

## HYDROLOGY PROJECT PHASE-II-PROGRESS

S. No	ITEM	Procured/Completed	Remarks
<b>1 Goods</b>			
<b>a. General</b>			
i.	Computers :servers	-	
	Computers: workstations	267+11=278	
ii.	Laptops/Netbooks	14	
iii.	Printers	267+11=278	
iv.	GIS Software & any other scientific/engineering related software	-	
	Title	Number of copies	
	Arc Gis	1	
	Arc Editor	2	
	Arc View	2	
	Spatial Analyst	2	
	3-D Analyst	2	
iv.	Video conferencing Equipment (sets)		
v.	Audio-visual equipment	1	
	Multimedia projectors	1	
	Phtocopier	5	
	Other equipment (lab)		
vi.	Vehicles – Car/Jeep/Bus/Wagon		
	Type (or similar)	Number vehicles	
	Car	3	
	Jeep	10	
	Bus/Trucks	2	
	Wagon	1	
	Motorbike	-	
<b>b. Survey Equipment</b>			
i	GPS – Hand held	6(GW)	
ii	Differential GPS	2(GW)	
<b>c. Meteorological Equipment</b>			
iv.	Standard Raingauge (manual)	11	
ii	Autographic raingauge (with chart)	1	
iii	Digital Rain Gauges (DRG) (Tipping Bucket type) without telemetry	-	
iv	Digital Rain Gauges (DRG) with telemetry	70	Installation work under progress
	(type of system used: GSM/INSAT/VSAT etc)	GSM	
<b>d. Hydrological Equipment (Surface Water)</b>			
i.	Gauge plates / staff gauge	23	
ii.	Automatic water level recorder - shaft encoder type		
	(and number with telemetry)		
	(type of system used: GSM/INSAT/VSAT etc)		
iii.	Automatic water level recorder - bubbler type	8	Order Placed
	(and number with telemetry)		
	(type of system used: GSM/INSAT/VSAT etc)	GSM	
iv.	Current Meter with accessories	44	
v.	ADCP	3	
vi.	Boats with Outboard engines	3	3 No FRP Boats along with 40 H.P Single O.B Engine
vii.	Boats without OB engines	-	
viii.	Bridge outfits	8	8 Nos. Frame Winch Bridge Outfit
ix	Water testing Kits (Portable)	12	

S. No	ITEM	Procured/Completed	Remarks
<b>e. Hydrological Equipment (Ground Water)</b>			
i.	DWLR without telemetry	100	50 to be procured(Under Process)
	DWLR with telemetry (type of system used: GSM/INSAT/VSAT etc)		
ii.	Sampling pump	-	
iii.	GW Monitoring Equipment		
a	Steel tape for Water Level Measurement	20 No	
b	Water Analytical Kit	15 No	
c	Thermometer	15 No	
d	Burnton Compass	15 No	
e	Digital Stop Watch	15 No	
f	Calculator	15 No	
g	Rotring Pen Set	15 No	
h	Screw Driver Set	15 No	
i	Adjustable Spanner	15 No	

**2 Works**

**a. Installation of Piezometers with DWLRs**

i.	Shallow / open wells	-	-
ii.	Medium piezometers(GWOW)	100	50 DWLRs with Telemetry to be procured(Under Process)
iii.	Deep piezometers(GWOW)		

**b. Installation of Piezometers without DWLRs**

i.	Shallow / open wells	570	30 MGWOW Work under progress
	Medium piezometers		
ii.			
iii.	Deep piezometers	50	

**c. Establishment of new River Gauging Station**

	Number of new reservoir measurement stns	1	
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**d. Upgradation of existing River Gauging Station**

	Number upgrade reservoir measurement stns	27	
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**f Total network of all types:**

	Water level gauge only		
	Gauge and discharge sites	28	

**g Construction & establishment of Laboratories**

i.	Level 2+	-	Lab to be inhouse in Water Resources Bhawan(State Data centre)
	Level 2	-	
	Level 1	-	

