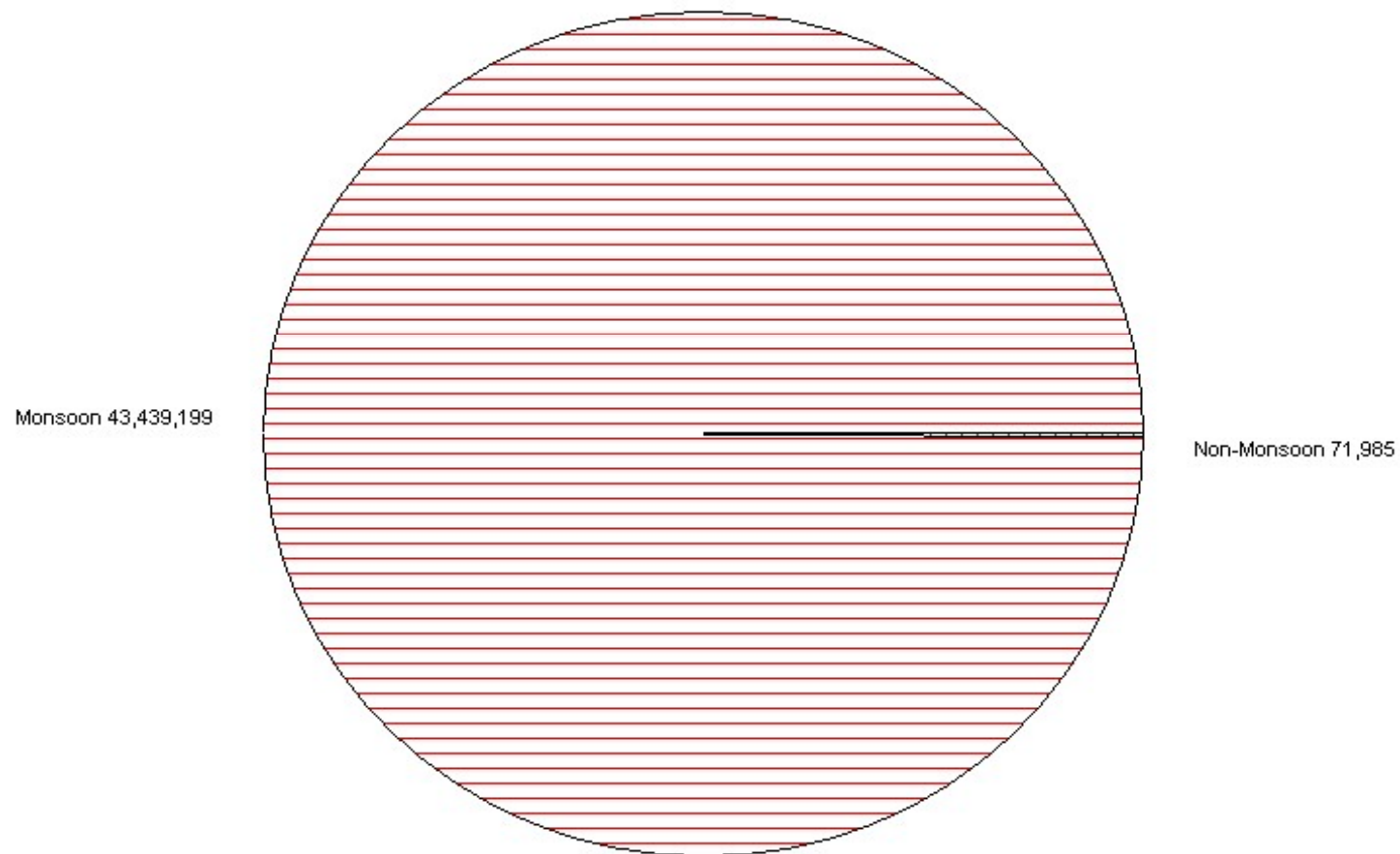
Sub-Division : Upper Wainganga SD, Nagpur



Station Name : RAJEGAON (AGH4MC3)
Local River : Bagh

Seasonal Sediment Load for the period : 1991-2017

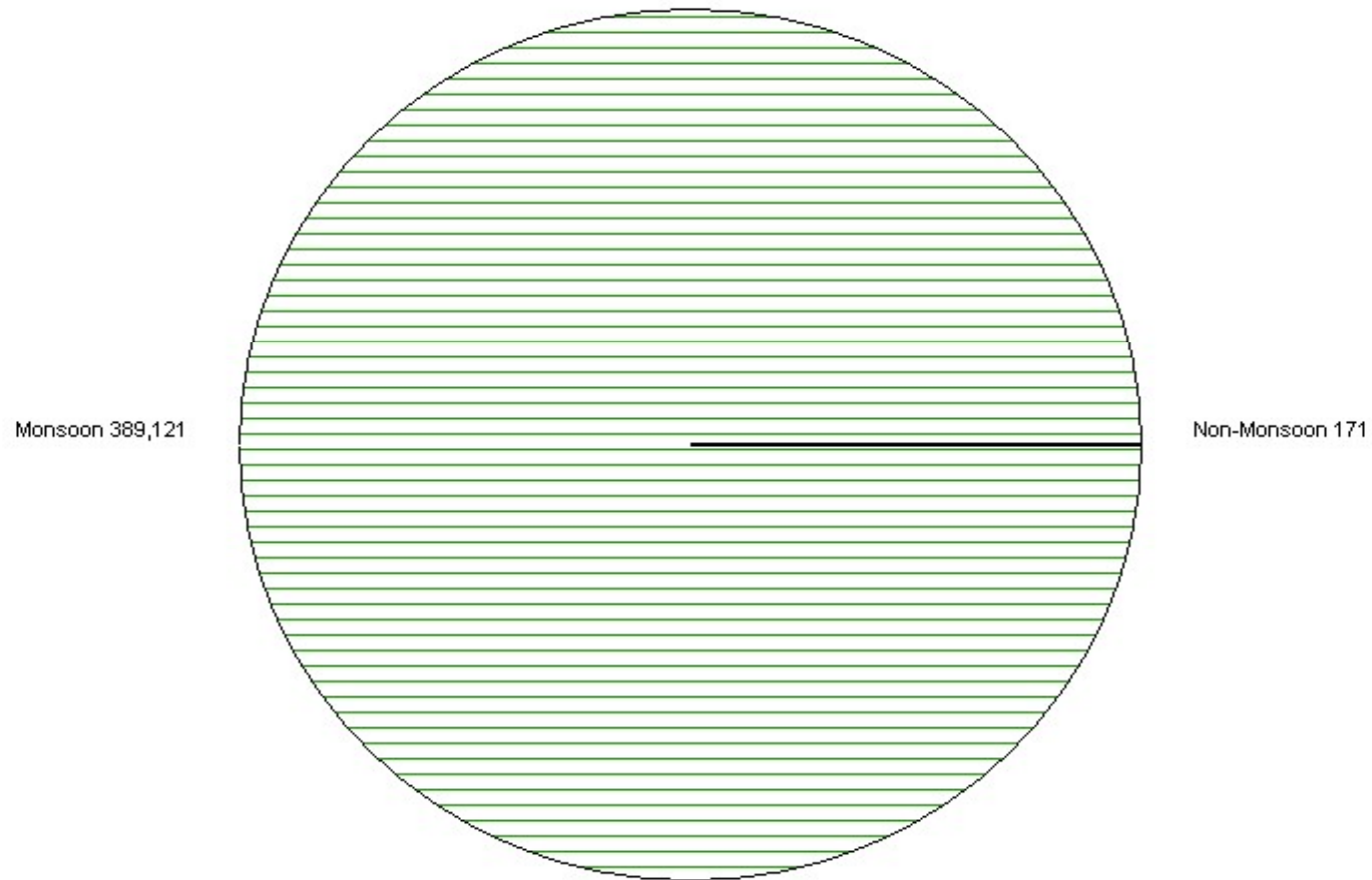
Division : Wainganga Div., Nagpur
Sub-Division : Upper Wainganga SD, Nagpur



Seasonal Sediment Load for the Year: 2017-2018

Station Name : RAJEGAON (AGH4MC3)
Local River : Bagh

Division : Wainganga Div., Nagpur
Sub-Division : Upper Wainganga SD, Nagpur



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : BAGH AT RAJEGAON CODE : AGH0MC3
 MEASURING : WDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 09-06-17)

Discharge Observed :	1.141	cumec	Water edge RB :	240.00	m	LB :	203.00	m
Area of section :	4.20	sq.m	MeanVelocity :				0.2717	m/sec
Wetted perimeter :	37.01	m	Hydraulic Mean Depth :				0.1135	m
Sl. No	R.D. of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	100		274.925	0.97		Av.mean		
2	150		273.320	0.90		dia "m" = 1.37		
3	200		273.110	1.93		Silt factor		
4	250		273.410	1.45		"f" = 1.76 $\sqrt{m}$		
5	300		273.610	1.62		= 2.06		

Note : i) Discharge observation was at station gauge line.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

Monsoon Survey (Date 06-09-17)

Discharge Observed :	49.236	cumec	Water edge RB :	130.00	m	LB :	293.00	m
Area of section :	123.71	sq.m	MeanVelocity :				0.3980	m/sec
Wetted perimeter :	163.03	m	Hydraulic Mean Depth :				0.7588	m
Sl. No	R.D. of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	100		275.055	0.22		Av.mean		
2	150		273.390	0.24		dia "m" = 1.05		
3	200		273.020	2.21		Silt factor		
4	250		273.240	1.90		"f" = 1.76 $\sqrt{m}$		
5	300		274.440	0.70		= 1.80		

Note : i) Discharge observation was at station gauge line.
 ii) River bed : flowing water.
 iii) Water flows in single channel.

Postmonsoon Survey (Date 18-12-17)

Discharge Observed :	4.357	cumec	Water edge RB :	243.00	m	LB :	198.00	m
Area of section :	9.0	sq.m	MeanVelocity :				0.4841	m/sec
Wetted perimeter :	45.03	m	Hydraulic Mean Depth :				0.1999	m
Sl. No	R.D. of sampling point in meters		R.L. of bed in meters	Mean diameter in mm		Remarks		
1	100		274.880	3.10		Av.mean		
2	150		273.370	1.66		dia "m" = 2.76		
3	200		273.230	3.14		Silt factor		
4	250		273.100	2.58		"f" = 1.76 $\sqrt{m}$		
5	300		273.830	3.33		= 2.92		

Note : i) Discharge observation was at station gauge line.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: KUMHARI	Code	: AGH40R6
State	: Madhya Pradesh	District	Balaghat
Basin	: Godavari	Independent River	: Godavari
Tributary	: Pranhita	Sub Tributary	: Wainganga
Sub-Sub Tributary	: -	Local River	: Wainganga
Division	: Wainganga Div., Nagpur	Sub-Division	: Upper Wainganga SD, Nagpur
Drainage Area	: 8070 Sq. Km.	Bank	: Left
Latitude	: 21°53'03"	Longitude	: 80°10'36"
Zero of Gauge (m)	: 289.000 (m.s.l)	01/12/1986	
	Opening Date	Closing Date	
Gauge	: 01/12/1986		
Discharge	: 01/12/1986		
Sediment	: 01/09/2014		
Water Quality	: 01/02/2012		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : KUMHARI (AGH40R6)

Local River : Wainganga

Division : Wainganga Div., Nagpur

Sub-Division : Upper Wainganga SD, Nagpur

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	0.944	0.002	0.001	0.036	0.039	3	192.7	0.000	0.000	0.081	0.081	1348	38.95	0.000	0.000	0.022	0.022	74
2	0.905	0.000	0.000	0.038	0.038	3	117.1	0.000	0.000	0.074	0.074	749	37.04	0.000	0.000	0.021	0.021	67
3	0.504	0.000	0.000	0.031	0.031	1	325.9	0.000	0.000	0.095	0.095	2675	46.36	0.000	0.000	0.024	0.024	96
4	0.605	0.000	0.000	0.033	0.033	2	138.5	0.000	0.000	0.075	0.075	897	46.14	0.000	0.000	0.025	0.025	100
5	0.767	0.000	0.000	0.034	0.034	2	93.89	0.000	0.000	0.060	0.060	487	27.73	0.000	0.000	0.020	0.020	48
6	0.754	0.000	0.000	0.034	0.034	2	74.17	0.000	0.000	0.050	0.050	320	22.88	0.000	0.000	0.018	0.018	36
7	1.076	0.000	0.000	0.040	0.040	4	57.12	0.000	0.000	0.045	0.045	222	19.96	0.000	0.000	0.016	0.016	28
8	0.821	0.000	0.000	0.038	0.038	3	29.47	0.000	0.000	0.030	0.030	76	189.6	0.000	0.000	0.040	0.040	655
9	0.597	0.000	0.000	0.033	0.033	2	20.51	0.000	0.000	0.013	0.013	23	179.5	0.000	0.000	0.035	0.035	543
10	0.506	0.000	0.000	0.033	0.033	1	20.69	0.000	0.000	0.015	0.015	26	161.8	0.000	0.000	0.035	0.035	489
11	0.504	0.000	0.000	0.033	0.033	1	65.37	0.000	0.000	0.017	0.017	96	155.7	0.000	0.000	0.032	0.032	430
12	0.535	0.000	0.000	0.032	0.032	1	36.49	0.000	0.000	0.017	0.017	54	137.0	0.000	0.000	0.031	0.031	367
13	0.528	0.000	0.000	0.032	0.032	1	29.42	0.000	0.000	0.016	0.016	41	59.03	0.000	0.000	0.040	0.040	203
14	0.475	0.000	0.000	0.031	0.031	1	18.01	0.000	0.000	0.015	0.015	23	47.27	0.000	0.000	0.040	0.040	162
15	0.504	0.000	0.000	0.032	0.032	1	14.31	0.000	0.000	0.014	0.014	17	36.97	0.000	0.000	0.034	0.034	109
16	0.530	0.000	0.000	0.032	0.032	1	397.6	0.000	0.000	0.120	0.120	4122	31.68	0.000	0.000	0.033	0.033	90
17	0.443	0.000	0.000	0.030	0.030	1	127.1	0.000	0.000	0.060	0.060	659	21.07	0.000	0.000	0.030	0.030	54
18	0.413	0.000	0.000	0.029	0.029	1	315.7	0.000	0.000	0.150	0.150	4092	100.2	0.000	0.000	0.060	0.060	519
19	0.418	0.000	0.000	0.029	0.029	1	199.1	0.000	0.000	0.085	0.085	1462	55.62	0.000	0.000	0.035	0.035	168
20	0.729	0.000	0.000	0.037	0.037	2	491.7	0.000	0.000	0.150	0.150	6372	33.85	0.000	0.000	0.030	0.030	88
21	0.648	0.000	0.000	0.035	0.035	2	468.4	0.000	0.000	0.140	0.140	5666	29.10	0.000	0.000	0.027	0.027	68
22	2.096	0.000	0.000	0.041	0.041	7	205.3	0.000	0.000	0.057	0.057	1015	26.51	0.000	0.000	0.024	0.024	55
23	0.605	0.000	0.000	0.035	0.035	2	111.1	0.000	0.000	0.020	0.020	192	27.77	0.000	0.000	0.026	0.026	62
24	0.413	0.000	0.000	0.033	0.033	1	57.76	0.000	0.000	0.019	0.019	95	19.16	0.000	0.000	0.020	0.020	33
25	0.328	0.000	0.000	0.030	0.030	1	49.39	0.000	0.000	0.016	0.016	68	50.91	0.000	0.000	0.032	0.032	141
26	0.504	0.000	0.000	0.032	0.032	1	41.41	0.000	0.000	0.013	0.013	47	50.91	0.000	0.000	0.031	0.031	136
27	34.87	0.000	0.000	0.040	0.040	121	62.49	0.000	0.000	0.017	0.017	92	30.88	0.000	0.000	0.024	0.024	64
28	30.11	0.000	0.000	0.039	0.039	101	46.81	0.000	0.000	0.014	0.014	57	145.4	0.000	0.000	0.100	0.100	1256
29	57.08	0.000	0.000	0.050	0.050	247	58.30	0.000	0.000	0.015	0.015	76	675.2	0.000	0.000	0.400	0.400	23334
30	64.50	0.000	0.000	0.060	0.060	334	39.14	0.000	0.000	0.013	0.013	44	337.7	0.000	0.000	0.200	0.200	5836
31							20.84	0.000	0.000	0.010	0.010	18	199.7	0.000	0.000	0.120	0.120	2070
Ten Daily Mean																		
Ten Daily I	0.748	0.000	0.000	0.035	0.035	2	107.0	0.000	0.000	0.054	0.054	682	77.00	0.000	0.000	0.026	0.026	214
Ten Daily II	0.508	0.000	0.000	0.032	0.032	1	169.5	0.000	0.000	0.064	0.064	1694	67.84	0.000	0.000	0.036	0.036	219
Ten Daily III	19.12	0.000	0.000	0.040	0.040	82	105.5	0.000	0.000	0.030	0.030	670	144.8	0.000	0.000	0.091	0.091	3005
Monthly																		
Total						855						31130						37381

Annual Sediment Load (Metric Tonnes) : 102205

Page No 154

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : KUMHARI (AGH40R6)

Local River : Wainganga

Division : Wainganga Div., Nagpur

Sub-Division : Upper Wainganga SD, Nagpur

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	154.7	0.000	0.000	0.086	0.086	1144	17.57	0.000	0.000	0.010	0.010	15	8.080	0.000	0.000	0.007	0.007	5
2	117.1	0.000	0.000	0.070	0.070	708	19.75	0.000	0.000	0.010	0.010	17	6.865	0.000	0.000	0.005	0.005	3
3	73.82	0.000	0.000	0.030	0.030	191	13.89	0.000	0.000	0.009	0.009	10	8.080	0.000	0.000	0.008	0.008	6
4	52.30	0.000	0.000	0.020	0.020	90	12.57	0.000	0.000	0.008	0.008	9	6.865	0.000	0.000	0.006	0.006	4
5	43.14	0.000	0.000	0.023	0.023	87	11.48	0.000	0.000	0.008	0.008	8	5.766	0.000	0.000	0.006	0.006	3
6	30.11	0.000	0.000	0.019	0.019	50	17.36	0.000	0.000	0.010	0.010	14	5.766	0.000	0.000	0.006	0.006	3
7	24.20	0.000	0.000	0.019	0.019	40	18.27	0.000	0.000	0.010	0.010	16	3.908	0.000	0.000	0.005	0.005	2
8	28.76	0.000	0.000	0.020	0.020	50	19.75	0.000	0.000	0.015	0.015	26	2.998	0.000	0.000	0.005	0.005	1
9	30.66	0.000	0.000	0.022	0.022	58	18.02	0.000	0.000	0.020	0.020	31	2.831	0.000	0.000	0.005	0.005	1
10	43.68	0.000	0.000	0.026	0.026	98	26.32	0.000	0.000	0.025	0.025	57	2.467	0.000	0.000	0.005	0.005	1
11	151.0	0.000	0.000	0.155	0.155	2022	28.54	0.000	0.000	0.024	0.024	60	1.891	0.000	0.000	0.004	0.004	1
12	114.4	0.000	0.000	0.060	0.060	593	30.04	0.000	0.000	0.030	0.030	78	1.404	0.000	0.000	0.004	0.004	0.5
13	125.4	0.000	0.000	0.045	0.045	491	17.56	0.000	0.000	0.026	0.026	39	1.003	0.000	0.000	0.004	0.004	0.3
14	167.3	0.000	0.000	0.050	0.050	723	16.04	0.000	0.000	0.022	0.022	30	1.003	0.000	0.000	0.004	0.004	0.3
15	149.0	0.000	0.000	0.042	0.042	541	19.75	0.000	0.000	0.023	0.023	39	0.679	0.000	0.000	0.002	0.002	0.1
16	80.43	0.000	0.000	0.031	0.031	215	12.60	0.000	0.000	0.024	0.024	27	0.679	0.000	0.000	0.002	0.002	0.1
17	42.52	0.000	0.000	0.020	0.020	73	11.98	0.000	0.000	0.023	0.023	23	0.429	0.000	0.000	0.004	0.004	0.1
18	50.51	0.000	0.000	0.036	0.036	156	10.57	0.000	0.000	0.013	0.013	12	0.429	0.000	0.000	0.004	0.004	0.1
19	317.0	0.000	0.000	0.219	0.219	5985	13.64	0.000	0.000	0.015	0.015	18	1.404	0.000	0.000	0.005	0.005	1
20	165.0	0.000	0.000	0.179	0.179	2545	9.461	0.000	0.000	0.014	0.014	11	2.986	0.000	0.000	0.004	0.004	1
21	237.1	0.000	0.000	0.210	0.210	4307	8.477	0.000	0.000	0.009	0.009	7	7.909	0.000	0.000	0.015	0.015	10
22	398.9	0.000	0.000	0.280	0.280	9651	11.88	0.000	0.000	0.010	0.010	10	7.864	0.000	0.000	0.015	0.015	10
23	266.4	0.000	0.000	0.032	0.032	739	11.30	0.000	0.000	0.015	0.015	14	9.336	0.000	0.000	0.019	0.019	15
24	105.2	0.000	0.000	0.020	0.020	182	15.64	0.000	0.000	0.018	0.018	24	7.798	0.000	0.000	0.015	0.015	10
25	66.19	0.000	0.000	0.012	0.012	67	16.04	0.000	0.000	0.019	0.019	26	9.071	0.000	0.000	0.019	0.019	15
26	41.83	0.000	0.000	0.015	0.015	54	15.10	0.000	0.000	0.017	0.017	22	10.88	0.000	0.000	0.024	0.024	23
27	38.12	0.000	0.000	0.010	0.010	33	8.883	0.000	0.000	0.006	0.006	5	8.893	0.000	0.000	0.022	0.022	17
28	31.88	0.000	0.000	0.010	0.010	28	12.02	0.000	0.000	0.020	0.020	21	8.488	0.000	0.000	0.022	0.022	16
29	22.29	0.000	0.000	0.010	0.010	19	10.88	0.000	0.000	0.018	0.018	16	8.694	0.000	0.000	0.021	0.021	16
30	18.28	0.000	0.000	0.009	0.009	15	9.601	0.000	0.000	0.017	0.017	14	5.766	0.000	0.000	0.015	0.015	7
31							9.108	0.000	0.000	0.007	0.007	6						
Ten Daily Mean																		
Ten Daily I	59.84	0.000	0.000	0.034	0.034	252	17.50	0.000	0.000	0.012	0.012	20	5.363	0.000	0.000	0.006	0.006	3
Ten Daily II	136.3	0.000	0.000	0.084	0.084	1334	17.02	0.000	0.000	0.021	0.021	34	1.191	0.000	0.000	0.004	0.004	0.4
Ten Daily III	122.6	0.000	0.000	0.061	0.061	1509	11.72	0.000	0.000	0.014	0.014	15	8.470	0.000	0.000	0.019	0.019	14
Monthly																		
Total						30955						707						172

