## FARMERS PARTICIPATORY ACTION RESEARCH PROGRAMME (FPARP) DETAILS OF THE INSTITUTES BEING MONITORED BY CENTRAL GROUND WATER BOARD (CGWB)

S. No.	Name of Institute with address	Description of technology (ies) to be demonstrated Accepted by PIT	No. of demon- strations accepted by PIT	Cost of each demonstration approved by PIT (in thousand Rs.)	Cost (in lakh Rs.)	Monitoring Agency
1	2	4	5	6	7	8
1	Dr. R.C. Srivastav, Director, Central Agricultural Research Institute (ICAR), P.B. No. 181, Port Blair, Andman & Nicobar, Pin –744101 director@cari.res.in, rameshcari@yahoo.co.in	<ul> <li>Rainwater Harvesting: Tank-well combination.</li> <li>Micro irrigation methods for plantation crops</li> <li>Pond based integrated farming system</li> <li>Crop diversification through broad bed and furrow (BBF) system for low living areas</li> </ul>	48	50	24	Regional Director, CGWB, ER, Bhujalika, C P Block-6, Sector-V, Salt Lake City, Kolkata - 700 091 (West Bengal) Ph-033-23673081 E-mail: rder- cgwb@nic.in
2	Dr. SP Wani, Principal Scientist, International Crops Research Institute For the Semi-Arid Tropics (ICRISAT), Patancheru, Andhra Pradesh, Pin 502324 s.wani@cgiar.org	Micro nutrient application in short duration legumes in Andhra Pradesh	100	50	50	Sh. G.D. Ojha Regional Director, Central Ground Water Board, Southern Region, GSI Post, Near GSI 2 <sup>nd</sup> gate, Bandlaguda, Hyderabad Tel: 040-24222507, 24222508 Fax 040-2422508 Email: rdsr-cgwb@nic.in

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3	Dr. N.N. Sarmah, Chief Scientist (WM), AICRP on Water Management, Assam Agricultural University, Jorhat, Assam, Pin- 785013 nnsarmah@aau.ac.in	Irrigation management in:  autumn rice (ahu)  summer rice rapeseed and mustard tomato and potato post flood rice	100	50	50	Sh. D.B. Saha, Regional; Director, C.G.W.B, Tarun Nagar, Bye Lane 1 near Rajiv Bhawan, Guwahat i- 781005 (Assam) Tel: 0361- 2456298 & 2456276 E-mail- rdner- cgwb@nic.in
4	Prof. SC Patra, Director, North Eastern Regional Institute of Water And Land Management, Kaliabhomora, Tezpur, Assam, Pin 784027  Neriwalm tezpur@yahoo.com	<ul> <li>Azola bio fertilizer technology</li> <li>Agricultural production flood prone areas</li> <li>Multiple cropping</li> <li>Drip irrigation</li> <li>Small irrigation development in Hilly terrain</li> <li>On farm irrigation water management</li> <li>Watershed level water harvesting</li> </ul>	100	50	50	-do-

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5	Dean, Faculty of Agricultural Engineering, Indira Gandhi Krishi Vishwavidyalay, Raipur, Chattisgarh, Pin-492006	<ul> <li>Conjunctive use of surface and ground water through small farm reservoir</li> <li>Irrigation scheduling as per the ET requirement of crops and at critical crop growth stages in order to develop seasonal irrigation plan</li> <li>Demo trial on full submergence, partial submergence and intermittent submergence at critical growth stages of rice crop.</li> <li>Drainage system in rice fields</li> </ul>	30	50	15	Dr. A. Srisailanath, Regional Director, CGWB, North Central Chhatisgarh Region, Reena Apartment, 2 <sup>nd</sup> Floor, NH 43, Dhamtari Road, Pachpedi Naka, Raipur- 492001 (Chattisgarh) Email: rdnccr- cgwb@nic.in Ph-0771- 2413689,2413903
6	Dr. SP Wani, Principal Scientist, International Crops Research Institute For the Semi-Arid Tropics (ICRISAT) Patanchur, Andhra Pradesh, Pin 502324 s.wani@cgiar.org	Introduction of chickpea rice fallows of Chattisgarh with low input system	100	50	50	Sh. G.D.Ojha Regional Director , Central Ground Water Board, Southern Region, GSI Post, Near GSI 2 <sup>nd</sup> gate. Bandlaguda, Hyderabad Tel: 040-2422507, 24222508 Fax 040-2422508 Email: rdsr-cgwb@nic.in