**h. Construction of Buildings**

i.	State Data Centre	1	Work under progress
ii.	Divisional data centre	-	
iii.	Subdivisional data centre	3	Work under progress
iv.	Training centre	-	
v.	Site offices / site stores etc	7	

**3 Web-site**

a. Web-site Address: [www.pbirrigation.gov.in](http://www.pbirrigation.gov.in)

S. No	ITEM	Procured/Completed	Remarks
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**4 Trainings & Workshops**

a. Number of Trainings organized as per details given below:

S.No.	Name of course	Place where the training was conducted.	Period and Duration of Course	Number of participants	Names of the Implementing Agencies represented
1	One day Training on SWDES Software operation	Planing & Design Studies Dte. Pb, SCO-32-34 Sec.-17-C Chd.	16-09-2009	3	
2	Three days Training on SWDES,IN collaboration with Central Water	Planing & Design Studies Dte. Pb, CHD at Mahatama Gandhi Institute Sec.-26 Chd.	16-12-2009 to 18-12-2009	15	

b. Number of persons deputed for domestic trainings as per details given below:

S.No.	Name of course	Names of the Implementing Agencies Conducting the course	Place where the training was conducted.	Period and Duration of Course	Number of participants
1	Training of Trainers Programme in Hydrometry	National Water Academy, Pune	Pune	16-05-2006 to 26-05-2006	2
2	Preparatory Workshop on Hydrology Project Phase-II to with the support of NIH Rurkee	Bhakra Beas Training Center, Nangal	Nangal	19-08-2006 to 20-08-2006	1
3	Training of Trainers Programme in Hygrometry	National Water Academy, Pune	Pune	22-08-2006 to 01-09-2006	2
4	Workshop on Financial Management in Hydrology Project-II Organization by Ministry of Water Resources Government of India	CWC Seva Bhawan R.K. Puram New Delhi	New Delhi	11-06-2009 to 13-09-2006	3
5	Short Term Training Course on Water Quality Management under Hydrology Project-II	National Water Academy, Pune	Pune	25-09-2006 to 29-09-2006	2
6	Organization of Training Course on application of modern techniques in practicing Hydrology	NIH, Roorkee	Roorkee	09-10-2006 to 13-09-2006	2
7	Training Programme under Hydrology Project-II on Procurement Procedures for World Bank Aided Project	ASCI Campus, Hyderabad	Hyderabad	09-10-2006 to 20-10-2006	4
8	Training of Trainers Programme in surface water data processing and its validation using HYMOS software	National Water Academy Pune	Pune	07-11-2006 to 17-11-2006	3
9	First Training Programme on Integration of Water Quality Monitoring Network under Hydrology Project-II	Zonal Office of Central Pollution Control Board No. 6 West of Chord Road Second Stage Raja Ji Nagar Bangalore	Banglore	06-12-2006 to 08-12-2006	2
10	Training Programme on applications of Geo informatics in water sector under Hydrology Project-II	National Water Academy Pune	Pune	02-01-2007 to 12-01-2007	3
11	Participation in Second Training programme on data acquisition, validation and analysis	Vadodra	Vadodra	10-01-2007 to 12-01-2007	2
12	Workshop on Financial Management to be organized by MoWR	New Delhi	New Delhi	24-01-2007 to 25-01-2007	6
13	Training Regarding Hydromet Observer basic course	New Delhi	New Delhi	16-04-2007 to 04-05-2007	6
14	Work shop on Financial reporting under HP-II	National Water Academy Pune	Pune	24-05-2007 to 25-05-2007	1