Annual Sediment Load (Metric Tonnes) : 102205

Page No 155

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : KUMHARI (AGH40R6)

Local River : Wainganga

Division : Wainganga Div., Nagpur

Sub-Division : Upper Wainganga SD, Nagpur

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	9.843	0.000	0.000	0.020	0.020	17	6.220	0.000	0.000	0.010	0.010	5	1.465	0.000	0.000	0.001	0.001	0.2
2	10.12	0.000	0.000	0.024	0.024	21	5.571	0.000	0.000	0.010	0.010	5	1.577	0.000	0.000	0.001	0.001	0.2
3	11.52	0.000	0.000	0.026	0.026	26	5.209	0.000	0.000	0.010	0.010	5	1.313	0.000	0.000	0.001	0.001	0.1
4	11.24	0.000	0.000	0.026	0.026	25	17.47	0.000	0.000	0.019	0.019	29	1.321	0.000	0.000	0.001	0.001	0.1
5	10.54	0.000	0.000	0.025	0.025	23	17.90	0.000	0.000	0.019	0.019	29	1.209	0.000	0.000	0.004	0.004	0.4
6	10.72	0.000	0.000	0.025	0.025	23	17.38	0.000	0.000	0.019	0.019	29	1.216	0.000	0.000	0.004	0.004	0.4
7	7.662	0.000	0.000	0.020	0.020	13	16.78	0.000	0.000	0.017	0.017	25	1.252	0.000	0.000	0.003	0.003	0.4
8	7.489	0.000	0.000	0.020	0.020	13	17.76	0.000	0.000	0.017	0.017	26	1.270	0.000	0.000	0.003	0.003	0.4
9	6.814	0.000	0.000	0.020	0.020	11	15.16	0.000	0.000	0.015	0.015	20	1.124	0.000	0.000	0.003	0.003	0.3
10	6.932	0.000	0.000	0.020	0.020	12	18.27	0.000	0.000	0.020	0.020	31	1.130	0.000	0.000	0.003	0.003	0.3
11	6.611	0.000	0.000	0.019	0.019	11	14.07	0.000	0.000	0.016	0.016	19	1.161	0.000	0.000	0.003	0.003	0.3
12	5.324	0.000	0.000	0.019	0.019	9	14.12	0.000	0.000	0.016	0.016	20	1.817	0.000	0.000	0.003	0.003	1
13	5.807	0.000	0.000	0.019	0.019	10	13.86	0.000	0.000	0.012	0.012	14	1.475	0.000	0.000	0.003	0.003	0.4
14	5.131	0.000	0.000	0.019	0.019	8	13.36	0.000	0.000	0.012	0.012	14	2.345	0.000	0.000	0.004	0.004	1
15	4.401	0.000	0.000	0.016	0.016	6	15.29	0.000	0.000	0.015	0.015	20	38.86	0.000	0.000	0.020	0.020	67
16	5.347	0.000	0.000	0.016	0.016	7	15.90	0.000	0.000	0.015	0.015	21	22.02	0.000	0.000	0.015	0.015	29
17	3.938	0.000	0.000	0.016	0.016	5	11.30	0.000	0.000	0.011	0.011	11	19.95	0.000	0.000	0.012	0.012	21
18	2.491	0.000	0.000	0.014	0.014	3	9.415	0.000	0.000	0.010	0.010	8	14.68	0.000	0.000	0.010	0.010	13
19	2.508	0.000	0.000	0.014	0.014	3	6.468	0.000	0.000	0.009	0.009	5	11.44	0.000	0.000	0.010	0.010	10
20	2.341	0.000	0.000	0.012	0.012	2	6.599	0.000	0.000	0.009	0.009	5	11.35	0.000	0.000	0.010	0.010	10
21	2.194	0.000	0.000	0.012	0.012	2	5.313	0.000	0.000	0.008	0.008	4	12.49	0.000	0.000	0.010	0.010	11
22	3.330	0.000	0.000	0.012	0.012	3	6.419	0.000	0.000	0.009	0.009	5	12.03	0.000	0.000	0.012	0.012	12
23	3.317	0.000	0.000	0.013	0.013	4	6.573	0.000	0.000	0.008	0.008	5	11.66	0.000	0.000	0.011	0.011	11
24	3.938	0.000	0.000	0.013	0.013	4	6.642	0.000	0.000	0.008	0.008	5	11.15	0.000	0.000	0.011	0.011	11
25	3.938	0.000	0.000	0.013	0.013	4	6.190	0.000	0.000	0.008	0.008	4	10.39	0.000	0.000	0.010	0.010	9
26	5.313	0.000	0.000	0.016	0.016	7	5.313	0.000	0.000	0.007	0.007	3	10.44	0.000	0.000	0.010	0.010	9
27	10.71	0.000	0.000	0.020	0.020	18	2.555	0.000	0.000	0.006	0.006	1	10.77	0.000	0.000	0.012	0.012	11
28	10.99	0.000	0.000	0.020	0.020	19	2.087	0.000	0.000	0.006	0.006	1	11.29	0.000	0.000	0.014	0.014	14
29	8.355	0.000	0.000	0.016	0.016	12	2.097	0.000	0.000	0.002	0.002	0.3						
30	8.962	0.000	0.000	0.016	0.016	12	2.054	0.000	0.000	0.002	0.002	0.3						
31	8.807	0.000	0.000	0.016	0.016	12	1.723	0.000	0.000	0.001	0.001	0.2						
Ten Daily Mean																		
Ten Daily I	9.289	0.000	0.000	0.023	0.023	18	13.77	0.000	0.000	0.016	0.016	20	1.288	0.000	0.000	0.003	0.003	0.3
Ten Daily II	4.390	0.000	0.000	0.016	0.016	7	12.04	0.000	0.000	0.013	0.013	14	12.51	0.000	0.000	0.009	0.009	15
Ten Daily III	6.351	0.000	0.000	0.015	0.015	9	4.270	0.000	0.000	0.006	0.006	3	11.28	0.000	0.000	0.011	0.011	11
Monthly																		
Total						348						368						241

Annual Sediment Load (Metric Tonnes) : 102205

Page No 156

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : KUMHARI (AGH40R6)

Local River : Wainganga

Division : Wainganga Div., Nagpur

Sub-Division : Upper Wainganga SD, Nagpur

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	7.471	0.000	0.000	0.013	0.013	8	0.440	0.000	0.000	0.004	0.004	0.2	0.253	0.000	0.000	0.002	0.002	0.04
2	5.695	0.000	0.000	0.012	0.012	6	0.413	0.000	0.000	0.004	0.004	0.1	0.248	0.000	0.000	0.002	0.002	0.04
3	4.973	0.000	0.000	0.012	0.012	5	0.404	0.000	0.000	0.004	0.004	0.1	0.236	0.000	0.000	0.002	0.002	0.04
4	4.596	0.000	0.000	0.012	0.012	5	0.394	0.000	0.000	0.003	0.003	0.1	0.243	0.000	0.000	0.002	0.002	0.04
5	5.678	0.000	0.000	0.012	0.012	6	0.429	0.000	0.000	0.003	0.003	0.1	0.241	0.000	0.000	0.002	0.002	0.04
6	2.724	0.000	0.000	0.010	0.010	2	0.416	0.000	0.000	0.004	0.004	0.1	0.202	0.000	0.000	0.002	0.002	0.03
7	1.784	0.000	0.000	0.010	0.010	2	0.413	0.000	0.000	0.004	0.004	0.1	0.245	0.000	0.000	0.002	0.002	0.04
8	1.522	0.000	0.000	0.010	0.010	1	0.358	0.000	0.000	0.004	0.004	0.1	0.184	0.000	0.000	0.002	0.002	0.03
9	1.013	0.000	0.000	0.010	0.010	1	0.440	0.000	0.000	0.003	0.003	0.1	0.191	0.000	0.000	0.002	0.002	0.03
10	0.876	0.000	0.000	0.009	0.009	1	0.334	0.000	0.000	0.004	0.004	0.1	0.199	0.000	0.000	0.002	0.002	0.03
11	0.876	0.000	0.000	0.009	0.009	1	0.339	0.000	0.000	0.003	0.003	0.1	0.196	0.000	0.000	0.002	0.002	0.03
12	0.938	0.000	0.000	0.009	0.009	1	0.336	0.000	0.000	0.003	0.003	0.1	0.203	0.000	0.000	0.002	0.002	0.04
13	0.751	0.000	0.000	0.007	0.007	0.5	0.533	0.000	0.000	0.005	0.005	0.2	0.202	0.000	0.000	0.002	0.002	0.03
14	0.870	0.000	0.000	0.008	0.008	1	0.637	0.000	0.000	0.006	0.006	0.3	0.239	0.000	0.000	0.002	0.002	0.04
15	0.930	0.000	0.000	0.009	0.009	1	0.541	0.000	0.000	0.005	0.005	0.2	0.223	0.000	0.000	0.002	0.002	0.04
16	0.637	0.000	0.000	0.006	0.006	0.3	0.546	0.000	0.000	0.005	0.005	0.2	0.211	0.000	0.000	0.002	0.002	0.04
17	0.637	0.000	0.000	0.006	0.006	0.3	0.591	0.000	0.000	0.005	0.005	0.3	0.222	0.000	0.000	0.002	0.002	0.04
18	0.637	0.000	0.000	0.006	0.006	0.3	0.513	0.000	0.000	0.005	0.005	0.2	0.243	0.000	0.000	0.002	0.002	0.04
19	0.575	0.000	0.000	0.005	0.005	0.2	0.452	0.000	0.000	0.004	0.004	0.2	0.223	0.000	0.000	0.002	0.002	0.04
20	0.651	0.000	0.000	0.006	0.006	0.3	0.420	0.000	0.000	0.004	0.004	0.1	0.202	0.000	0.000	0.002	0.002	0.03
21	0.620	0.000	0.000	0.006	0.006	0.3	0.374	0.000	0.000	0.003	0.003	0.1	0.160	0.000	0.000	0.002	0.002	0.02
22	0.593	0.000	0.000	0.005	0.005	0.3	0.352	0.000	0.000	0.003	0.003	0.1	0.159	0.000	0.000	0.002	0.002	0.02
23	0.605	0.000	0.000	0.006	0.006	0.3	0.309	0.000	0.000	0.003	0.003	0.1	0.155	0.000	0.000	0.002	0.002	0.02
24	0.583	0.000	0.000	0.005	0.005	0.3	0.323	0.000	0.000	0.003	0.003	0.1	0.170	0.000	0.000	0.002	0.002	0.02
25	0.440	0.000	0.000	0.004	0.004	0.2	0.281	0.000	0.000	0.002	0.002	0.05	0.173	0.000	0.000	0.002	0.002	0.03
26	0.588	0.000	0.000	0.005	0.005	0.3	0.297	0.000	0.000	0.002	0.002	0.1	0.154	0.000	0.000	0.002	0.002	0.02
27	0.475	0.000	0.000	0.004	0.004	0.2	0.305	0.000	0.000	0.003	0.003	0.1	0.202	0.000	0.000	0.002	0.002	0.03
28	0.454	0.000	0.000	0.004	0.004	0.2	0.296	0.000	0.000	0.002	0.002	0.1	0.163	0.000	0.000	0.002	0.002	0.02
29	0.533	0.000	0.000	0.005	0.005	0.2	0.248	0.000	0.000	0.002	0.002	0.04	0.172	0.000	0.000	0.002	0.002	0.03
30	0.440	0.000	0.000	0.004	0.004	0.2	0.248	0.000	0.000	0.002	0.002	0.04	0.162	0.000	0.000	0.002	0.002	0.02
31	0.473	0.000	0.000	0.004	0.004	0.2							0.159	0.000	0.000	0.002	0.002	0.02
Ten Daily Mean																		
Ten Daily I	3.633	0.000	0.000	0.011	0.011	4	0.404	0.000	0.000	0.004	0.004	0.1	0.224	0.000	0.000	0.002	0.002	0.04
Ten Daily II	0.750	0.000	0.000	0.007	0.007	0.5	0.491	0.000	0.000	0.005	0.005	0.2	0.216	0.000	0.000	0.002	0.002	0.04
Ten Daily III	0.528	0.000	0.000	0.005	0.005	0.2	0.303	0.000	0.000	0.003	s	0.1	0.166	0.000	0.000	0.002	0.002	0.02
Monthly																		
Total						44						4						1

Annual Sediment Load (Metric Tonnes) : 102205

Page No 157

Annual Sediment Load for period : 1990-2018**Station Name : KUMHARI (AGH40R6)****Division : Wainganga Div., Nagpur****Local River : Wainganga****Sub-Division : Upper Wainganga SD, Nagpur**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1990-1991	1694329	0	1694329	5017
1991-1992	802170	11	802182	1647
1992-1993	2130046	3	2130048	2638
1993-1994	1392688	341	1393029	3004
1994-1995	8924650	1326	8925976	9829
1995-1996	1503979	260	1504239	2731
1996-1997	443453	128	443581	1692
1997-1998	2034513	149337	2183850	4192
1998-1999	1041025	1552	1042577	3550
1999-2000	2524542	0	2524542	6108
2000-2001	1290828	2904	1293732	1850
2001-2002	998743	0	998743	2258
2002-2003	685753	424	686177	3456
2003-2004	1710820	498	1711318	3866
2004-2005	272858	340	273198	1200
2005-2006	1595067	0	1595067	3778
2006-2007	0	0	0	4191
2007-2008	0	0	0	2365
2008-2009	0	0	0	1998
2009-2010	0	0	0	2248
2010-2011	0	0	0	3380
2011-2012	0	0	0	3394
2012-2013	0	0	0	3018
2013-2014	0	0	0	7379
2014-2015	63591	3896	67487	1658
2015-2016	141904	1135	143039	1085
2016-2017	2710339	1416	2711755	3791
2017-2018	101199	1006	102205	1019

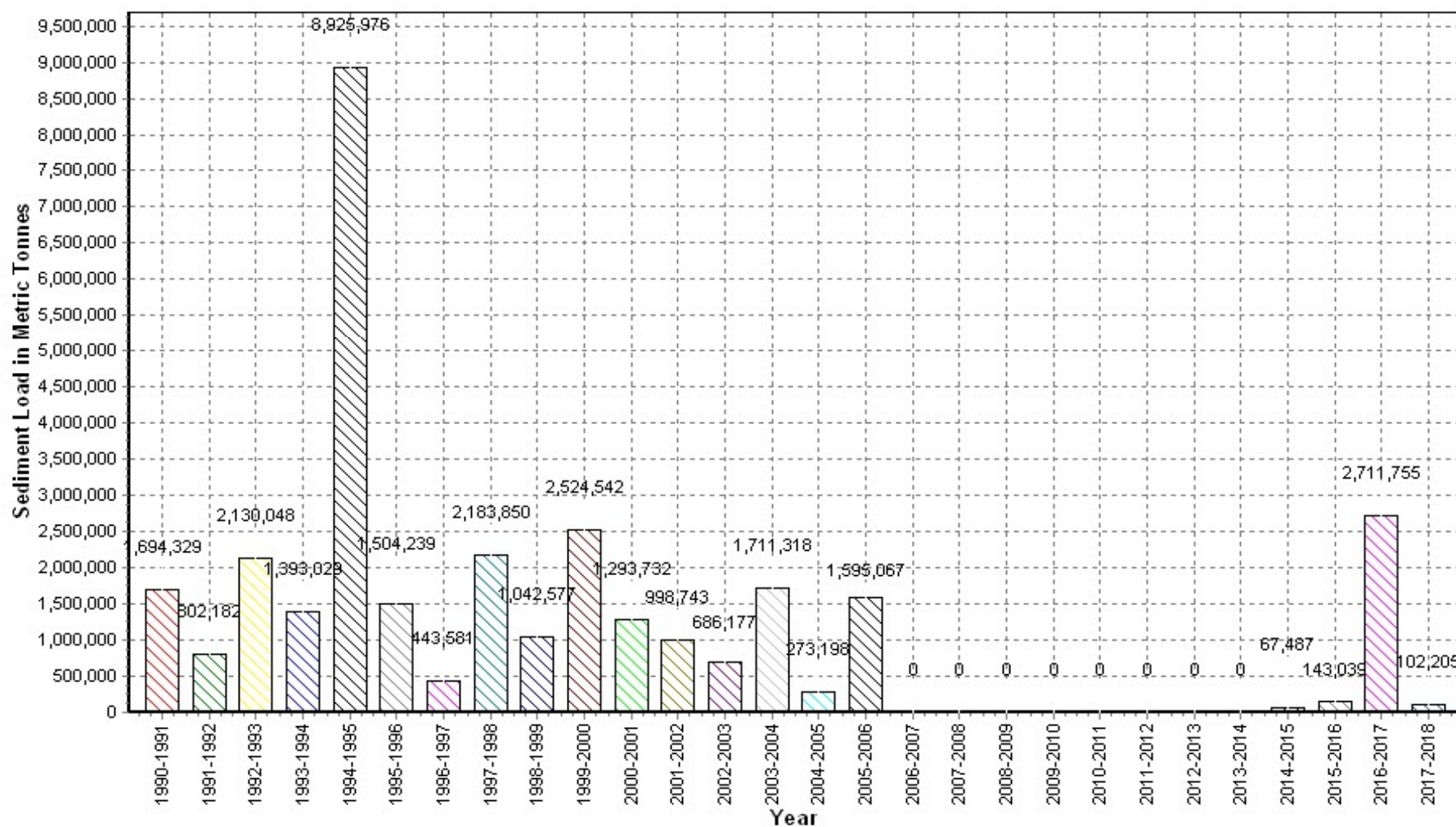
Annual Sediment Load for the period: 1990-2018

Station Name : KUMHARI (AGH40R6)