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7	Dr. RG Patel, Research Scientist, Soil & Water Management Research Unit, Navsari Agricultural University, Navsari, Gujarat, Pin 396450	<ul> <li>Low energy drip system- Low cost poly house</li> <li>Land configuration – gypsum- FYM/ Biocompost</li> <li>Reclamation – Bio/ chemical</li> </ul>	100	38	38	Sh. R.C.Jain Regional Director C.G.W.B., Swami Narain College Build, Shah Alam Tolnaka, Ahmedabad - 380022 (Gujarat ) Email: rdwcr- cgwb@nic.in Tel: 079- 25320476 & 25394464
8	Dr. R.C. Maheshwari, Vice Chancellor, SardarKrushinagar Dantiwada Agricultural University Dist. Banaskantha Gujarat, Pin- 385506 vc@sdau.edu.in maheshwarirc2002@yahoo.co.in	<ul> <li>Drip and sprinkler irrigation</li> <li>Mulching ploughing, contour bunding strip cropping furrow methods of sowing</li> <li>Water recharging with nala plugging and check dams, farm pond etc.</li> <li>Furrow irrigation</li> <li>Crop diversification &amp; integrated farming system</li> <li>Agro forestry</li> </ul>	100	50	50	-do-
9	Shri RK Malik, Director Extension Education, Gandhi Bahvan, Chaudhary Charan Singh Agricultural University, Hissar, Harayna, Pin 125004-	<ul> <li>Zero tillage, bed planting</li> <li>Laser land leveling</li> <li>Drip irrigation</li> <li>Crop residue management</li> <li>Crop diversification</li> <li>Rainwater harvesting</li> <li>Management of saline soils</li> <li>Groundwater recharging</li> </ul>	100	50	50	Sh. Sushil Gupta, Regional Director, C.G.W.B., Bhujal Bhawan, Plot No.3- B,Sector, 27A Chandigarh – 160019 Ph-0172-2640143, 2638214 Email: rdnwr- cgwb@nic.in

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10	Director of Research, Dr. Y.S Parmar University of Horticulture & Forestry, Nauni (Salan), H.P., Pin-173230	<ul> <li>Insitu moisture conservation in fruit and vegetable crops</li> <li>LDPE lined low cost storage tanks</li> </ul>	100	50	50	Regional Director I/C, NHR, Central Ground Water Board, Jhikli Barol, Dari P.O Dharamshala (Kangra)- 176057 Tel: 01892- 227160 &
						223535 E-mail- rdnhr- cgwb@nic.in
11	Er. Junaid Nazir Khan, Assistant Professor, Division of Agricultural Engineering, SKUAST-K, Shalimar, J&K, Pin-1911121 Junaid k1974@rediffmail.com, Anwar_alam@jk.nic.in, vcskuastk@jk.nic.in	<ul> <li>Water Harvesting</li> <li>Soil and moisture conservation</li> <li>Water application methods</li> <li>Lift irrigation</li> <li>Farm mechanization through Agricultural implements Agro techniques for increased water use efficiency</li> </ul>	160	50	80	Shri Arun Kumar Regional Director, CGWB, NWHR, F-56-A, Shastri Nagar Jammu-180004 (J&K) Tel: 0191- 2451626 & 2452441 E-mail- rdnwhr- cgwb@nic.in