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15	Hydrology Project phase-II, One day workshop on Procurement and Financial management issues	CSMRS Building, Hauz Khas, New Delhi	New Delhi	30-07-2007 to 30-07-2007	7
16	Training on financial reporting under Hydrology Project II	Bhujal Bhawan, Faridabad	Faridabad	07-08-2007 to 07-08-2007	2
17	Training programme on Water Pollution and Water Borne Diseases	ITI, Delhi	Delhi	30-08-2007 to 01-09-2007	2
18	Training programme on prediction of Hydrological variables for ungauged basins	CWPRS, Pune	Pune	05-09-2007 to 07-09-2007	3
19	Proposed training on client connection access , one day workshop on procurement and financial management issues	CWMRS Building	New Delhi	06-09-2007 to 06-9-2007	3
20	Performance evaluation & bench marking of water resources projects	National Water Academy Pune	Pune	10-10-2007 to 12-10-2007	1
21	International training programme on procurement procedure for the World Bank	ASCI, Hyderabad	Hyderabad	21-01-2008 to 01-02-2008	3
22	Organization of training course on project hydrology	NIH, Roorkee	Roorkee	25-02-2008 to 29-02-2008	1
23	Hydrology project phase-ii , Training programme under water quality domain during 2007-08 , Training in data acquisition validation , analysis & interpretation	Bhopal	Bhopal	27-02-2008 to 29-02-2008	1
24	Training in quality assurance programme under water quality domain in HP-II	Delhi	Delhi	03-03-2008 to 05-03-2008	1
25	One day Awareness raising programme for hydrological data user group under hydrology project-II	CGWB	Chandigarh	10-03-2008 to 10-03-2008	1
26	Hydrology project phase-ii , Training programme under water quality domain during 2007-08 , water quality data interpretation	Bangalore	Bangalore	17-03-2008 to 19-03-2008	1
27	Workshop on financial reporting under hydrology project-II nomination of officers by IA's organized by the Union Ministry of water resources	National Institute of Hydrology, Roorkee	Roorkee	25-04-2008 to 26-04-2008	4
28	Hydrology project phase-II , Procurement & financial management training workshop	New Delhi	New Delhi	16-06-2008 to 18-06-2008	6
29	Training on Hazardous Waste Characterization	CENC, Patna	Patna	15-11-2008 to 19-11-2008	1
30	Training on Familiarization of GEMS	Water Supply & Sewerage Circle, Government of Himachal Pradesh Shimla	Shimla	30-03-2009 to 01-04-2009	5
31	Workshop on FMR	National Water Academy Pune	Pune	18-06-2009 to 19-06-2009	1
32	Hydrological Investigations, Development & Management of Ground Water in Alluvial Terrain-Techniques, Equipment & Practices	C.G.W.B./NWR, CHD.	Chandigarh	17-11-2009 to 11-12-2009	2
33	Environmental Aspects of Water Resources Project	NWA, Pune	Pune	14-12-2009 to 18-12-2009	2
34	Water Quality Monitoring	Centre for Science & Environment New Delhi	New Delhi	10-03-2010 to 12-03-2010	2
35	Analysis of Basic Water Quality Parameters in Ground Water & Data Validation	Central Ground Water Board , Northern Region Lucknow	Lucknow	16.08.2010 to 20-08-2010	1
36	Training for Arc GIS Desktop Software	Esri India Learning Centre, New Delhi	New Delhi	12.09.2011 to 16-09-2011	11

S. No	ITEM	Procured/Completed		Remarks	
37	Hydrology Project Phase –2 days workshop to review progress of purpose driven studies (PDS) of implementing Agencies	Sewa Bhawan, R.K. Puram, New Delhi	New Delhi	20.09.2011 to 21.09.2011	3
38	Training Co-ordinators meet for preparing Training Calendar for 2012-13 under HP-II	National Water Authority,Pune	Pune	14.03.2012 to 15-03-2012	2
39	Training Course on Hydrological Investigation Techniques for Water Resources Development and Management	National Institute of Hydrology Roorkee under PDS, HP-II	Roorkee	27.08.2012 to	2
40	TOT Programme on Hydrological Aids (SW) under Hydrology Project Phase-II ( Training Programme on HAD-1 Assessment of Water Resources Potential-availability/yield assessment	National Water Authority,Pune	Pune	10.09.2012 to 15.09.2012	2