Local River : Wainganga

Division : Wainganga Div., Nagpur

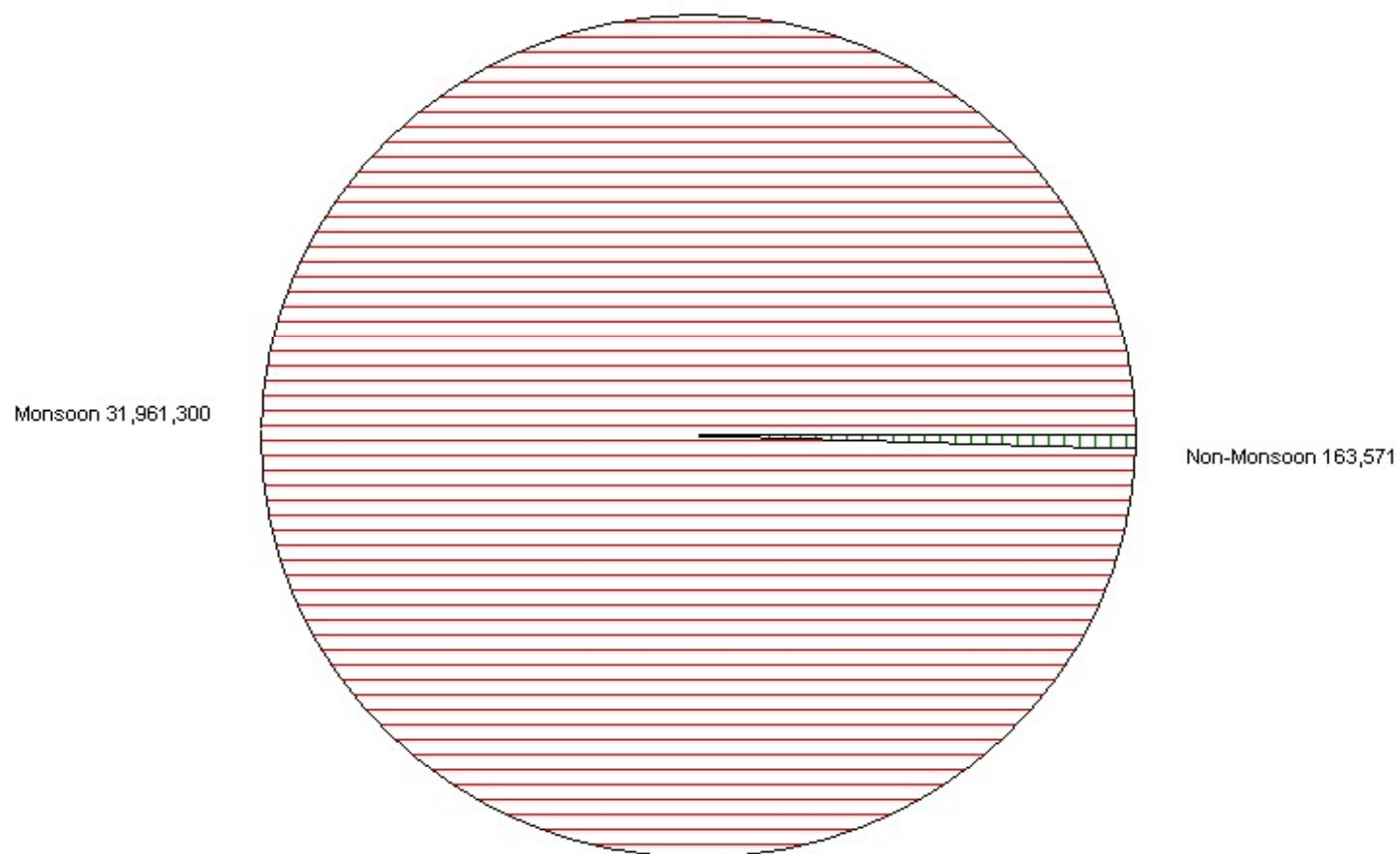
Sub-Division : Upper Wainganga SD, Nagpur



Station Name : KUMHARI (AGH40R6)
Local River : Wainganga

Seasonal Sediment Load for the period : 1990-2017

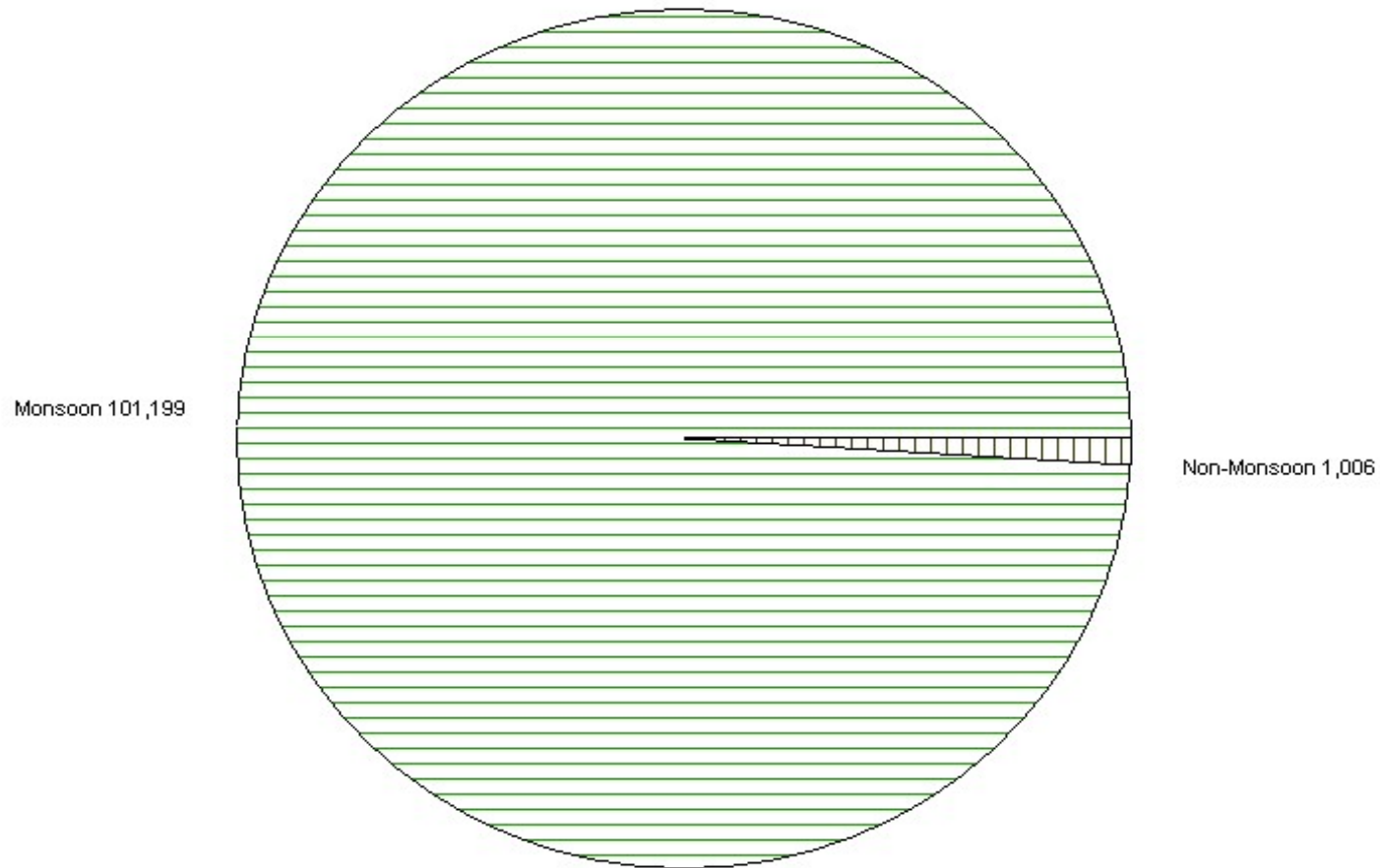
Division : Wainganga Div., Nagpur
Sub-Division : Upper Wainganga SD, Nagpur



Seasonal Sediment Load for the Year: 2017-2018

Station Name : KUMHARI (AGH40R6)
Local River : Wainganga

Division : Wainganga Div., Nagpur
Sub-Division : Upper Wainganga SD, Nagpur



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : WAINGANGA AT KUMHARI CODE : AGH40R6
 MEASURING : WDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 02-06-17)

Discharge Observed :	0.905	cumec	Water edge RB :	106.00	m	LB :	70.00	m
Area of section :	3.88	sq.m	MeanVelocity	:			0.2332	m/sec
Wetted perimeter :	36.027	m	Hydraulic Mean Depth	:			0.1077	m
Sl. No	R.D. of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	50		291.895		2.28			
2	100		289.910		1.18	Av.mean dia "m" =	1.48	
3	150		290.300		1.82			
4	200		290.820		1.18	Silt factor		
5	250		291.130		1.58	"f" =1.76	√m	
6	300		291.820		1.84	=	2.15	

Note : i) Discharge observation was at station gauge line.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

Monsoon Survey (Date 01-09-17)

Discharge Observed :	154.67	cumec	Water edge RB :	303.00	m	LB :	61.00	m
Area of section :	223.28	sq.m	MeanVelocity	:			0.6927	m/sec
Wetted perimeter :	242.12	m	Hydraulic Mean Depth	:			0.9221	m
Sl. No	R.D. of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	50		291.400		0.74			
2	100		289.900		1.46		Av.mean dia "m" = 1.22	
3	150		289.970		1.35			
4	200		290.500		1.17		Silt factor	
5	250		290.880		1.11		"f" =1.76 √m	
6	300		291.040		1.51		= 1.94	

Note : i) Discharge observation was at station gauge line.
 ii) River bed : flowing water.
 iii) Water flows in single channel.

Postmonsoon Survey (Date 03-01-18)

Discharge Observed :	5.209	cumec	Water edge RB :	158.00	m	LB :	76.50	m
Area of section :	13.73	sq.m	MeanVelocity	:			0.3794	m/sec
Wetted perimeter :	56.5538	m	Hydraulic Mean Depth	:			0.2428	m
Sl. No	R.D. of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	50		291.960		1.94			
2	100		290.680		1.94		Av.mean dia "m" = 1.60	
3	150		290.190		1.79			
4	200		290.430		1.61		Silt factor	
5	250		291.130		1.21		"f" =1.76 √m	
6	300		291.100		1.09		= 2.22	

Note : i) Discharge observation was at station gauge line.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: SAKMUR	Code	: AGH30B6
State	: Maharashtra	District	Chandrapur
Basin	: Godavari	Independent River	: Godavari
Tributary	: Pranhita	Sub Tributary	: Wardha
Sub-Sub Tributary	: -	Local River	: Wardha
Division	: Wainganga Div., Nagpur	Sub-Division	: Wardha SD, Chandrapur
Drainage Area	: 47500 Sq. Km.	Bank	: Left
Latitude	: 19°33'41"	Longitude	: 79°36'48"
Zero of Gauge (m)	: 145.710 (m.s.l)	23/06/1964	- 15/06/2003
	: 143.000 (m.s.l)	16/06/2003	- 20/01/2006
	: 148.500 (m.s.l)	21/01/2006	
Opening Date		Closing Date	
Gauge	: 23/06/1964		
Discharge	: 01/02/1968		
Sediment	: 01/06/2014		
Water Quality	: 01/06/2014		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : SAKMUR (AGH30B6)

Local River : Wardha

Division : Wainganga Div., Nagpur

Sub-Division : Wardha SD, Chandrapur

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	3.985	0.000	0.000	0.014	0.014	5	337.9	0.002	0.001	0.042	0.045	1311	167.5	0.001	0.002	0.019	0.022	318
2	3.838	0.000	0.000	0.013	0.013	4	231.9	0.000	0.000	0.044	0.044	890	164.3	0.003	0.002	0.018	0.023	324
3	3.682	0.000	0.000	0.013	0.013	4	336.8	0.002	0.001	0.041	0.044	1286	156.1	0.002	0.001	0.017	0.020	274
4	4.271	0.000	0.000	0.016	0.016	6	208.5	0.002	0.001	0.041	0.044	784	156.3	0.002	0.001	0.019	0.022	302
5	4.129	0.000	0.000	0.015	0.015	5	180.8	0.003	0.002	0.034	0.039	612	140.4	0.003	0.001	0.014	0.018	223
6	3.798	0.000	0.000	0.014	0.014	5	165.8	0.008	0.002	0.024	0.034	487	123.8	0.000	0.000	0.014	0.014	150
7	3.485	0.000	0.000	0.013	0.013	4	157.4	0.000	0.000	0.031	0.031	422	126.9	0.002	0.001	0.014	0.018	193
8	3.484	0.000	0.000	0.013	0.013	4	148.8	0.001	0.003	0.028	0.031	397	121.0	0.002	0.001	0.018	0.022	227
9	3.365	0.000	0.000	0.013	0.013	4	120.6	0.000	0.000	0.030	0.030	313	119.3	0.001	0.001	0.017	0.019	200
10	4.366	0.000	0.000	0.015	0.015	6	119.6	0.000	0.000	0.027	0.028	287	145.6	0.002	0.001	0.020	0.023	287
11	4.759	0.000	0.000	0.016	0.016	7	152.3	0.007	0.004	0.041	0.051	675	161.9	0.003	0.002	0.023	0.029	400
12	3.886	0.000	0.000	0.014	0.014	5	143.9	0.006	0.004	0.032	0.042	522	196.5	0.004	0.003	0.026	0.033	567
13	8.809	0.000	0.000	0.020	0.020	15	120.1	0.004	0.003	0.029	0.037	381	119.0	0.000	0.000	0.031	0.031	319
14	332.4	0.000	0.000	0.040	0.040	1149	99.74	0.004	0.003	0.031	0.038	331	105.9	0.003	0.002	0.026	0.030	276
15	359.7	0.000	0.000	0.045	0.045	1398	158.9	0.004	0.003	0.028	0.035	479	92.28	0.000	0.000	0.024	0.024	195
16	225.3	0.000	0.000	0.029	0.029	564	144.4	0.000	0.000	0.031	0.031	387	97.30	0.002	0.002	0.021	0.024	204
17	188.3	0.000	0.000	0.026	0.026	423	122.8	0.004	0.003	0.026	0.034	358	92.30	0.001	0.001	0.018	0.020	161
18	197.3	0.000	0.000	0.027	0.027	460	142.9	0.006	0.004	0.032	0.043	526	80.31	0.000	0.000	0.005	0.005	36
19	224.8	0.000	0.000	0.031	0.031	602	168.8	0.006	0.004	0.031	0.041	591	95.91	0.002	0.000	0.004	0.005	43
20	225.4	0.000	0.000	0.032	0.032	623	745.0	0.008	0.005	0.045	0.058	3733	117.4	0.000	0.000	0.007	0.007	69
21	173.5	0.000	0.000	0.030	0.030	450	605.7	0.009	0.007	0.048	0.063	3313	233.1	0.002	0.001	0.005	0.008	155
22	159.7	0.000	0.000	0.028	0.028	386	408.5	0.006	0.005	0.047	0.057	2026	162.2	0.002	0.002	0.007	0.011	160
23	159.8	0.000	0.000	0.028	0.028	387	274.9	0.000	0.000	0.050	0.050	1188	228.4	0.002	0.002	0.008	0.012	237
24	174.1	0.000	0.000	0.030	0.030	451	237.5	0.004	0.003	0.039	0.046	948	180.3	0.003	0.003	0.005	0.011	171
25	215.6	0.000	0.000	0.037	0.037	689	165.0	0.003	0.002	0.032	0.038	535	254.9	0.000	0.000	0.013	0.013	286
26	333.9	0.000	0.000	0.046	0.046	1327	156.1	0.003	0.002	0.031	0.036	479	361.7	0.004	0.003	0.009	0.016	500
27	188.0	0.000	0.000	0.037	0.037	601	158.3	0.003	0.002	0.031	0.036	487	321.3	0.000	0.000	0.013	0.013	361
28	171.8	0.000	0.000	0.035	0.035	519	151.4	0.002	0.001	0.030	0.034	441	498.7	0.006	0.004	0.052	0.062	2654
29	327.9	0.000	0.000	0.045	0.045	1275	145.8	0.003	0.002	0.029	0.034	427	396.8	0.004	0.002	0.044	0.050	1714
30	449.2	0.000	0.000	0.050	0.050	1940	144.4	0.000	0.000	0.033	0.033	412	407.0	0.003	0.002	0.047	0.052	1828
31							160.4	0.003	0.003	0.030	0.036	500	552.2	0.005	0.003	0.062	0.070	3339
Ten Daily Mean																		
Ten Daily I	3.840	0.000	0.000	0.014	0.014	5	200.8	0.002	0.001	0.034	0.037	679	142.1	0.002	0.001	0.017	0.020	250
Ten Daily II	177.1	0.000	0.000	0.028	0.028	525	199.9	0.005	0.003	0.033	0.041	798	115.9	0.002	0.001	0.018	0.021	227
Ten Daily III	235.4	0.000	0.000	0.037	0.037	803	237.1	0.003	0.002	0.036	0.042	978	327.0	0.003	0.002	0.024	0.029	1037
Monthly																		
Total						13319						25524						16175

Annual Sediment Load (Metric Tonnes) : 95873

Page No 164

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : SAKMUR (AGH30B6)

Local River : Wardha

Division : Wainganga Div., Nagpur

Sub-Division : Wardha SD, Chandrapur

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	646.8	0.005	0.003	0.058	0.066	3661	188.7	0.000	0.000	0.031	0.031	506	85.51	0.000	0.000	0.013	0.013	96
2	492.6	0.000	0.000	0.063	0.063	2681	176.5	0.000	0.000	0.030	0.030	457	82.97	0.000	0.000	0.011	0.011	79
3	356.4	0.000	0.000	0.060	0.060	1848	123.9	0.003	0.000	0.027	0.030	318	82.46	0.000	0.000	0.010	0.010	71
4	293.7	0.004	0.003	0.053	0.060	1522	137.3	0.002	0.000	0.027	0.029	349	70.60	0.000	0.000	0.009	0.009	55
5	296.8	0.004	0.002	0.055	0.061	1564	123.6	0.002	0.000	0.029	0.030	323	68.26	0.000	0.000	0.004	0.004	21
6	202.1	0.003	0.002	0.042	0.046	810	116.8	0.002	0.000	0.021	0.023	232	79.84	0.000	0.000	0.004	0.004	25
7	195.6	0.002	0.001	0.042	0.045	755	104.8	0.001	0.000	0.017	0.019	168	21.47	0.000	0.000	0.003	0.003	6
8	176.9	0.001	0.000	0.039	0.040	611	103.7	0.000	0.000	0.019	0.019	166	19.93	0.000	0.000	0.003	0.003	5
9	168.6	0.001	0.000	0.030	0.031	452	102.2	0.002	0.000	0.019	0.021	182	19.41	0.000	0.000	0.003	0.003	5
10	170.5	0.000	0.000	0.030	0.030	442	174.4	0.003	0.000	0.022	0.024	366	17.16	0.000	0.000	0.003	0.003	4
11	159.9	0.001	0.000	0.027	0.028	388	191.5	0.003	0.002	0.039	0.044	726	15.56	0.000	0.000	0.003	0.003	4
12	175.0	0.001	0.000	0.024	0.024	364	188.1	0.002	0.001	0.037	0.040	650	15.03	0.000	0.000	0.003	0.003	4
13	170.2	0.001	0.000	0.022	0.023	337	228.8	0.002	0.001	0.038	0.041	813	15.29	0.000	0.000	0.003	0.003	4
14	167.4	0.001	0.000	0.024	0.025	362	182.7	0.002	0.001	0.039	0.041	651	14.56	0.000	0.000	0.003	0.003	4
15	400.1	0.004	0.003	0.028	0.034	1182	178.5	0.000	0.000	0.039	0.039	594	13.75	0.000	0.000	0.003	0.003	4
16	393.9	0.003	0.002	0.027	0.033	1106	162.7	0.001	0.000	0.037	0.039	541	12.35	0.000	0.000	0.003	0.003	3
17	362.5	0.000	0.000	0.030	0.030	940	178.0	0.002	0.000	0.037	0.039	598	12.14	0.000	0.000	0.003	0.003	3
18	439.6	0.002	0.002	0.024	0.028	1067	174.5	0.002	0.000	0.036	0.038	571	11.54	0.000	0.000	0.003	0.003	3
19	402.3	0.001	0.000	0.019	0.020	695	195.0	0.000	0.000	0.038	0.038	640	8.276	0.000	0.000	0.003	0.003	2
20	402.3	0.001	0.000	0.019	0.020	695	170.4	0.001	0.000	0.037	0.038	564	7.591	0.000	0.000	0.003	0.003	2
21	406.5	0.004	0.002	0.014	0.020	702	153.2	0.002	0.000	0.035	0.037	488	6.324	0.000	0.000	0.003	0.003	1
22	414.1	0.003	0.002	0.016	0.021	751	184.6	0.000	0.000	0.038	0.038	598	5.740	0.000	0.000	0.003	0.003	1
23	395.2	0.002	0.001	0.015	0.019	649	175.2	0.002	0.000	0.033	0.035	534	4.669	0.000	0.000	0.002	0.002	1
24	390.5	0.000	0.000	0.019	0.019	624	130.4	0.002	0.000	0.029	0.031	347	4.181	0.000	0.000	0.002	0.002	1
25	411.3	0.002	0.001	0.023	0.025	888	122.4	0.002	0.000	0.029	0.030	317	1.881	0.000	0.000	0.002	0.002	0.24
26	301.1	0.002	0.001	0.027	0.030	780	109.7	0.001	0.000	0.023	0.024	223	3.297	0.000	0.000	0.002	0.002	1
27	199.9	0.001	0.001	0.018	0.020	346	107.3	0.001	0.000	0.022	0.023	209	2.900	0.000	0.000	0.002	0.002	1
28	182.2	0.001	0.000	0.019	0.020	315	105.5	0.001	0.000	0.021	0.022	196	2.243	0.000	0.000	0.002	0.002	0.39
29	172.4	0.002	0.000	0.017	0.019	276	92.28	0.000	0.000	0.020	0.020	159	1.991	0.000	0.000	0.002	0.002	0.32
30	201.5	0.000	0.000	0.020	0.020	348	97.47	0.000	0.000	0.019	0.020	164	1.994	0.000	0.000	0.002	0.002	0.32
31							91.16	0.000	0.000	0.018	0.018	145						
Ten Daily Mean																		
Ten Daily I	300.0	0.002	0.001	0.047	0.050	1435	135.2	0.001	0.000	0.024	0.026	307	54.76	0.000	0.000	0.006	0.006	37
Ten Daily II	307.3	0.002	0.001	0.024	0.026	714	185.0	0.002	0.000	0.038	0.040	635	12.61	0.000	0.000	0.003	0.003	3
Ten Daily III	307.5	0.002	0.001	0.019	0.021	568	124.5	0.001	0.000	0.026	0.027	307	3.522	0.000	0.000	0.002	0.002	1
Monthly																		
Total						27163						12797						406