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12	Dr. N.B. Gaddagimath, Director Research & Development, SARPAN Agriculture Horticultural Research Centre (SAHRC), P. B. No.401, Dharwad, Karnataka, Pin- 580005	<ul> <li>Drought and moisture stress tolerant and evading early maturing chilli F1 Hybrids, Paprikas for arid and semi arid regions.</li> <li>Early maturing nutritionally rich vegetable cowpea for arid &amp; semi arid tropics</li> <li>Extra early one time harvestable clusterbeans and drought tolerant early maturing bush dolichos and low moisture requiring vine dolichos for vegetables</li> </ul>	50	50	25	Sh. T.M.Hunse, Regional Director, CGWB, SWR, Bhujal Bhawan, No-CA-29/A 7 <sup>th</sup> cross, 24 <sup>th</sup> Main, HSR Layout, Sector-1 Bangalore – 560034, Karnataka Email: rdswr- cgwb@nic.in Tel: 080- (under shifting)
13	Dr. SG Patil, University of Agricultural Sciences, Dharwad, Water Management Research Centre, Belavatagi Tq. Navalagund Dt. Dharwad Karnataka State Pin – 582 208	<ul> <li>Higher water productivity though</li> <li>Low cost (AAF) technology in chickpea and wheat</li> <li>Introduction of critical stage concept irrigation in Rabi, Jowar and sunflower</li> <li>Through balanced nutrition in maize</li> <li>Border strip irrigation</li> <li>Direct seeded rice- introduction of zero till planting</li> </ul>	50	50	25	-do-
14	Dr. C. Thamban, Sr. Scientist, Central Plantation Crops Research Institute, Kasaragod, Kerala, Pin- 671124	Soil and water conservation measures     Low cost water harvesting structures	40	50	20	Sh. D.S.Thambi, Regional Director, C.G.W.B., Kerela Region, Kedaram Kesavadasapuram, Trivendrum - 695004 (Kerala) Email: rdkr-cgwb@nic.in Tel: 0471- 2555026, 2442191 & 2442175

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15	Dr. EJ James, Executive Director, Centre for Water Resources Development and Management, P.B. No.2, Kunnamanglam, Calicut, Kerala, Pin-673571	<ul> <li>Adoption of water saving technologies in the summer fallows</li> <li>Promotion of channel to field irrigation in the command areas</li> <li>Improvement of water use efficiency through suitably improved crop rotation</li> </ul>	40	50	20	-do-
16	Director of Research, Kerala Agricultural University, Valanikkara, Thrissur, Kerala, Pin- 680656 kauhqr@ren.nic.in, sundarrars@sifymail.com	SRI technology     Micro irrigation in coconut, Areca nut and banana     Mulching in horticulture crops	50	50	25	-do-
17	Dr. S.P. Wani International Crops Research Institute For the Semi-Arid Tropics (ICRISAT) Patancheru, Andhra Pradesh. Pin-502324 s.wani@cgiar.org	Kharif Fallow management for improving rainfall use efficiency in M.P.	100	50	50	Sh. G.D. Ojha Regional Director, Central Ground Water Board, Southern Region, GSI Post, Near GSI 2 <sup>nd</sup> gate. Bandlaguda, Hyderabad Tel: 040-24222507, 24222508 Fax 040-2422508 Email: rdsr-cgwb@nic.in

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18	Dr. MM Pandey, Director, Nabi Bagh, Berasia Road, Central Institute of Agricultural Engineering, Bhopal, MP, Pin- 462038	<ul> <li>leveling and grading of land by using laser-guided land leveler, land plane and hydraulic buck scrapper</li> <li>Adoption of sprinkler irrigation and micro irrigation systems with fertigation</li> <li>Adoption of single pass tillage equipment for tillage with conserved moisture like tractor operated rotavator, duck foot cultivar with cold crushing &amp; compaction</li> <li>Adoption of crop establishment equipment like tractor operated zero till drill, tototill drill, till plant machinery raised bed and</li> <li>broad bed planting</li> <li>Kharif fallow management</li> </ul>	70	50	35	Sh. R.N. Singh, Regional Director, CGWB, NCR Block –1, 4 <sup>th</sup> Floor, Paryawas Bhawan Area Hills, Jail Road, Bhopal - 462011 (MP) Email: rdncr- cgwb@nic.in Tel: 0755- 2557639 & 2760090
19	Dr. AS Kadale, Head, Deptt. of Soil & Water Conservation Engineering, CAET, Marathawada Agricultural University, Parbhani, Maharashtra, Pin-431402 kadaleashok@rediffmail.com	Insitu soil moisture conservation practices  Tied ridging, Opening of furrows  Flat bed, Compartmental bunding  Contour cultivation/ farming	36	50	18	Regional Director , CGWB, CR, N.S. Building, Civil Lines, Nagpur – 440001 (Maharashtra) Email:rdcr-cgwb@nic.in Tel: 0712- 2550646 & 2565314