Annual Sediment Load (Metric Tonnes) : 95873

Page No 165

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : SAKMUR (AGH30B6)

Local River : Wardha

Division : Wainganga Div., Nagpur

Sub-Division : Wardha SD, Chandrapur

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	2.392	0.000	0.000	0.002	0.002	0.41	36.53	0.000	0.000	0.008	0.008	25	7.082	0.000	0.000	0.001	0.001	1
2	2.392	0.000	0.000	0.002	0.002	0.41	40.44	0.000	0.000	0.009	0.009	30	6.881	0.000	0.000	0.001	0.001	1
3	2.092	0.000	0.000	0.002	0.002	0.36	34.66	0.000	0.000	0.008	0.008	24	6.874	0.000	0.000	0.001	0.001	1
4	1.890	0.000	0.000	0.002	0.002	0.31	31.65	0.000	0.000	0.008	0.008	21	6.078	0.000	0.000	0.001	0.001	0.47
5	1.749	0.000	0.000	0.002	0.002	0.29	25.63	0.000	0.000	0.006	0.006	14	6.045	0.000	0.000	0.001	0.001	0.46
6	1.731	0.000	0.000	0.002	0.002	0.28	24.09	0.000	0.000	0.006	0.006	12	3.947	0.000	0.000	0.001	0.001	0.30
7	1.559	0.000	0.000	0.002	0.002	0.24	23.86	0.000	0.000	0.005	0.005	10	3.679	0.000	0.000	0.001	0.001	0.28
8	1.115	0.000	0.000	0.002	0.002	0.17	22.49	0.000	0.000	0.005	0.005	10	4.847	0.000	0.000	0.001	0.001	0.38
9	1.115	0.000	0.000	0.002	0.002	0.17	19.79	0.000	0.000	0.004	0.004	7	5.264	0.000	0.000	0.001	0.001	0.43
10	1.115	0.000	0.000	0.002	0.002	0.17	18.17	0.000	0.000	0.004	0.004	5	4.565	0.000	0.000	0.001	0.001	0.36
11	0.753	0.000	0.000	0.002	0.002	0.12	18.23	0.000	0.000	0.004	0.004	6	5.160	0.000	0.000	0.001	0.001	0.42
12	0.652	0.000	0.000	0.002	0.002	0.08	17.46	0.000	0.000	0.003	0.003	5	3.967	0.000	0.000	0.001	0.001	0.31
13	20.26	0.000	0.000	0.002	0.002	3	18.85	0.000	0.000	0.003	0.003	5	3.549	0.000	0.000	0.001	0.001	0.26
14	25.86	0.000	0.000	0.004	0.004	9	19.87	0.000	0.000	0.003	0.003	6	3.319	0.000	0.000	0.001	0.001	0.24
15	29.11	0.000	0.000	0.006	0.006	15	19.55	0.000	0.000	0.003	0.003	6	2.978	0.000	0.000	0.001	0.001	0.22
16	24.95	0.000	0.000	0.005	0.005	11	19.08	0.000	0.000	0.003	0.003	5	4.035	0.000	0.000	0.001	0.001	0.31
17	22.72	0.000	0.000	0.005	0.005	10	21.18	0.000	0.000	0.004	0.004	7	5.252	0.000	0.000	0.001	0.001	0.43
18	19.93	0.000	0.000	0.004	0.004	7	19.55	0.000	0.000	0.003	0.003	5	7.084	0.000	0.000	0.001	0.001	1
19	23.93	0.000	0.000	0.005	0.005	10	17.83	0.000	0.000	0.003	0.003	4	8.725	0.000	0.000	0.001	0.001	1
20	22.23	0.000	0.000	0.005	0.005	10	12.77	0.000	0.000	0.002	0.002	2	15.42	0.000	0.000	0.002	0.002	3
21	20.41	0.000	0.000	0.005	0.005	9	12.64	0.000	0.000	0.001	0.001	2	14.29	0.000	0.000	0.002	0.002	2
22	18.70	0.000	0.000	0.004	0.004	6	11.79	0.000	0.000	0.001	0.001	1	11.52	0.000	0.000	0.001	0.001	1
23	16.20	0.000	0.000	0.004	0.004	6	11.11	0.000	0.000	0.001	0.001	1	8.842	0.000	0.000	0.001	0.001	1
24	11.38	0.000	0.000	0.003	0.003	2	11.05	0.000	0.000	0.001	0.001	1	8.115	0.000	0.000	0.001	0.001	1
25	12.96	0.000	0.000	0.003	0.003	3	10.17	0.000	0.000	0.001	0.001	1	7.084	0.000	0.000	0.001	0.001	1
26	15.84	0.000	0.000	0.004	0.004	5	9.090	0.000	0.000	0.001	0.001	1	6.692	0.000	0.000	0.001	0.001	1
27	34.16	0.000	0.000	0.008	0.008	24	9.074	0.000	0.000	0.001	0.001	1	5.195	0.000	0.000	0.001	0.001	0.4
28	38.45	0.000	0.000	0.009	0.009	30	8.693	0.000	0.000	0.001	0.001	1	4.834	0.000	0.000	0.001	0.001	0.4
29	33.30	0.000	0.000	0.008	0.008	23	8.544	0.000	0.000	0.001	0.001	1						
30	33.07	0.000	0.000	0.007	0.007	20	8.539	0.000	0.000	0.001	0.001	1						
31	36.57	0.000	0.000	0.008	0.008	25	6.868	0.000	0.000	0.001	0.001	1						
Ten Daily Mean																		
Ten Daily I	1.715	0.000	0.000	0.002	0.002	0.3	27.73	0.000	0.000	0.006	0.006	16	5.526	0.000	0.000	0.001	0.001	0.4
Ten Daily II	19.04	0.000	0.000	0.004	0.004	7	18.44	0.000	0.000	0.003	0.003	5	5.949	0.000	0.000	0.001	0.001	1
Ten Daily III	24.64	0.000	0.000	0.006	0.006	14	9.779	0.000	0.000	0.001	0.001	1	8.322	0.000	0.000	0.001	0.001	1
Monthly																		
Total						230						218						17

Annual Sediment Load (Metric Tonnes) : 95873

Page No 166

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : SAKMUR (AGH30B6)

Local River : Wardha

Division : Wainganga Div., Nagpur

Sub-Division : Wardha SD, Chandrapur

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	4.071	0.000	0.000	0.001	0.001	0.3	0.975	0.000	0.000	0.001	0.001	0.06	0.000	0.000	0.000	0.000	0.000	0
2	3.341	0.000	0.000	0.001	0.001	0.2	0.873	0.000	0.000	0.001	0.001	0.05	0.000	0.000	0.000	0.000	0.000	0
3	4.008	0.000	0.000	0.001	0.001	0.3	0.857	0.000	0.000	0.001	0.001	0.05	0.000	0.000	0.000	0.000	0.000	0
4	3.117	0.000	0.000	0.001	0.001	0.2	0.581	0.000	0.000	0.001	0.001	0.04	0.000	0.000	0.000	0.000	0.000	0
5	2.814	0.000	0.000	0.001	0.001	0.2	0.426	0.000	0.000	0.001	0.001	0.03	0.000	0.000	0.000	0.000	0.000	0
6	2.494	0.000	0.000	0.001	0.001	0.2	0.359	0.000	0.000	0.001	0.001	0.02	0.000	0.000	0.000	0.000	0.000	0
7	2.009	0.000	0.000	0.001	0.001	0.1	0.243	0.000	0.000	0.001	0.001	0.01	0.000	0.000	0.000	0.000	0.000	0
8	1.752	0.000	0.000	0.001	0.001	0.1	0.153	0.000	0.000	0.001	0.001	0.01	0.000	0.000	0.000	0.000	0.000	0
9	1.576	0.000	0.000	0.001	0.001	0.1	0.085	0.000	0.000	0.001	0.001	0.004	0.000	0.000	0.000	0.000	0.000	0
10	1.464	0.000	0.000	0.001	0.001	0.1	0.039	0.000	0.000	0.001	0.001	0.002	0.000	0.000	0.000	0.000	0.000	0
11	1.489	0.000	0.000	0.001	0.001	0.1	0.023	0.000	0.000	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0
12	1.458	0.000	0.000	0.001	0.001	0.1	0.023	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0
13	1.423	0.000	0.000	0.001	0.001	0.1	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0
14	0.947	0.000	0.000	0.001	0.001	0.1	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0
15	0.848	0.000	0.000	0.001	0.001	0.1	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0
16	5.351	0.000	0.000	0.001	0.001	0.4	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0
17	6.707	0.000	0.000	0.001	0.001	1	0.001	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	6.404	0.000	0.000	0.001	0.001	1	0.001	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	6.410	0.000	0.000	0.001	0.001	1	0.001	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	4.943	0.000	0.000	0.001	0.001	0.4	0.001	0.000	0.000	0.004	0.004	0.0004	0.000	0.000	0.000	0.000	0.000	0
21	4.592	0.000	0.000	0.001	0.001	0.4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	4.155	0.000	0.000	0.001	0.001	0.3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	2.970	0.000	0.000	0.001	0.001	0.2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	2.817	0.000	0.000	0.001	0.001	0.2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	2.310	0.000	0.000	0.001	0.001	0.2	0.000	0.000	0.000	0.000	0.000	0	2.704	0.000	0.000	0.001	0.001	0.12
26	1.957	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	3.066	0.000	0.000	0.001	0.001	0.16
27	1.801	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	2.499	0.000	0.000	0.001	0.001	0.11
28	1.657	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	1.348	0.000	0.000	0.000	0.000	0.03
29	1.489	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	3.448	0.000	0.000	0.001	0.001	0.2
30	1.348	0.000	0.000	0.001	0.001	0.1	0.000	0.000	0.000	0.000	0.000	0	10.75	0.000	0.000	0.010	0.010	9
31	0.991	0.000	0.000	0.001	0.001	0.1							8.230	0.000	0.000	0.010	0.010	7
Ten Daily Mean																		
Ten Daily I	2.665	0.000	0.000	0.001	0.001	0.2	0.459	0.000	0.000	0.001	0.001	0.03	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	3.598	0.000	0.000	0.001	0.001	0.3	0.008	0.000	0.000	0.001	0.001	0.00	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	2.371	0.000	0.000	0.001	0.001	0.2	0.000	0.000	0.000	0.000	0.000	0.00	2.913	0.000	0.000	0.002	0.002	2
Monthly																		
Total						7						0						17

Annual Sediment Load (Metric Tonnes) : 95873

Page No 167

Annual Sediment Load for period : 2014-2018

Station Name : SAKMUR (AGH30B6)

Division : Wainganga Div., Nagpur

Local River : Wardha

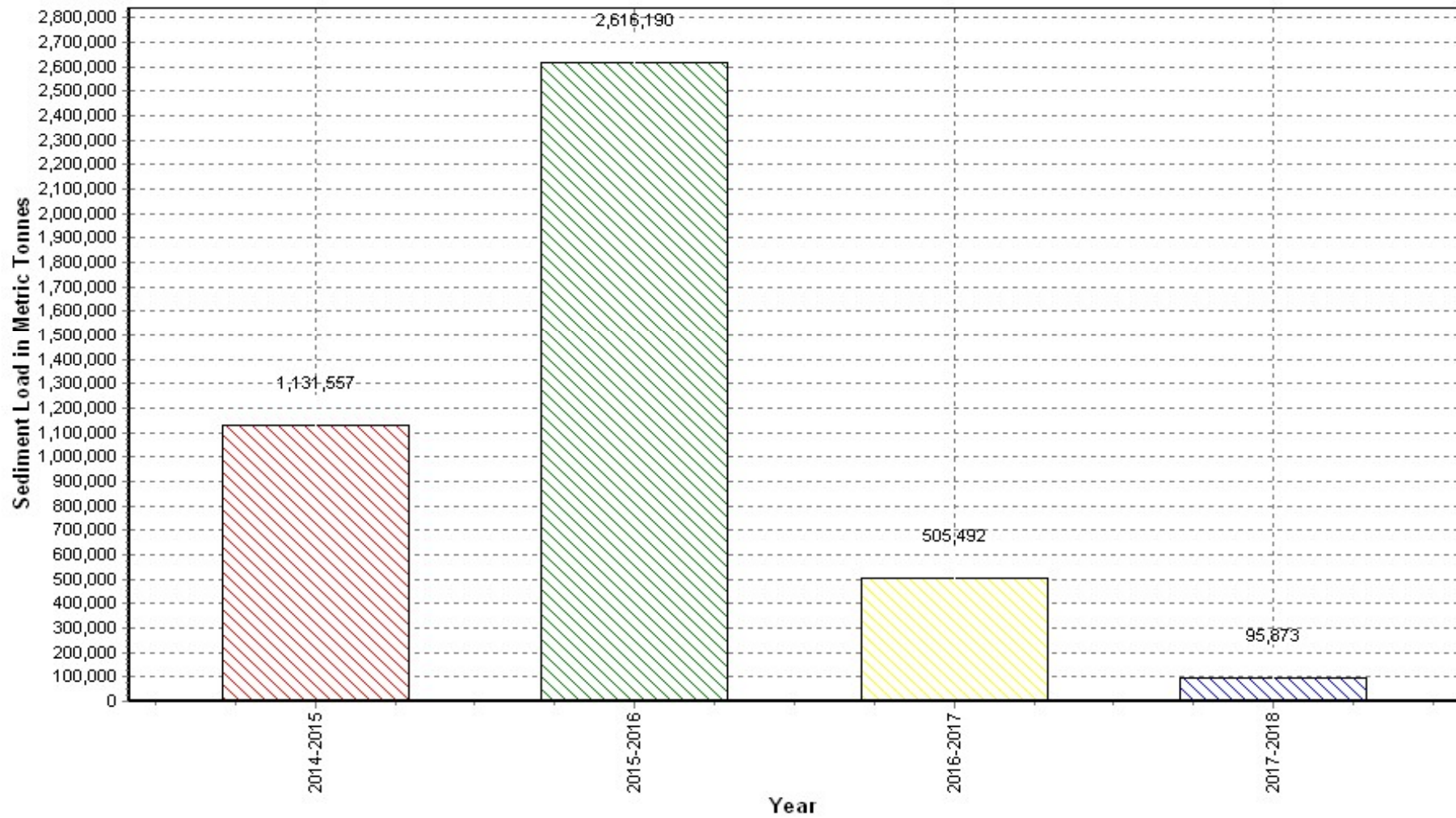
Sub-Division : Wardha SD, Chandrapur

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2014-2015	1130739	817	1131557	6486
2015-2016	2616095	95	2616190	7184
2016-2017	504901	591	505492	9892
2017-2018	95384	489	95873	2828

Annual Sediment Load for the period: 2014-2018

Station Name : SAKMUR (AGH30B6)
Local River : Wardha

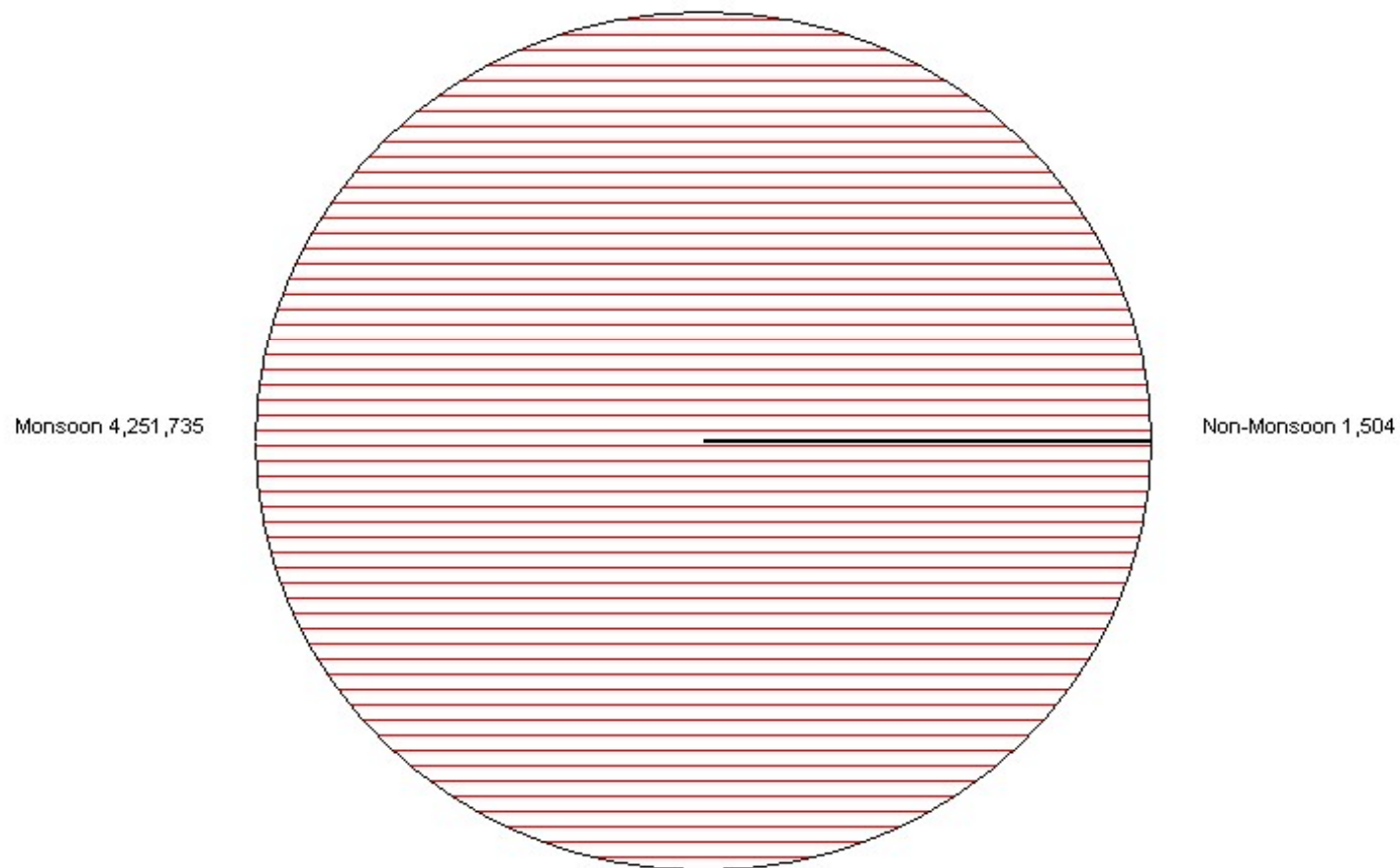
Division : Wainganga Div., Nagpur
Sub-Division : Wardha SD, Chandrapur



Station Name : SAKMUR (AGH30B6)
Local River : Wardha

Seasonal Sediment Load for the period : 2014-2017

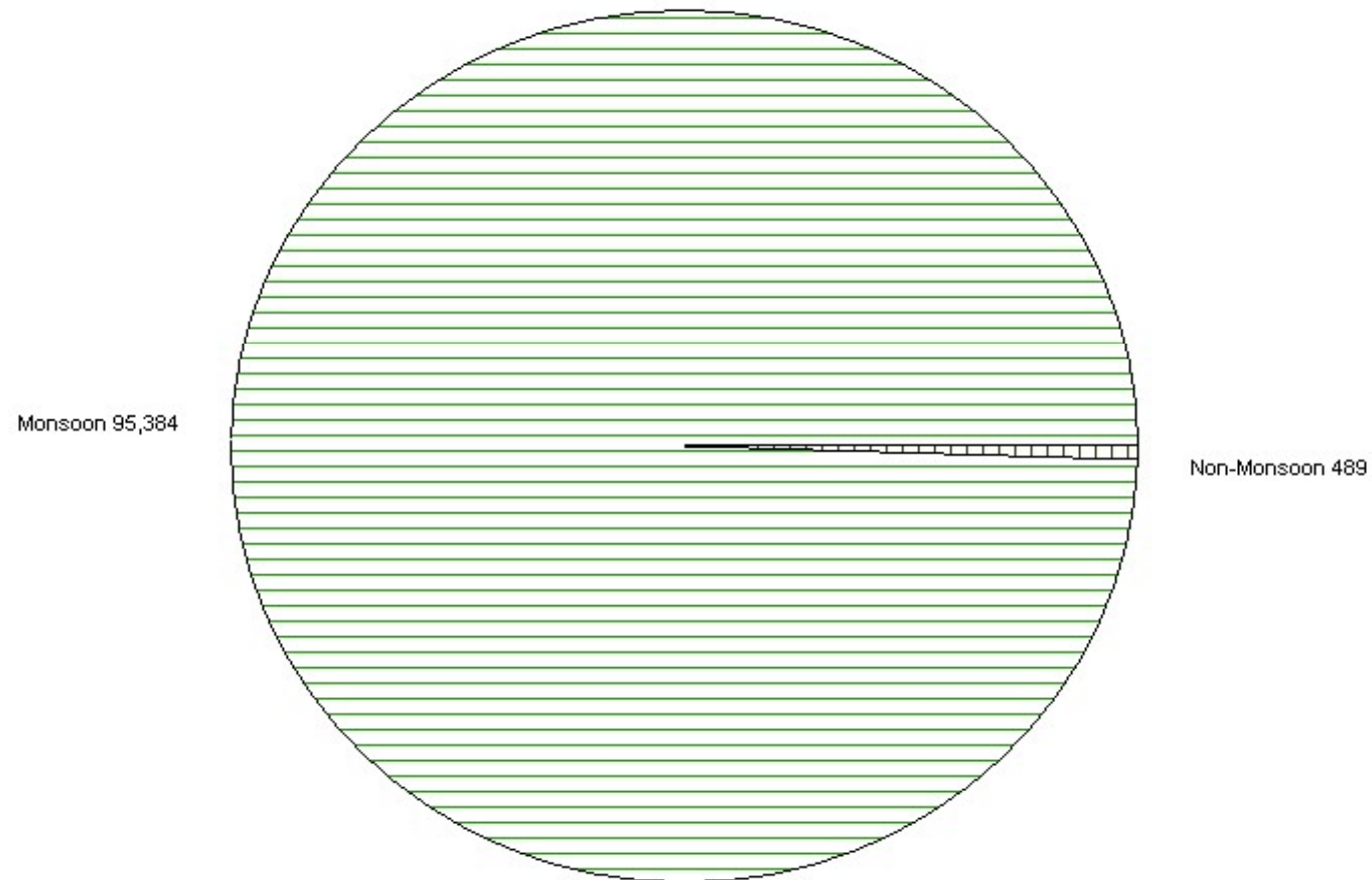
Division : Wainganga Div., Nagpur
Sub-Division : Wardha SD, Chandrapur



Seasonal Sediment Load for the Year: 2017-2018

Station Name : SAKMUR (AGH30B6)
Local River : Wardha

Division : Wainganga Div., Nagpur
Sub-Division : Wardha SD, Chandrapur



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : WARDHA AT SAKMUR CODE : AGH30B6
 MEASURING : WDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 09-06-17)

Discharge Observed	: 4.211 cumec	Water edge RB	: 54.50 m LB	: 0.00 m
Area of section	: 27.76 sq.m	Mean Velocity	:	0.1517 m/sec
Wetted perimeter	: 120.018 m	Hydraulic Mean Depth	:	0.2313 m
Sl. No	R.D. of sampling point in meters	R.L. of bed in meters	Mean diameter in mm	Remarks
1	100	149.190	0.59	Av. mean
2	200	149.000	0.74	dia "m" = 0.66
3	300	149.460	0.73	Silt factor
4	400	150.873	0.55	"f" = 1.76 $\sqrt{m}$
5	500	151.530	0.70	= 1.43

Note : i) Discharge observation was at Temporary Section.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

Monsoon Survey (Date 28-09-17)

Discharge Observed	: 182.229 cumec	Water edge RB	: 512.00 m LB	: 32.00 m
Area of section	: 752.4 sq.m	Mean Velocity	:	0.2422 m/sec
Wetted perimeter	: 480.109 m	Hydraulic Mean Depth	:	1.567 m
Sl. No	R.D. of sampling point in meters	R.L. of bed in meters	Mean diameter in mm	Remarks
1	100	149.390	1.77	Av. mean
2	200	149.710	2.31	dia "m" = 2.03
3	300	150.280	1.16	Silt factor
4	400	151.920	2.66	"f" = 1.76 $\sqrt{m}$
5	500	151.430	2.25	= 2.50

Note : i) Discharge observation was at station gauge line.
 ii) River bed : flowing water.
 iii) Water flows in single channel.

Postmonsoon Survey (Date 13-01-18)

Discharge Observed	: 18.853 cumec	Water edge RB	: 204.00 m LB	: 00.00 m
Area of section	: 78.96 sq.m	Mean Velocity	:	0.2388 m/sec
Wetted perimeter	: 204.022 m	Hydraulic Mean Depth	:	0.3870 m
Sl. No	R.D. of sampling point in meters	R.L. of bed in meters	Mean diameter in mm	Remarks
1	100	149.670	1.89	Av. mean
2	200	149.210	2.02	dia "m" = 1.84
3	300	149.770	1.62	Silt factor
4	400	150.430	2.27	"f" = 1.76 $\sqrt{m}$
5	500	151.350	1.38	= 2.39

Note : i) Discharge observation was at station gauge line.
 ii) River bed: flowing water.
 iii) Water flows in single channel.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: Mancherial	Code	: AG000J3
State	: Andhra Pradesh	District	Adilabad
Basin	: Godavari	Independent River	: Godavari
Tributary	: -	Sub Tributary	: -
Sub-Sub Tributary	: -	Local River	: Godavari
Division	: Upper Godavari Div., Hyderabad	Sub-Division	: Manjira SD, Nizamabad
Drainage Area	: 102900 Sq. Km.	Bank	: Right
Latitude	: 18°50'08"	Longitude	: 79°26'41"
Zero of Gauge (m)	: 124.316 (m.s.l)	03/07/1964	
	Opening Date	Closing Date	
Gauge	: 01/03/1964		
Discharge	: 01/06/1966		
Sediment	: 01/06/1966		
Water Quality	: 01/12/1979		

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Mancherla (AG000J3)

Local River : Godavari

Division : Upper Godavari Div., Hyderabad

Sub-Division : Manjira SD, Nizamabad

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	4.000	0.000	0.000	0.046	0.046	16
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.926	0.000	0.000	0.046	0.046	16
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.881	0.000	0.000	0.046	0.046	15
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.677	0.000	0.000	0.046	0.046	15
5	0.000	0.000	0.000	0.000	0.000	0	5.107	0.000	0.000	0.046	0.046	20	3.577	0.000	0.000	0.046	0.046	14
6	0.000	0.000	0.000	0.000	0.000	0	5.183	0.000	0.000	0.046	0.046	21	3.009	0.000	0.000	0.046	0.046	12
7	0.000	0.000	0.000	0.000	0.000	0	8.916	0.000	0.000	0.046	0.046	35	2.592	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	8.748	0.000	0.000	0.046	0.046	35	2.026	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	3.735	0.000	0.000	0.046	0.046	15	1.990	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	5.725	0.000	0.000	0.046	0.046	23	1.766	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	4.898	0.000	0.000	0.046	0.046	19	1.729	0.000	0.000	0.000	0.000	0
12	12.22	0.000	0.000	0.069	0.069	73	7.118	0.000	0.000	0.056	0.056	34	1.965	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	7.273	0.000	0.000	0.056	0.056	35	3.477	0.000	0.000	0.046	0.046	14
14	0.000	0.000	0.000	0.000	0.000	0	8.161	0.000	0.000	0.056	0.056	39	5.039	0.000	0.000	0.046	0.046	20
15	0.000	0.000	0.000	0.000	0.000	0	8.257	0.000	0.000	0.056	0.056	40	3.735	0.000	0.000	0.046	0.046	15
16	0.000	0.000	0.000	0.000	0.000	0	4.455	0.000	0.000	0.046	0.046	18	4.335	0.000	0.000	0.046	0.046	17
17	0.000	0.000	0.000	0.000	0.000	0	8.734	0.000	0.000	0.056	0.056	42	2.658	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	9.082	0.000	0.000	0.056	0.056	44	2.828	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	9.152	0.000	0.000	0.056	0.056	44	2.822	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	8.968	0.000	0.000	0.056	0.056	43	3.236	0.000	0.000	0.046	0.046	13
21	0.000	0.000	0.000	0.000	0.000	0	8.904	0.000	0.000	0.056	0.056	43	5.671	0.000	0.000	0.046	0.046	23
22	0.000	0.000	0.000	0.000	0.000	0	8.667	0.000	0.000	0.056	0.056	42	5.732	0.000	0.000	0.046	0.046	23
23	0.000	0.000	0.000	0.000	0.000	0	4.613	0.000	0.000	0.046	0.046	18	4.147	0.000	0.000	0.046	0.046	16
24	0.000	0.000	0.000	0.000	0.000	0	7.591	0.000	0.000	0.056	0.056	37	2.614	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	6.771	0.000	0.000	0.056	0.056	33	3.009	0.000	0.000	0.046	0.046	12
26	0.000	0.000	0.000	0.000	0.000	0	5.821	0.000	0.000	0.046	0.046	23	2.853	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	5.698	0.000	0.000	0.046	0.046	23	7.668	0.000	0.000	0.056	0.056	37
28	0.000	0.000	0.000	0.000	0.000	0	5.689	0.000	0.000	0.046	0.046	23	6.268	0.000	0.000	0.056	0.056	30
29	0.000	0.000	0.000	0.000	0.000	0	4.289	0.000	0.000	0.046	0.046	17	7.965	0.000	0.000	0.056	0.056	39
30	0.000	0.000	0.000	0.000	0.000	0	3.477	0.000	0.000	0.046	0.046	14	7.547	0.000	0.000	0.056	0.056	37
31							4.079	0.000	0.000	0.046	0.046	16	5.972	0.000	0.000	0.056	0.056	29
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	3.741	0.000	0.000	0.028	0.028	15	3.044	0.000	0.000	0.028	0.028	9
Ten Daily II	1.222	0.000	0.000	0.007	0.007	7	7.610	0.000	0.000	0.054	0.054	36	3.182	0.000	0.000	0.023	0.023	8
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	5.964	0.000	0.000	0.050	0.050	26	5.404	0.000	0.000	0.042	0.042	22
Monthly																		

Total

73

797

412

Annual Sediment Load (Metric Tonnes) : 10307

Page No 174

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Mancherla (AG000J3)

Local River : Godavari

Division : Upper Godavari Div., Hyderabad

Sub-Division : Manjira SD, Nizamabad

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	4.825	0.000	0.000	0.046	0.046	19	8.189	0.000	0.000	0.042	0.042	30	4.470	0.000	0.000	0.053	0.053	20
2	3.870	0.000	0.000	0.046	0.046	15	9.030	0.000	0.000	0.043	0.043	33	4.400	0.000	0.000	0.052	0.052	20
3	132.9	0.000	0.000	0.005	0.005	56	36.51	0.000	0.000	0.042	0.042	132	4.350	0.000	0.000	0.054	0.054	20
4	29.77	0.000	0.000	0.053	0.053	136	43.92	0.000	0.000	0.030	0.030	115	4.267	0.000	0.000	0.057	0.057	21
5	24.67	0.000	0.000	0.051	0.051	108	44.66	0.000	0.000	0.031	0.031	118	5.868	0.000	0.000	0.057	0.057	29
6	19.01	0.000	0.000	0.061	0.061	100	27.62	0.000	0.000	0.027	0.027	65	4.108	0.000	0.000	0.052	0.052	19
7	23.23	0.000	0.000	0.089	0.089	178	24.90	0.000	0.000	0.039	0.039	85	4.108	0.000	0.000	0.054	0.054	19
8	16.15	0.000	0.000	0.053	0.053	74	60.48	0.000	0.000	0.045	0.045	235	3.653	0.000	0.000	0.055	0.055	17
9	15.04	0.000	0.000	0.070	0.070	91	66.99	0.000	0.000	0.048	0.048	277	3.709	0.000	0.000	0.053	0.053	17
10	4.455	0.000	0.000	0.047	0.047	18	38.70	0.000	0.000	0.058	0.058	193	3.713	0.000	0.000	0.056	0.056	18
11	10.97	0.000	0.000	0.047	0.047	44	86.53	0.000	0.000	0.056	0.056	416	3.700	0.000	0.000	0.056	0.056	18
12	4.501	0.000	0.000	0.078	0.078	30	236.6	0.000	0.000	0.057	0.057	1155	5.481	0.000	0.000	0.056	0.056	26
13	11.69	0.000	0.000	0.069	0.069	69	112.9	0.000	0.000	0.048	0.048	468	3.691	0.000	0.000	0.052	0.052	16
14	11.32	0.000	0.000	0.047	0.047	46	85.49	0.000	0.000	0.044	0.044	324	3.691	0.000	0.000	0.050	0.050	16
15	9.955	0.000	0.000	0.069	0.069	59	87.02	0.000	0.000	0.044	0.044	329	3.513	0.000	0.000	0.054	0.054	16
16	21.09	0.000	0.000	0.118	0.118	215	85.55	0.000	0.000	0.044	0.044	324	3.504	0.000	0.000	0.054	0.054	16
17	11.30	0.000	0.000	0.035	0.035	34	23.80	0.000	0.000	0.039	0.039	81	3.454	0.000	0.000	0.055	0.055	16
18	12.70	0.000	0.000	0.035	0.035	38	23.69	0.000	0.000	0.055	0.055	112	3.610	0.000	0.000	0.054	0.054	17
19	10.90	0.000	0.000	0.025	0.025	24	52.93	0.000	0.000	0.067	0.067	306	5.481	0.000	0.000	0.054	0.054	26
20	9.710	0.000	0.000	0.060	0.060	50	15.34	0.000	0.000	0.067	0.067	89	3.927	0.000	0.000	0.056	0.056	19
21	4.769	0.000	0.000	0.059	0.059	24	8.595	0.000	0.000	0.058	0.058	43	4.169	0.000	0.000	0.057	0.057	20
22	4.618	0.000	0.000	0.049	0.049	20	8.461	0.000	0.000	0.058	0.058	42	4.236	0.000	0.000	0.055	0.055	20
23	5.112	0.000	0.000	0.046	0.046	20	6.528	0.000	0.000	0.054	0.054	30	5.576	0.000	0.000	0.054	0.054	26
24	7.419	0.000	0.000	0.046	0.046	29	8.148	0.000	0.000	0.049	0.049	34	5.170	0.000	0.000	0.054	0.054	24
25	4.554	0.000	0.000	0.045	0.045	18	6.512	0.000	0.000	0.059	0.059	33	4.342	0.000	0.000	0.055	0.055	20
26	4.838	0.000	0.000	0.038	0.038	16	6.106	0.000	0.000	0.055	0.055	29	5.868	0.000	0.000	0.064	0.064	32
27	3.827	0.000	0.000	0.042	0.042	14	5.545	0.000	0.000	0.058	0.058	28	3.928	0.000	0.000	0.055	0.055	19
28	3.639	0.000	0.000	0.047	0.047	15	4.819	0.000	0.000	0.056	0.056	23	3.957	0.000	0.000	0.055	0.055	19
29	4.228	0.000	0.000	0.075	0.075	27	6.278	0.000	0.000	0.056	0.056	30	3.967	0.000	0.000	0.057	0.057	19
30	10.27	0.000	0.000				4.717	0.000	0.000	0.054	0.054	22	4.174	0.000	0.000	0.056	0.056	20
31							4.479	0.000	0.000	0.048	0.048	19						
Ten Daily Mean																		
Ten Daily I	27.40	0.000	0.000	0.052	0.052	80	36.10	0.000	0.000	0.040	0.040	128	4.265	0.000	0.000	0.054	0.054	20
Ten Daily II	11.41	0.000	0.000	0.058	0.058	61	80.99	0.000	0.000	0.052	0.052	360	4.005	0.000	0.000	0.054	0.054	19
Ten Daily III	5.327	0.000	0.000	0.050	0.050	20	6.381	0.000	0.000	0.055	0.055	30	4.539	0.000	0.000	0.056	0.056	22
Monthly																		
Total						1588						5219						608

Annual Sediment Load (Metric Tonnes) : 10307

Page No 175

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Mancherla (AG000J3)

Local River : Godavari

Division : Upper Godavari Div., Hyderabad

Sub-Division : Manjira SD, Nizamabad

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	4.192	0.000	0.000	0.056	0.056	20	3.027	0.000	0.000	0.052	0.052	14	1.951	0.000	0.000	0.000	0.000	0
2	5.510	0.000	0.000	0.056	0.056	27	2.967	0.000	0.000	0.000	0.000	0	1.911	0.000	0.000	0.000	0.000	0
3	5.510	0.000	0.000	0.056	0.056	27	2.877	0.000	0.000	0.000	0.000	0	1.880	0.000	0.000	0.000	0.000	0
4	5.513	0.000	0.000	0.054	0.054	26	2.770	0.000	0.000	0.000	0.000	0	1.880	0.000	0.000	0.000	0.000	0
5	5.519	0.000	0.000	0.054	0.054	26	2.705	0.000	0.000	0.000	0.000	0	1.845	0.000	0.000	0.000	0.000	0
6	5.748	0.000	0.000	0.054	0.054	27	2.679	0.000	0.000	0.000	0.000	0	1.886	0.000	0.000	0.000	0.000	0
7	5.678	0.000	0.000	0.054	0.054	26	2.325	0.000	0.000	0.000	0.000	0	1.883	0.000	0.000	0.000	0.000	0
8	5.642	0.000	0.000	0.054	0.054	26	2.363	0.000	0.000	0.000	0.000	0	1.709	0.000	0.000	0.000	0.000	0
9	5.630	0.000	0.000	0.054	0.054	26	2.262	0.000	0.000	0.000	0.000	0	1.476	0.000	0.000	0.000	0.000	0
10	5.250	0.000	0.000	0.054	0.054	24	2.300	0.000	0.000	0.000	0.000	0	1.590	0.000	0.000	0.000	0.000	0
11	4.931	0.000	0.000	0.059	0.059	25	2.325	0.000	0.000	0.000	0.000	0	1.550	0.000	0.000	0.000	0.000	0
12	4.948	0.000	0.000	0.059	0.059	25	2.336	0.000	0.000	0.000	0.000	0	1.530	0.000	0.000	0.000	0.000	0
13	4.998	0.000	0.000	0.059	0.059	25	2.269	0.000	0.000	0.000	0.000	0	1.501	0.000	0.000	0.000	0.000	0
14	5.328	0.000	0.000	0.059	0.059	27	2.300	0.000	0.000	0.000	0.000	0	1.436	0.000	0.000	0.000	0.000	0
15	5.276	0.000	0.000	0.059	0.059	27	2.269	0.000	0.000	0.000	0.000	0	1.451	0.000	0.000	0.000	0.000	0
16	5.057	0.000	0.000	0.059	0.059	26	2.164	0.000	0.000	0.000	0.000	0	1.456	0.000	0.000	0.000	0.000	0
17	5.690	0.000	0.000	0.059	0.059	29	2.131	0.000	0.000	0.000	0.000	0	1.575	0.000	0.000	0.000	0.000	0
18	5.688	0.000	0.000	0.051	0.051	25	2.094	0.000	0.000	0.000	0.000	0	4.120	0.000	0.000	0.057	0.057	20
19	5.653	0.000	0.000	0.051	0.051	25	2.058	0.000	0.000	0.000	0.000	0	5.883	0.000	0.000	0.057	0.057	29
20	5.384	0.000	0.000	0.051	0.051	24	2.091	0.000	0.000	0.000	0.000	0	7.632	0.000	0.000	0.057	0.057	37
21	5.331	0.000	0.000	0.051	0.051	24	2.091	0.000	0.000	0.000	0.000	0	8.464	0.000	0.000	0.057	0.057	42
22	5.272	0.000	0.000	0.051	0.051	23	1.991	0.000	0.000	0.000	0.000	0	8.494	0.000	0.000	0.057	0.057	42
23	5.236	0.000	0.000	0.051	0.051	23	1.938	0.000	0.000	0.000	0.000	0	7.549	0.000	0.000	0.057	0.057	37
24	5.230	0.000	0.000	0.051	0.051	23	1.898	0.000	0.000	0.000	0.000	0	4.698	0.000	0.000	0.057	0.057	23
25	5.230	0.000	0.000	0.051	0.051	23	1.849	0.000	0.000	0.000	0.000	0	3.340	0.000	0.000	0.057	0.057	16
26	4.080	0.000	0.000	0.056	0.056	20	1.849	0.000	0.000	0.000	0.000	0	3.397	0.000	0.000	0.053	0.053	16
27	3.412	0.000	0.000	0.056	0.056	16	1.738	0.000	0.000	0.000	0.000	0	3.304	0.000	0.000	0.053	0.053	15
28	3.315	0.000	0.000	0.056	0.056	16	1.750	0.000	0.000	0.000	0.000	0	3.226	0.000	0.000	0.053	0.053	15
29	3.166	0.000	0.000	0.056	0.056	15	1.901	0.000	0.000	0.000	0.000	0						
30	3.079	0.000	0.000	0.056	0.056	15	1.953	0.000	0.000	0.000	0.000	0						
31	3.315	0.000	0.000	0.056	0.056	16	2.010	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	5.419	0.000	0.000	0.054	0.054	25	2.628	0.000	0.000	0.005	0.005	1	1.801	0.000	0.000	0.000	0.000	0
Ten Daily II	5.295	0.000	0.000	0.056	0.056	26	2.204	0.000	0.000	0.000	0.000	0	2.813	0.000	0.000	0.017	0.017	9
Ten Daily III	4.242	0.000	0.000	0.054	0.054	20	1.906	0.000	0.000	0.000	0.000	0	5.309	0.000	0.000	0.055	0.055	26
Monthly																		
Total						727						14						292