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20	Dr. Ashwani Kumar, Director, Water Technology Centre for Eastern Region, Chandrasekharpur, Bhubaneswar, Orissa, Pin –751023 wtcer@ernt.in surcahudhari@hotmail.com	Water management Components  Optimum irrigation depth Irrigation schedule Appropriate irrigation method Moisture conservation techniques Raising bund height Land leveling & mulching Proper land layouts Improved conveyance methods below outlet under surface irrigation system Associated components Improved crop rotations/ cropping sequence Use of improved crop varieties Fertilizers, manures and micronutrients Liming & green manuring Biofertilisers in pulses Sowing and tillage practices Plant protection measures	100	50	50	Sh. D.Y. Sirsikar, Regional Director, CGWB, SER, Bhujal Bhawan, Khandagiri BHUBNESHWAR - 751001 (Orissa) Email: rdser- cgwb@nic.in Tel: 0674- 2350357 & 2350051
21	Dr. RT Patil, Director, Central Institute of Post Harvest Engineering & Technology, PO Ludhiana, Punjab, Pin-141004 ciphet@sify.com rtpatil@sify.com	<ul> <li>Processing and value addition of fruits and vegetables</li> <li>Low cost green house technology and</li> <li>Plastic mulching technology for water conservation</li> </ul>	40	50	20	Sh. Sushil Gupta, Regional Director, C.G.W.B., NWR Bhujal Bhawan, Plot No.3-B, Sector,27A Chandigarh – 160019 Email: rdnwr- cgwb@nic.in Tel: 0172 -2640143

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22	Dr. B S Sidhu, Sr. Scientist (Irrigation), Punjab Agricultural university, Regional station, Dabwali Road Bhatinda, Punjab, Pin-151001	<ul> <li>Use of poor quality of water in irrigation</li> <li>Use of straw mulch for economizing irrigation water application in high value crops</li> <li>Integrated nutrient management</li> <li>Precision land leveling</li> <li>Pressurized irrigation system including drip irrigation</li> </ul>	60	50	30	-do-
23	Dr. Virendra Kumar, Professor & Dean, Maharana Pratap University of Agriculture & Technology, Udaipur, Rajasthan, Pin- 313001 purohitrc@rediffmail.com	<ul> <li>creation of dug out water harvesting pond for groundwater recharging on participatory approach</li> <li>Utilisation of harvested water through micro-irrigation</li> <li>income generation by adding fisheries in harvested water .</li> </ul>	50	50	25	Sh. R.P.Mathur Regional Director CGWB, WR 6-A, Jhalna Doongri, Jaipur - 302 004, Rajasthan, Email: rdwr-cgwb@nic.in Tel: 0141 -2706991 & 2707284
24	Dr. M.P. Sahu Director of Research Rajasthan Agricultural University Bikaner, Rajasthan, Pin – 334 006 dor@raubikaner.org	<ul> <li>Sowing and Insitu moisture conservation</li> <li>Seed soaking and compaction of planted furrows</li> <li>Contingent crop planning</li> <li>Sprinkler, Drip and furrow irrigation</li> <li>Deficit irrigation</li> <li>Use of Saline water for irrigation</li> <li>Soil health enhancement</li> </ul>	100	50	50	-do-