Annual Sediment Load (Metric Tonnes) : 10307

Page No 176

Daily Observed Sediment Datasheet for period : 2017-2018

Station Name : Mancherla (AG000J3)

Local River : Godavari

Division : Upper Godavari Div., Hyderabad

Sub-Division : Manjira SD, Nizamabad

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	2.139	0.000	0.000	0.000	0.000	0	2.210	0.000	0.000	0.000	0.000	0	3.034	0.000	0.000	0.053	0.053	14
2	1.600	0.000	0.000	0.000	0.000	0	2.534	0.000	0.000	0.000	0.000	0	4.060	0.000	0.000	0.053	0.053	19
3	1.552	0.000	0.000	0.000	0.000	0	2.543	0.000	0.000	0.000	0.000	0	4.443	0.000	0.000	0.053	0.053	20
4	1.520	0.000	0.000	0.000	0.000	0	2.490	0.000	0.000	0.000	0.000	0	4.428	0.000	0.000	0.053	0.053	20
5	1.521	0.000	0.000	0.000	0.000	0	2.691	0.000	0.000	0.000	0.000	0	4.401	0.000	0.000	0.053	0.053	20
6	1.536	0.000	0.000	0.000	0.000	0	2.331	0.000	0.000	0.000	0.000	0	4.410	0.000	0.000	0.053	0.053	20
7	1.371	0.000	0.000	0.000	0.000	0	2.462	0.000	0.000	0.000	0.000	0	4.293	0.000	0.000	0.053	0.053	20
8	1.148	0.000	0.000	0.000	0.000	0	2.460	0.000	0.000	0.000	0.000	0	4.335	0.000	0.000	0.053	0.053	20
9	1.269	0.000	0.000	0.000	0.000	0	2.646	0.000	0.000	0.000	0.000	0	4.372	0.000	0.000	0.053	0.053	20
10	1.268	0.000	0.000	0.000	0.000	0	2.354	0.000	0.000	0.000	0.000	0	3.201	0.000	0.000	0.053	0.053	15
11	1.270	0.000	0.000	0.000	0.000	0	2.399	0.000	0.000	0.000	0.000	0	2.733	0.000	0.000	0.000	0.000	0
12	1.494	0.000	0.000	0.000	0.000	0	2.352	0.000	0.000	0.000	0.000	0	2.483	0.000	0.000	0.000	0.000	0
13	1.463	0.000	0.000	0.000	0.000	0	2.230	0.000	0.000	0.000	0.000	0	1.930	0.000	0.000	0.000	0.000	0
14	1.422	0.000	0.000	0.000	0.000	0	2.132	0.000	0.000	0.000	0.000	0	1.993	0.000	0.000	0.000	0.000	0
15	1.413	0.000	0.000	0.000	0.000	0	2.130	0.000	0.000	0.000	0.000	0	1.902	0.000	0.000	0.000	0.000	0
16	2.371	0.000	0.000	0.000	0.000	0	2.004	0.000	0.000	0.000	0.000	0	1.858	0.000	0.000	0.000	0.000	0
17	6.310	0.000	0.000	0.054	0.054	30	1.649	0.000	0.000	0.000	0.000	0	1.843	0.000	0.000	0.000	0.000	0
18	7.300	0.000	0.000	0.054	0.054	34	1.635	0.000	0.000	0.000	0.000	0	1.819	0.000	0.000	0.000	0.000	0
19	7.308	0.000	0.000	0.054	0.054	34	1.878	0.000	0.000	0.000	0.000	0	1.835	0.000	0.000	0.000	0.000	0
20	7.241	0.000	0.000	0.054	0.054	34	2.022	0.000	0.000	0.000	0.000	0	1.840	0.000	0.000	0.000	0.000	0
21	7.734	0.000	0.000	0.054	0.054	36	1.896	0.000	0.000	0.000	0.000	0	1.765	0.000	0.000	0.000	0.000	0
22	7.305	0.000	0.000	0.054	0.054	34	1.635	0.000	0.000	0.000	0.000	0	1.723	0.000	0.000	0.000	0.000	0
23	7.032	0.000	0.000	0.054	0.054	33	1.146	0.000	0.000	0.000	0.000	0	1.673	0.000	0.000	0.000	0.000	0
24	7.211	0.000	0.000	0.054	0.054	34	1.095	0.000	0.000	0.000	0.000	0	1.751	0.000	0.000	0.000	0.000	0
25	7.032	0.000	0.000	0.054	0.054	33	0.799	0.000	0.000	0.000	0.000	0	1.772	0.000	0.000	0.000	0.000	0
26	4.868	0.000	0.000	0.051	0.051	22	0.928	0.000	0.000	0.000	0.000	0	1.754	0.000	0.000	0.000	0.000	0
27	4.307	0.000	0.000	0.051	0.051	19	0.970	0.000	0.000	0.000	0.000	0	1.750	0.000	0.000	0.000	0.000	0
28	3.029	0.000	0.000	0.051	0.051	13	0.960	0.000	0.000	0.000	0.000	0	1.722	0.000	0.000	0.000	0.000	0
29	2.650	0.000	0.000	0.051	0.051	12	0.960	0.000	0.000	0.000	0.000	0	1.729	0.000	0.000	0.000	0.000	0
30	2.650	0.000	0.000	0.051	0.051	12	1.150	0.000	0.000	0.000	0.000	0	1.531	0.000	0.000	0.000	0.000	0
31	2.369	0.000	0.000	0.051	0.051	11							1.343	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	1.492	0.000	0.000	0.000	0.000	0	2.472	0.000	0.000	0.000	0.000	0	4.098	0.000	0.000	0.053	0.053	19
Ten Daily II	3.759	0.000	0.000	0.022	0.022	13	2.043	0.000	0.000	0.000	0.000	0	2.024	0.000	0.000	0.000	0.000	0
Ten Daily III	5.108	0.000	0.000	0.053	0.053	24	1.154	0.000	0.000	0.000	0.000	0	1.683	0.000	0.000	0.000	0.000	0
Monthly																		
Total						391						0						189

Annual Sediment Load (Metric Tonnes) : 10307

Page No 177

Annual Sediment Load for period : 1969-2018**Station Name : Mancherla (AG000J3)****Division : Upper Godavari Div., Hyderabad****Local River : Godavari****Sub-Division : Manjira SD, Nizamabad**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1969-1970	78613558	7905	78621463	24955
1970-1971	44288968	11226	44300194	28311
1971-1972	10270518	1882	10272399	8248
1972-1973	674300	682	674982	2679
1973-1974	31324503	6146	31330649	19233
1974-1975	4050979	4270	4055249	6470
1975-1976	17955502	5904	17961406	30126
1976-1977	4878533	3542	4882075	16838
1977-1978	8023451	38383	8061834	8158
1978-1979	3773692	7801	3781493	14802
1979-1980	4351396	15903	4367298	7712
1980-1981	8126032	1849	8127881	12678
1981-1982	3630361	1662	3632024	11152
1982-1983	1499461	5788	1505249	4431
1983-1984	19920325	7154	19927478	45514
1984-1985	201536	8505	210041	1997
1985-1986	355285	4870	360156	2083
1986-1987	4475164	1932	4477097	4664
1987-1988	172203	0	172203	1877
1988-1989	7997362	4708	8002070	35590
1989-1990	0	0	0	22400
1990-1991	12646554	0	12646554	28760
1991-1992	1802150	0	1802150	7288
1992-1993	701896	0	701896	4827
1993-1994	158075	0	158075	2874
1994-1995	388671	0	388671	4113
1995-1996	4144891	0	4144891	9444
1996-1997	411357	0	411357	6446
1997-1998	50894	0	50894	1542
1998-1999	1641635	0	1641635	15812
1999-2000	378469	0	378469	6275
2000-2001	1862749	4050	1866799	11306
2001-2002	196564	287	196851	3929
2002-2003	1274204	126	1274330	2573
2003-2004	548561	553	549114	3320
2004-2005	64799	1694	66493	290
2005-2006	2551494	5313	2556806	11141
2006-2007	2559707	5597	2565304	15115
2007-2008	39357	3627	42985	1110
2008-2009	274818	2339	277157	2340
2009-2010	22044	333	22377	464
2010-2011	1584112	5159	1589271	9767
2011-2012	301240	760	302000	2647
2012-2013	213005	2434	215439	2224
2013-2014	969254	5642	974895	7489
2014-2015	89994	682	90676	1017

Annual Sediment Load for period : 1969-2018

Station Name : Mancherla (AG000J3)

Division : Upper Godavari Div., Hyderabad

Local River : Godavari

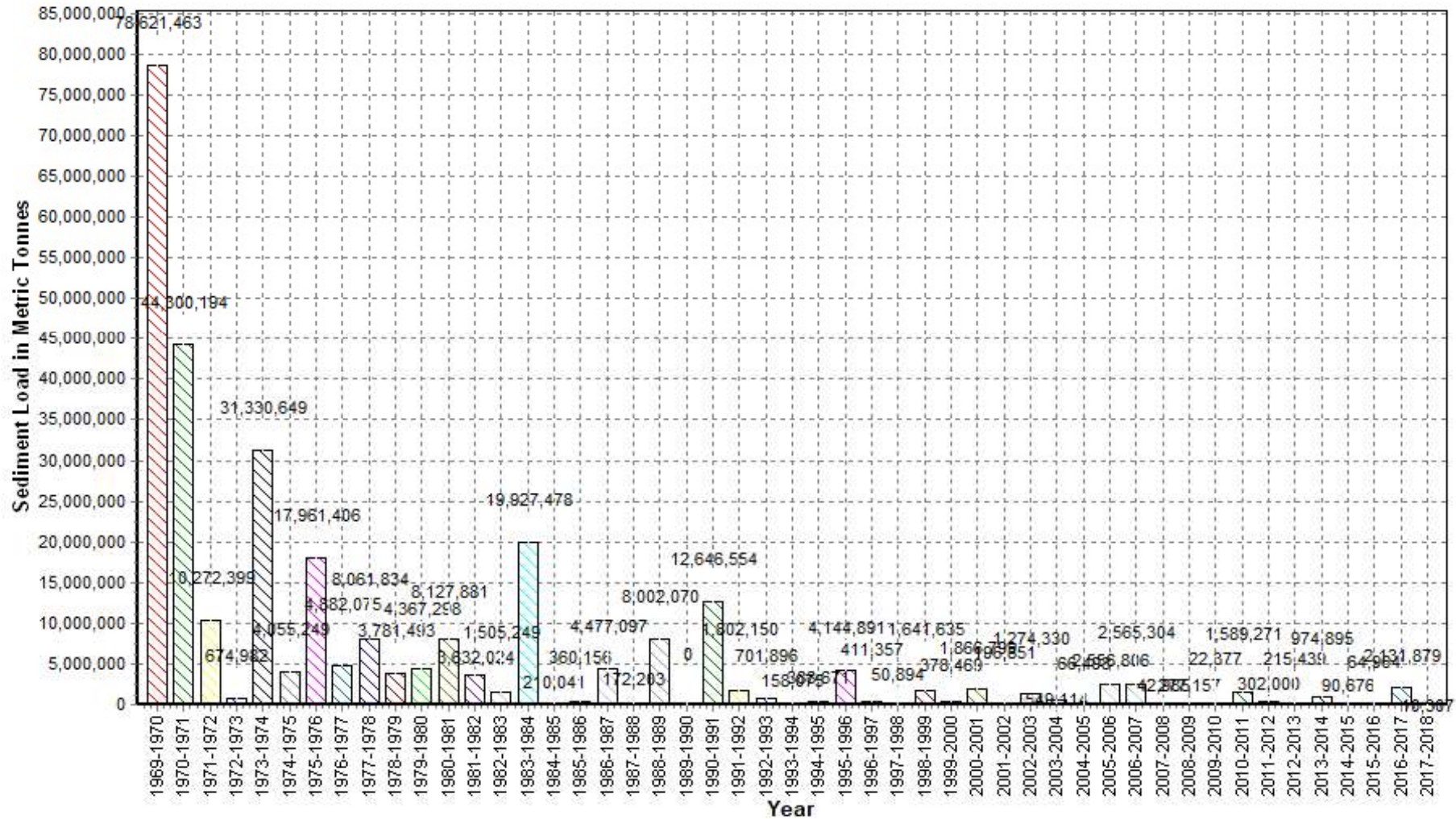
Sub-Division : Manjira SD, Nizamabad

2015-2016	62363	2601	64964	1124
2016-2017	2115296	16582	2131879	8081
2017-2018	8696	1612	10307	232

Annual Sediment Load for the period: 1969-2018

Station Name : Mancherla (AG000J3)
Local River : Godavari

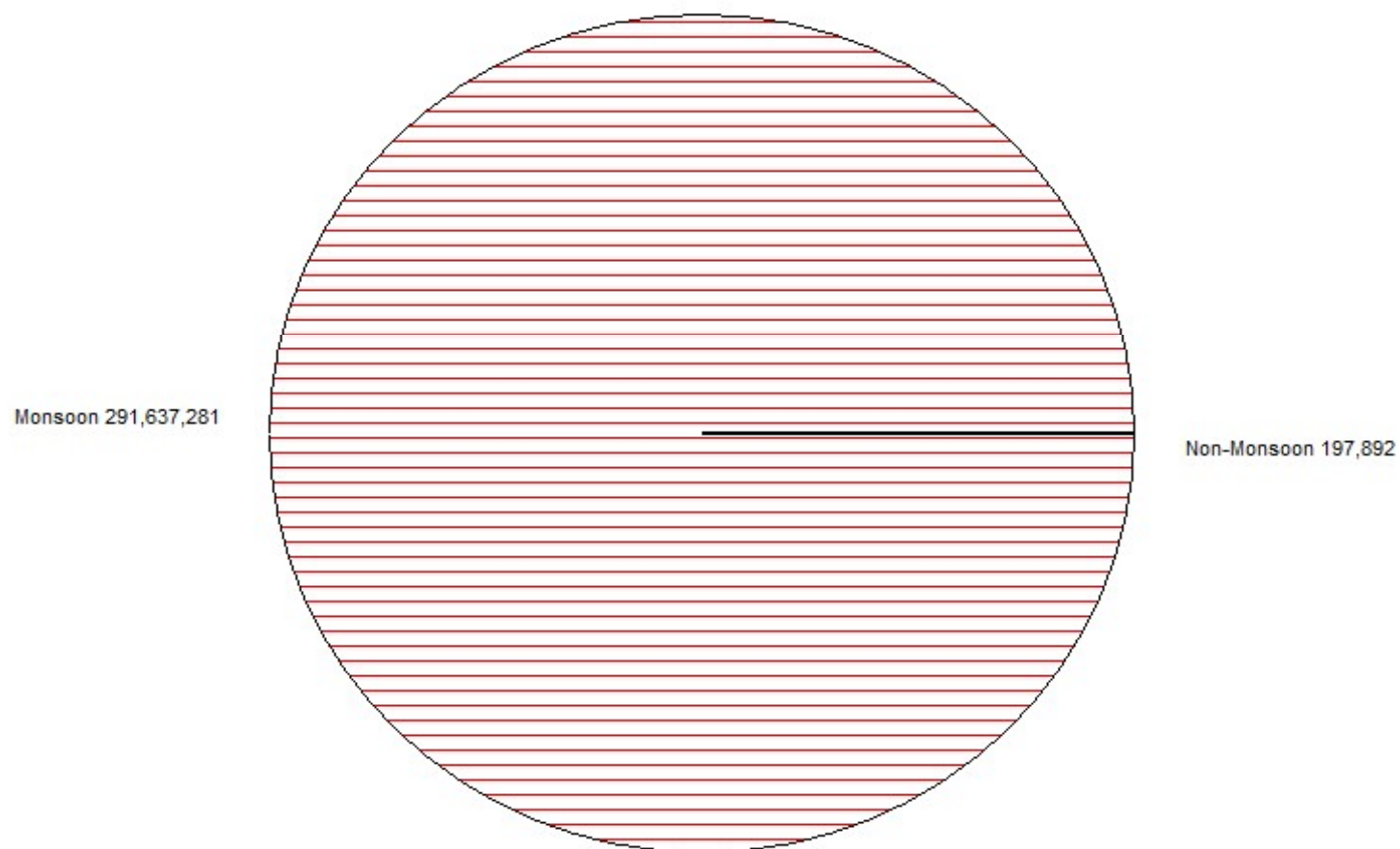
Division : Upper Godavari Div., Hyderabad
Sub-Division : Manjira SD, Nizamabad



Station Name : Mancherial (AG000J3)
Local River : Godavari

Seasonal Sediment Load for the period : 1969-2017

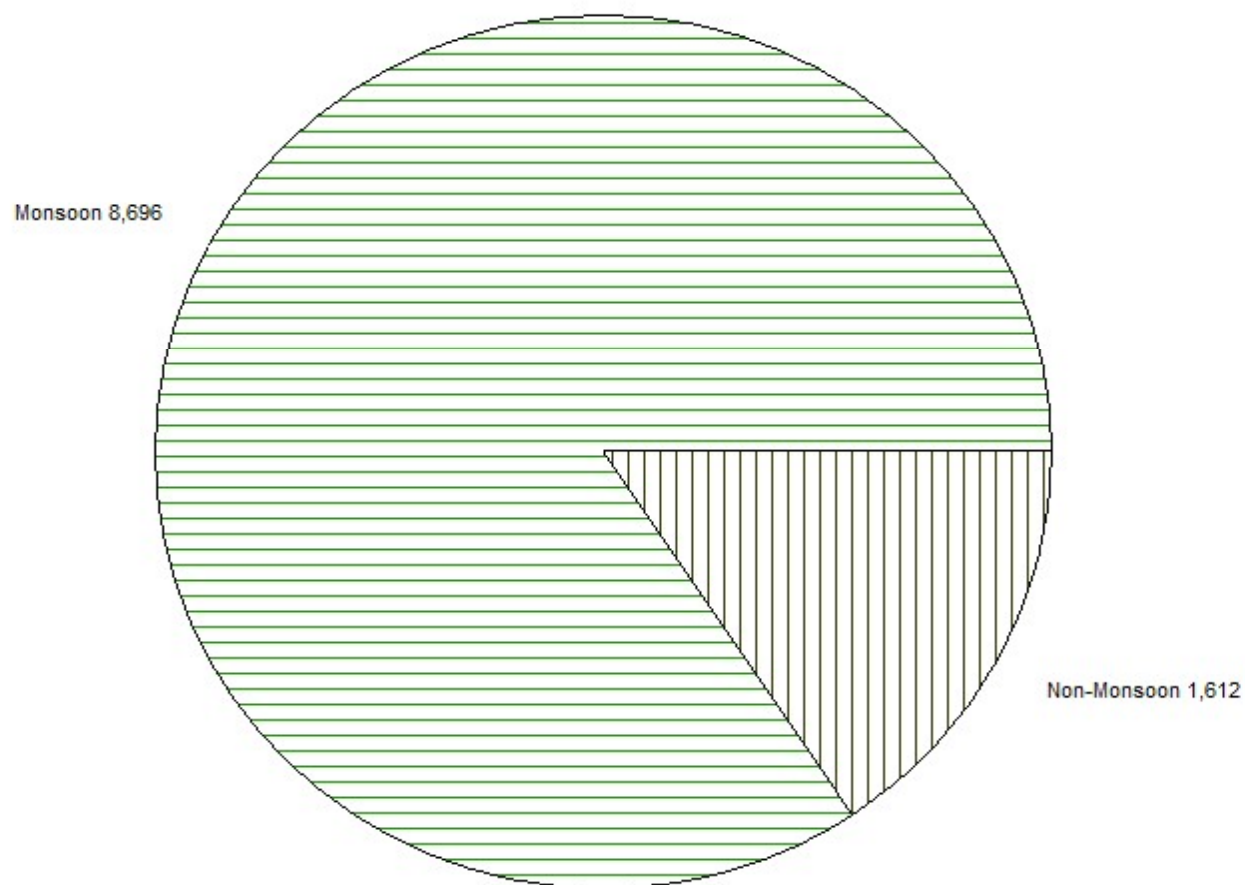
Division : Upper Godavari Div., Hyderabad
Sub-Division : Manjira SD, Nizamabad



Station Name : Mancherla (AG000J3)
Local River : Godavari

Seasonal Sediment Load for the Year: 2017-2018

Division : Upper Godavari Div., Hyderabad
Sub-Division : Manjira SD, Nizamabad



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : GODAVARI AT MANCHERIAL CODE : AG000J3
 MEASURING : UGDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 25-05-17)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :	---			---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :	---			---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	180		128.366		1.99		Av.mean dia "m" = 1.87	
2	360		125.836		1.81			
3	540		127.506		1.75		Silt factor "f" = 1.76 $\sqrt{m}$ = 2.41	
4	720		127.096		1.99			
5	900		127.806		1.48			
6	1080		124.391		2.02			
7	1260		125.346		2.05			

Note : i. Discharge observation was at station gauge line.
 ii. River bed : Dry bed.