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25	Mr. Jurgen Putz Director & Executive of PALMYRA Centre for Ecological Landuse, Water Management & Rural Development, Aurobrindavan, Auroville, Tamil Nadu- 605101  plamyra@auroville.org.in	<ul> <li>Cultivation of paddy by SRI method</li> <li>Drip &amp; sprinkler irrigation system</li> <li>use of biofertilisers including vermin compost and organic manure and sustainable soil management</li> <li>Crop diversification</li> <li>Reclamation of alkaline soils</li> <li>conjunctive of ground and surface water</li> </ul>	60	50	30	Sh. N.Varadaraj, Regional Director, CGWB, SECR E-Wing, G-Block, Rajaji Bhavan, CGO Complex Besant Nagar, CHENNAI - 600 090 (Tamil Nadu) Email: rdsecr- cgwb@nic.in Tel: 044-24465880, 24914334 & 24914494
26	Dr. V. Ravi, Professor & Head, Soil and Water Management Research Institute Tamil Nadu Agricultural University, Kattuthottam, Thanjavur, Tamil Nadu Pin-613501 Taj-swmri@sanchanet.in,	System of Rice Intensification (modified)     Direct sown drum seeded rice	20	50	10	-do-
27	Dr. M.V. Rangaswami, Director, Water Technology Centre, Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu, Pin-641003 directorwtc@tnau.ac.in	Drip fertigation in high value crops viz. sugarcane, banana, cotton, maize, turmeric, tomato, brinjal, chillies, bhendi, coconut and fruit crops	70	50	35	-do-

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28	Shri V.K. Singh Director Extension, CSA, University of Agriculture & Technology, Kanpur Uttar Pradesh, Pin-208002 Prakssh csau@hotmail.com	<ul> <li>PRA Technology</li> <li>Water harvesting and recycling</li> <li>Control of runoff and degradation</li> <li>Crop production through diversion systems of rainwater</li> <li>Enhancement of crop production through vegetative silt detention</li> <li>Cropping pattern</li> <li>Testing of effectiveness of different type of water harvesting structures</li> <li>Innovation of low cost technologies of soil and water conservation</li> <li>Enhancement in agricultural based enterprises</li> <li>Development of pasture crops/ grasses on waste/barren land for increasing milk and meat production</li> <li>Innovation of latest dry farming technologies</li> <li>Innovation of dry land horticulture on arable and non arable lands</li> </ul>	100	50	50	Regional Director , CGWB, NR Bhujal Bhavan, Sector-B. Sitapur Road Yojna, Ram Ram Bank Chauraha, Lucknow - 226 021 (U.P.) Email: rdnr-cgwb@nic.in Tel: 0522-2363812 & 2363820
29	Dr. D N Shindey, BAIF, 27-A, Tagore Town, Allahabad, UP, Pin dnshindey@rediffmail.com	<ul> <li>Water resource development through water harvesting structures like check dams, temporary check bunds, farm ponds &amp; group wells</li> <li>Soil and water conservation measures</li> <li>Drip/ sprinkler irrigation</li> </ul>	50	50	25	-do-

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30	Shri HS Gupta, Director, Vivekanada Parvatiya Krishi Anushandhan Sansathan (ICAR), Uttarakhand	Demonstration of improved production technologies for major hill crops with emphasis on efficient utilization of water	75	50	37.5	Regional Director, Central Ground Water Board, Uttaranchal Region, 419 -A, Kanwali Road, Balliwala Dehradun - 248 001, (Uttranchal) Tel: 0135- (under shifting) E-mail- rdur- cgwb@nic.in
31	Shri K.P. Raverkar Associate Professor (Soil Science and Microbiology), Department of Science, College of Agriculture, G.B. Pant University of Agriculture and Technology, Pantnagar Distt- Udham Singh Nagar, Uttarkhand Pin – 263145 Kiran253@sify.com, des@gbpuat.ernet.in	Increasing the water productivity in rice wheat/ vegetable pea system in hills through integrated nutrient management practices	100	35	35	-do-

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32	Prof. Director of Research, Bidhan Chandra Viswavidyalaya, Kalyani, Nadia, West Bengal Pin-741235	<ul> <li>Residual moisture management</li> <li>Use of salt tolerant varieties of crops</li> <li>Use of saline water for irrigation &amp; multiple use of water</li> <li>Micro irrigation and appropriate conservation farming</li> <li>Introduction of crops having less water requirement and crop diversification</li> <li>utilization of low land eco system and multiple use of water</li> </ul>	100	50	50	Regional Director, CGWB, ER, Bhujalika, C P Block-6, Sector-V, Salt Lake City, Kolkata – 700 091 (West Bengal) E-mail: rder- cgwb@nic.in Tel: 033 -23673081& 23673132
	Total				1172.50	