Monsoon Survey (Date)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :	---			---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :	---			---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	

Survey not conducted

Note :

Postmonsoon Survey (Date 23-11-17)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :	---			---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :	---			---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	180		128.426		1.66		Av.mean dia "m" = 1.77	
2	360		125.871		1.70			
3	540		126.581		1.70		Silt factor "f" = 1.76 $\sqrt{m}$ = 2.34	
4	720		127.316		1.78			
5	900		127.631		1.85			
6	1080		124.451		1.91			

Note : i. Discharge observation was at station gauge line.
 ii. River bed : Dry bed.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: Saigaon	Code	: AGP00N8
State	: Karnataka	District	Bidar
Basin	: Godavari	Independent River	: Godavari
Tributary	: Manjira	Sub Tributary	: -
Sub-Sub Tributary	: -	Local River	: Manjira
Division	: Upper Godavari Div., Hyderabad	Sub-Division	: Manjira SD, Nizamabad
Drainage Area	: 9960 Sq. Km.	Bank	: Right
Latitude	: 18°04'33"	Longitude	: 77°03'09"
Zero of Gauge (m)	: 542.723 (m.s.l)	01/08/1964	
	Opening Date	Closing Date	
Gauge	: 01/08/1964		
Discharge	: 10/11/1967		
Sediment	: 19/07/1973		
Water Quality	: 16/08/1973		

Annual Sediment Load for period : 1974-2018**Station Name : Saigaon (AGP00N8)****Division : Upper Godavari Div., Hyderabad****Local River : Manjira****Sub-Division : Manjira SD, Nizamabad**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1974-1975	1141268	96	1141364	714
1975-1976	6450257	312	6450568	2314
1976-1977	770340	70	770410	485
1977-1978	598378	85831	684209	441
1978-1979	1458804	167	1458971	767
1979-1980	1200291	533	1200823	704
1980-1981	1415011	0	1415011	792
1981-1982	1031891	0	1031891	820
1982-1983	265380	0	265380	231
1983-1984	7102675	1023	7103698	4092
1984-1985	100072	0	100072	191
1985-1986	109958	0	109958	201
1986-1987	68476	0	68476	50
1987-1988	546766	0	546766	228
1988-1989	7640612	0	7640612	3496
1989-1990	3149943	0	3149943	2380
1990-1991	6192505	0	6192505	2947
1991-1992	605252	0	605252	442
1992-1993	886393	0	886393	383
1993-1994	99306	0	99306	226
1994-1995	4595	0	4595	18
1995-1996	279834	0	279834	330
1996-1997	3521166	0	3521166	1855
1997-1998	17938	0	17938	28
1998-1999	7999845	0	7999845	4599
1999-2000	149786	0	149786	796
2000-2001	2285272	0	2285272	1549
2001-2002	73833	0	73833	166
2002-2003	2653	0	2653	20
2003-2004	19264	0	19264	86
2004-2005	18455	0	18455	24
2005-2006	739085	0	739085	954
2006-2007	224240	0	224240	675
2007-2008	303149	0	303149	438
2008-2009	704485	0	704485	917
2009-2010	946	0	946	39
2010-2011	1399495	4663	1404158	2384
2011-2012	218556	0	218556	587
2012-2013	858615	0	858615	56
2013-2014	49389	0	49389	171
2014-2015	3223	0	3223	9
2015-2016	0	0	0	0
2016-2017	0	0	0	2281
2017-2018	0	0	0	221

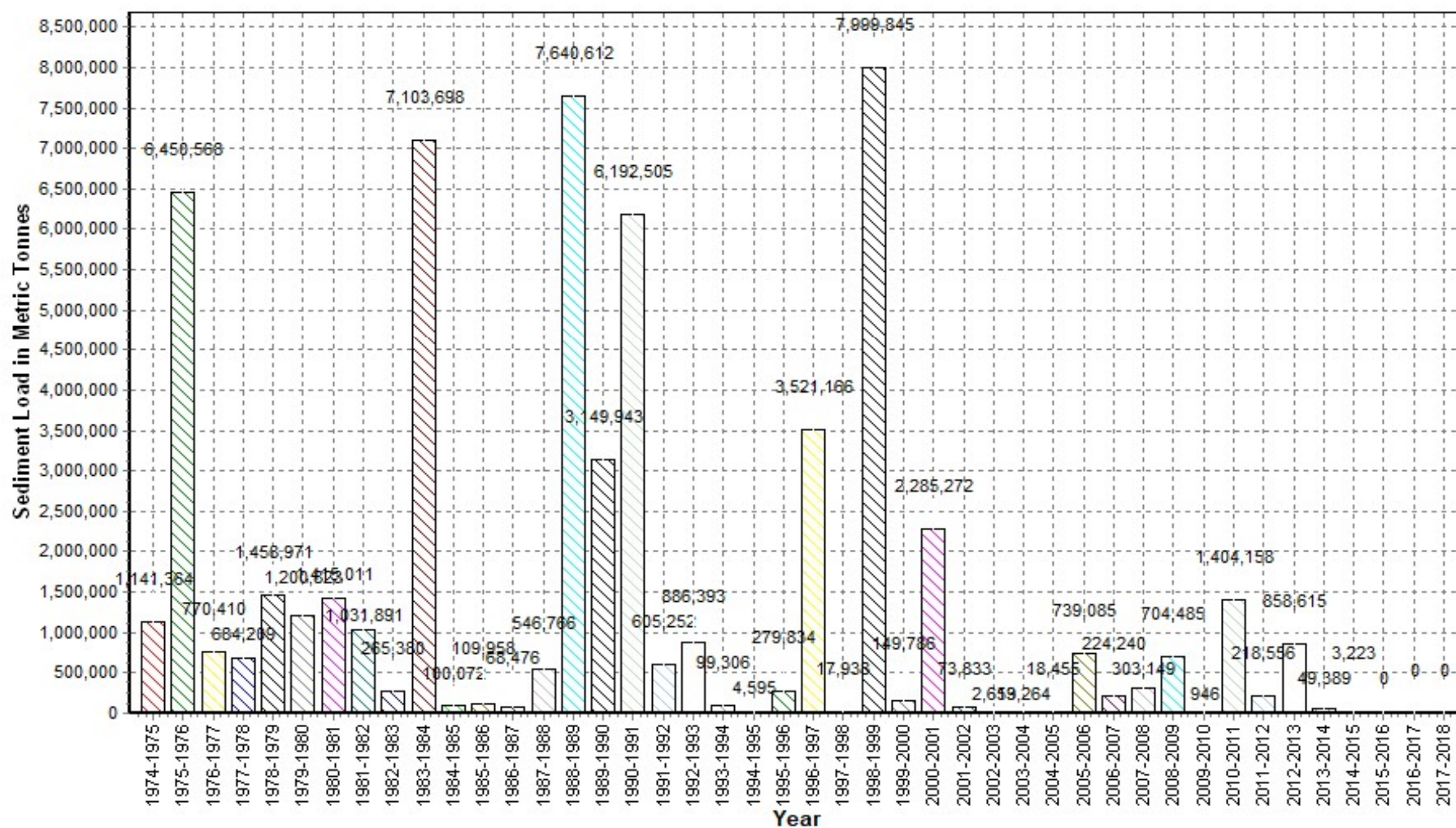
Annual Sediment Load for the period: 1974-2018

Station Name : Saigaon (AGP00N8)

Local River : Manjira

Division : Upper Godavari Div., Hyderabad

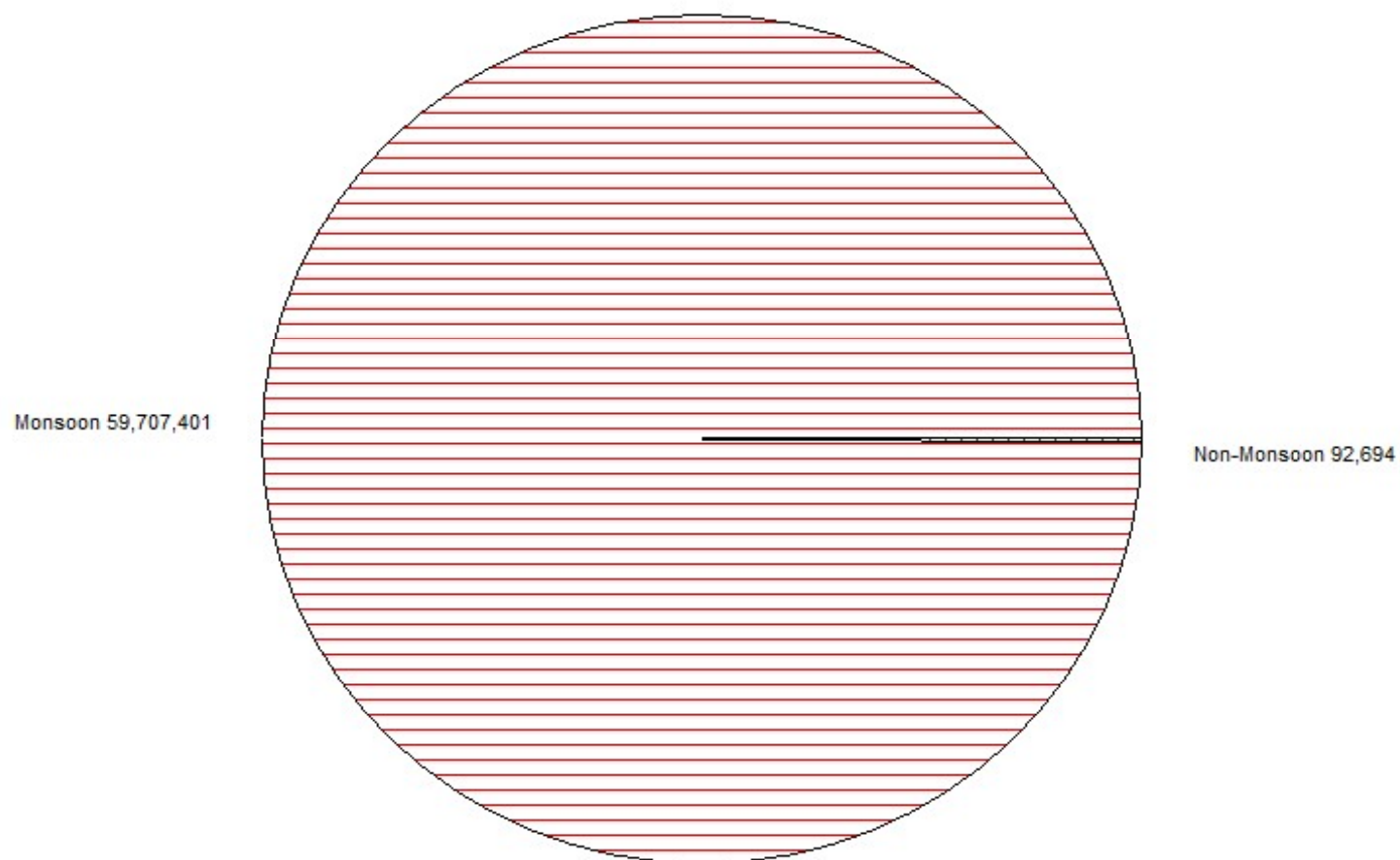
Sub-Division : Manjira SD, Nizamabad



Station Name : Saigaon (AGP00N8)
Local River : Manjira

Seasonal Sediment Load for the period : 1974-2017

Division : Upper Godavari Div., Hyderabad
Sub-Division : Manjira SD, Nizamabad



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : MANJIRA AT SAIGAON CODE : AG00N8
 MEASURING : UGDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 13-06-17)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :	---			---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :	---			---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	50		553.358		4.60			
2	70		549.948		6.16		Av.mean dia "m" = 4.56	
3	140		542.938		5.42			
4	210		544.933		5.43		Silt factor	
5	280		547.623		8.78		"f" = 1.76 $\sqrt{m}$	
6	300		553.543		0.76		= 3.76	
7	400		556.353		0.76			

Note :
 i. Discharge observation was at station gauge line.
 ii. River bed : Dry bed.

Monsoon Survey (Date)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :	---			---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :	---			---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	

Survey not conducted

Note :

Postmonsoon Survey (Date 15-12-17)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :	---			---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :	---			---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	50		553.383		0.71			
2	70		550.068		0.69		Av.mean dia "m" = 0.72	
3	140		543.088		0.78			
4	210		545.023		0.77		Silt factor	
5	280		547.598		0.72		"f" = 1.76 $\sqrt{m}$	
6	350		553.588		0.64		= 1.49	
7	400		556.338		0.74			

Note :
 i. Discharge observation was at station gauge line.
 ii. River bed : Dry bed.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: Purna	Code	: AGR00A5
State	: Maharashtra	District	Parbhani
Basin	: Godavari	Independent River	: Godavari
Tributary	: Purna	Sub Tributary	: -
Sub-Sub Tributary	: -	Local River	: Purna
Division	: Upper Godavari Div., Hyderabad	Sub-Division	: Purna SD, Nanded
Drainage Area	: 15000 Sq. Km.	Bank	: Left
Latitude	: 19°10'33"	Longitude	: 77°00'50"
Zero of Gauge (m)	: 358.000 (m.s.l)	23/06/1968	
	Opening Date	Closing Date	
Gauge	: 23/06/1968		
Discharge	: 02/09/1969		
Sediment	: 10/10/1972	31/05/2006	
Water Quality	: 01/11/1972		

Annual Sediment Load for period : 1974-2016**Station Name : Purna (AGR00A5)****Division : Upper Godavari Div., Hyderabad****Local River : Purna****Sub-Division : Purna SD, Nanded**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1974-1975	856161	1499	857660	530
1975-1976	20191265	3081	20194346	5004
1976-1977	5039570	2980	5042549	2026
1977-1978	4792062	10422	4802485	1361
1978-1979	956791	7714	964505	823
1979-1980	8475562	100449	8576011	1759
1980-1981	8951083	12598	8963681	2845
1981-1982	2037533	6712	2044245	731
1982-1983	1161201	324	1161525	323
1983-1984	13530129	4275	13534404	5003
1984-1985	815738	1309	817047	425
1985-1986	948891	447	949338	312
1986-1987	1459279	0	1459279	306
1987-1988	2209772	0	2209772	974
1988-1989	11339287	0	11339287	5906
1989-1990	19695873	0	19695873	3023
1990-1991	4939560	0	4939560	4216
1991-1992	2295477	0	2295477	1054
1992-1993	22427598	0	22427598	1824
1993-1994	211667	0	211667	442
1994-1995	123356	0	123356	173
1995-1996	444107	0	444107	419
1996-1997	1370205	0	1370205	888
1997-1998	210257	0	210257	280
1998-1999	4048327	0	4048327	4966
1999-2000	1070437	0	1070437	1382
2000-2001	1581605	24	1581629	1721
2001-2002	688601	0	688601	1262
2002-2003	1878964	0	1878964	2050
2003-2004	102655	0	102655	500
2004-2005	53581	0	53581	215
2005-2006	12460937	135	12461072	2689
2006-2007	0	0	0	5598
2007-2008	0	0	0	294
2008-2009	0	0	0	343
2009-2010	0	0	0	227
2010-2011	0	0	0	1565
2011-2012	0	0	0	357
2012-2013	0	0	0	243
2013-2014	0	0	0	1321
2014-2015	0	0	0	116
2015-2016	0	0	0	67
2016-2017	0	0	0	663
2017-2018	0	0	0	209

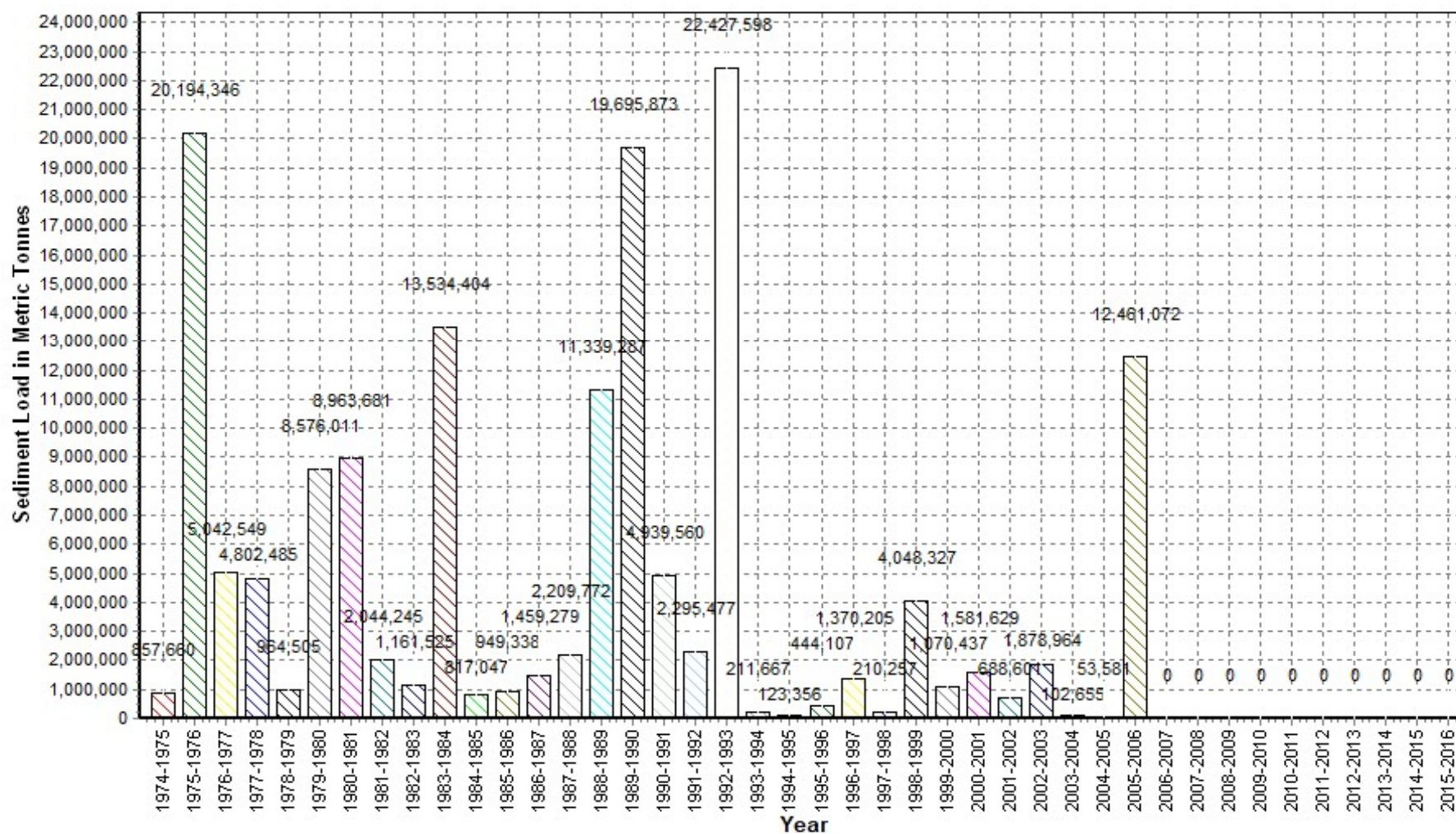
Annual Sediment Load for the period: 1974-2016

Station Name : Purna (AGR00A5)

Local River : Purna

Division : Upper Godavari Div., Hyderabad

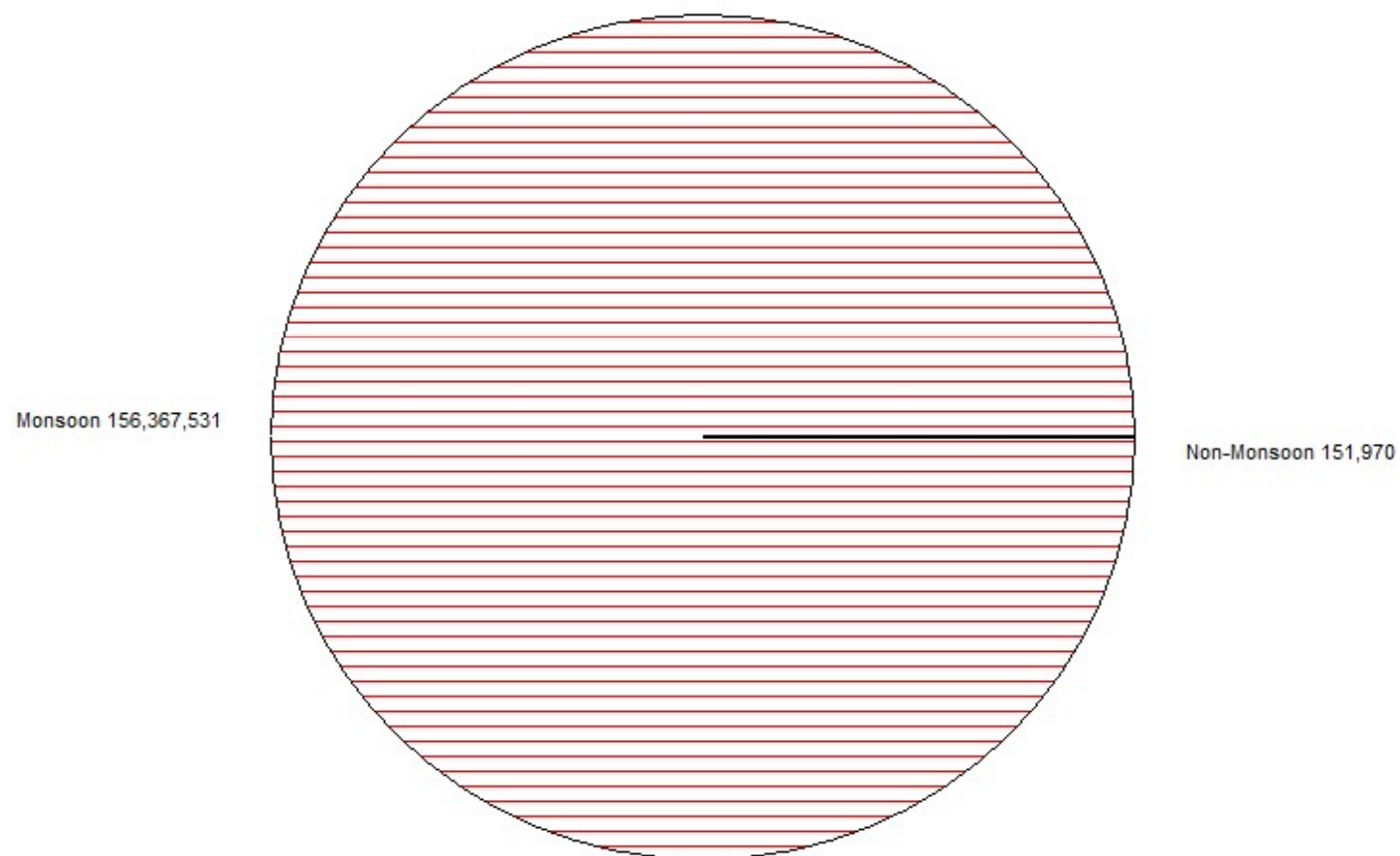
Sub-Division : Purna SD, Nanded



Station Name : Purna (AGR00A5)
Local River : Purna

Seasonal Sediment Load for the period : 1974-2017

Division : Upper Godavari Div., Hyderabad
Sub-Division : Purna SD, Nanded



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : PURNA AT PURNA CODE : AGR00A5
 MEASURING : UGDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 23-05-17)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :	---			---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :	---			---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	90		361.020		0.78			
2	130		358.935		0.77		Av.mean dia "m" = 2.70	
3	170		358.540		2.42			
4	200		358.290		2.27		Silt factor	
5	240		359.040		7.28		"f" = $1.76 \sqrt{m}$	
							= 2.89	

Note :
 i. Discharge observation was at station gauge line.
 ii. River bed : Dry bed.

Monsoon Survey (Date)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :	---			---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :	---			---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	

Survey not conducted

Note :

Postmonsoon Survey (Date 22-12-17)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :	---			---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :	---			---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	90		360.815		0.76			
2	130		358.485		0.76		Av.mean dia "m" = 6.89	
3	170		358.410		0.76			
4	200		358.575		16.54		Silt factor	
5	240		359.125		15.63		"f" = $1.76 \sqrt{m}$	
							= 4.62	

Note :
 i. Discharge observation was at station gauge line.
 ii. River bed : Dry bed.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: Dhalegaon	Code	: AG000S9
State	: Maharashtra	District	Parbhani
Basin	: Godavari	Independent River	: Godavari
Tributary	: -	Sub Tributary	: -
Sub-Sub Tributary	: -	Local River	: Godavari
Division	: Upper Godavari Div., Hyderabad	Sub-Division	: Upper Godavari SD, Aurangabad
Drainage Area	: 30840 Sq. Km.	Bank	: Left
Latitude	: 19°13'13"	Longitude	: 76°21'52"
Zero of Gauge (m)	: 386.575 (m.s.l)	04/01/1964	
	Opening Date	Closing Date	
Gauge	: 04/01/1964		
Discharge	: 16/08/1964		
Sediment	: 11/07/1971		
Water Quality	: 01/07/1972		

Annual Sediment Load for period : 1972-2018**Station Name : Dhalegaon (AG000S9)****Division : Upper Godavari Div., Hyderabad****Local River : Godavari****Sub-Division : Upper Godavari SD, Aurangabad**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1972-1973	1926256	8	1926264	982
1973-1974	19428879	443	19429321	5277
1974-1975	4274787	881	4275669	1176
1975-1976	21245454	2212	21247666	6061
1976-1977	4505622	1699	4507321	5674
1977-1978	6210470	47768	6258238	2832
1978-1979	3827156	3492	3830648	1408
1979-1980	4305860	169772	4475633	2657
1980-1981	5191503	5682	5197185	4395
1981-1982	3058311	6626	3064937	1694
1982-1983	2114883	8883	2123766	687
1983-1984	14184003	6883	14190886	4336
1984-1985	1623759	3222	1626981	995
1985-1986	113333	682	114015	517
1986-1987	620952	0	620952	231
1987-1988	1029338	0	1029338	540
1988-1989	2349670	0	2349670	2835
1989-1990	2860190	0	2860190	2856
1990-1991	3210260	0	3210260	4295
1991-1992	542685	0	542685	2627
1992-1993	579174	0	579174	719
1993-1994	75532	0	75532	230
1994-1995	765915	0	765915	2238
1995-1996	93036	0	93036	326
1996-1997	205780	0	205780	886
1997-1998	13287	0	13287	133
1998-1999	2061417	0	2061417	3251
1999-2000	560464	0	560464	719
2000-2001	878734	58	878792	1691
2001-2002	118793	0	118793	222
2002-2003	364673	0	364673	274
2003-2004	99166	0	99166	59
2004-2005	115279	0	115279	122
2005-2006	1963017	21	1963038	3633
2006-2007	3704856	120	3704976	6562
2007-2008	301722	0	301722	890
2008-2009	126679	0	126679	1034
2009-2010	68777	0	68777	172
2010-2011	399830	0	399830	408
2011-2012	33828	0	33828	193
2012-2013	0	0	0	0
2013-2014	0	0	0	0
2014-2015	0	0	0	0
2015-2016	0	0	0	0
2016-2017	258205	0	258205	694
2017-2018	0	0	0	0

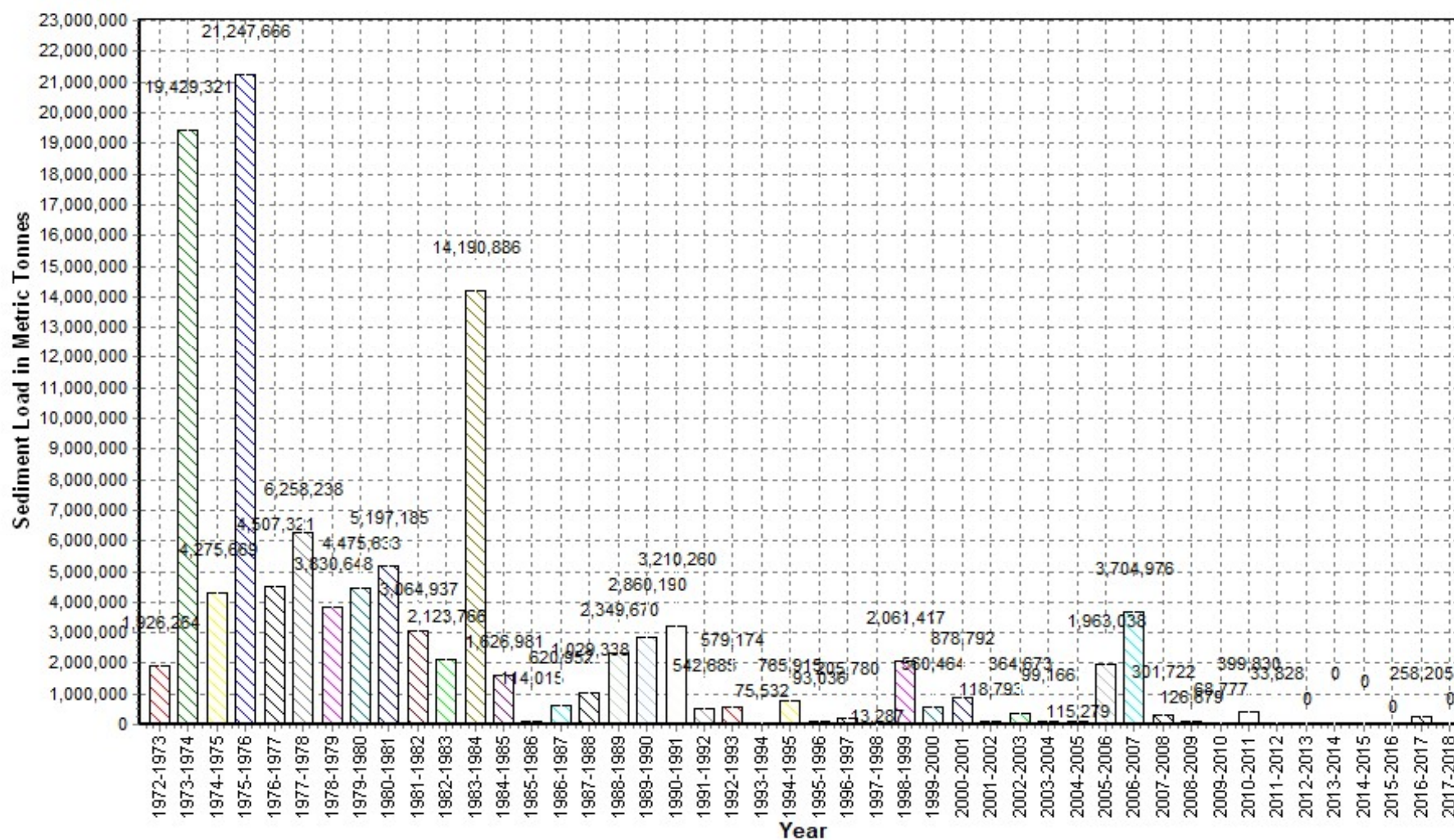
Annual Sediment Load for the period: 1972-2018

Station Name : Dhalegaon (AG000S9)

Local River : Godavari

Division : Upper Godavari Div., Hyderabad

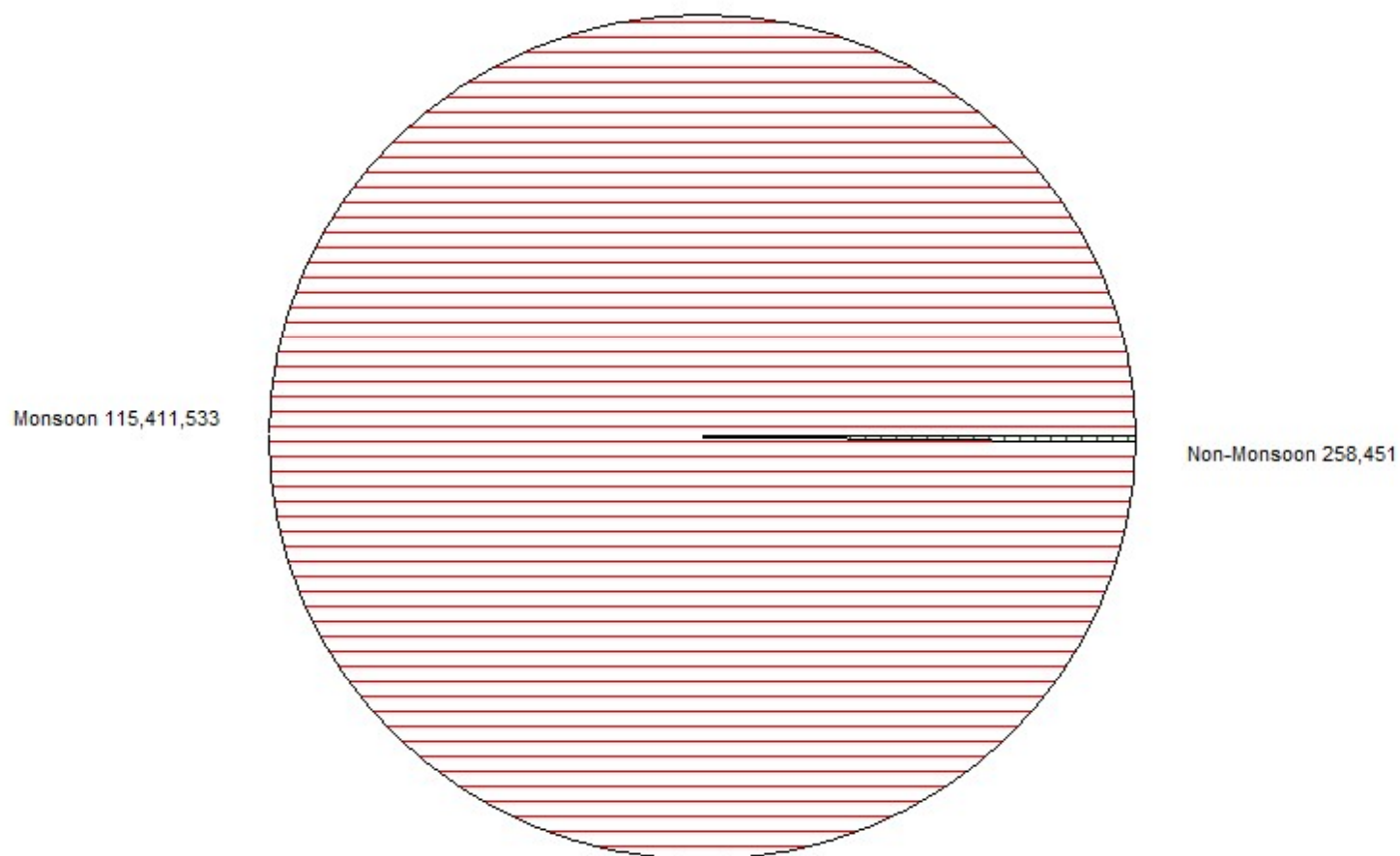
Sub-Division : Upper Godavari SD, Aurangabad



Station Name : Dhalegaon (AG000S9)
Local River : Godavari

Seasonal Sediment Load for the period : 1972-2017

Division : Upper Godavari Div., Hyderabad
Sub-Division : Upper Godavari SD, Aurangabad



BED MATERIAL ANALYSIS DATA FOR THE YEAR 2017-18

SITE : GODAVARI AT DHALEGAON CODE : AG000S9
 MEASURING : UGDN CROSS SECTION : Station gauge line
 AUTHORITY

Premonsoon Survey (Date 09-06-17)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :	---			---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :	---			---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	40		387.100		3.17			
2	80		386.860		3.28		Av.mean dia "m" = 3.00	
3	120		385.550		2.50			
4	160		384.850		3.06		Silt factor "f" = $1.76 \sqrt{m}$ = 3.05	

Note : i. Discharge observation was at station gauge line.
 ii. River bed : Dry bed.

Monsoon Survey (Date)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :	---			---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :	---			---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	

Survey not conducted

Note :

Postmonsoon Survey (Date 28-10-17)

Discharge Observed :	---	cumec	Water edge RB :	---	m	LB :	---	m
Area of section :	---	sq.m	MeanVelocity :	---			---	m/sec
Wetted perimeter :	---	m	Hydraulic Mean Depth :	---			---	m
Sl. No	R.D.of sampling point in meters		R.L. of bed in meters		Mean diameter in mm		Remarks	
1	40		387.100		2.48			
2	80		386.880		2.67		Av.mean dia "m" = 2.62	
3	120		385.600		2.64			
4	160		384.860		2.67		Silt factor "f" = $1.76 \sqrt{m}$ = 2.85	

Note : i. Discharge observation was at station gauge line.
 ii. River bed : Dry bed.

HISTORY SHEET

		Water Year	: 2017-2018
Site	: Kopergaon	Code	: Kopergaon
State	: Maharashtra	District	Ahmednagar
Basin	: Godavari	Independent River	: Godavari
Tributary	: -	Sub Tributary	:
Sub-Sub Tributary	:	Local River	: Godavari
Division	: U Godavari Div., Hyderabad	Sub-Division	: U Godavari SD, Aurangabad
Drainage Area	: 6480 Sq. Km.	Bank	:
Latitude	: 19°52'42"	Longitude	: 74°28'50"
Zero of Gauge (m)	: 485.500 (m.s.l)	01/01/1977	
	Opening Date	Closing Date	
Gauge	: 08/07/1978	Remarks	: Sediment and Bed Material Observations are not conducted for the year 2017-18
Discharge	:		
Sediment	:		
Water Quality	: 01/04/2014		

HISTORY SHEET

		Water Year	: 2017-2018
Site	: Pachegaon	Code	: AGU00D3
State	: Maharashtra	District	Ahmednagar
Basin	: Godavari	Independent River	: Godavari
Tributary	: Pravara	Sub Tributary	: -
Sub-Sub Tributary	: -	Local River	: Pravara
Division	: Upper Godavari Div., Hyderabad	Sub-Division	: Upper Godavari SD, Aurangabad
Drainage Area	: 5800 Sq. Km.	Bank	: Left
Latitude	: 19°32'07"	Longitude	: 74°50'01"
Zero of Gauge (m)	: 470.000 (m.s.l)	07/12/1978	
	Opening Date	Closing Date	
Gauge	: 07/12/1978	Remarks	: Sediment and Bed Material Observations are not Conducted for the year 2017-18
Discharge	: 23/07/1983		
Sediment	:		
Water Quality	: 01/04/2014		