

F. No. X- 92021/1/2016-NHP/11F8 -1258
Government of India
Ministry of Water Resources, RD & GR
National Hydrology Project

2nd Floor, Block-3, CGO Complex, Lodhi Road
New Delhi, Dated: 23rd June, 2016

ORDER

Sub: Approval of the Cabinet for implementation of National Hydrology Project.

Approval of the President is conveyed for implementation of the National Hydrology Project under the Ministry of Water Resources, River Development and Ganga Rejuvenation with an outlay of Rs. 3679.7674 crore (Rupees three thousand six hundred seventy nine crore seventy six lakh and seventy four thousand only). The total outlay Rs. 3679.7674 crore {Rs.3,640 crore for National Hydrology Project (NHP) and Rs.39.7674 crore for NWIC}, as a Central Sector Scheme, with 100% grant to the State/Central Implementing agencies (IAs) is to be taken up in two stages. The first stage entails an expenditure of Rs 1681.5674 crore. The second stage for the period 2020-21 to 2023-24 has an outlay of Rs 1998.2000 crore. Fifty percent of the amount will come as World Bank loan and the remaining 50% as budgetary support from Government of India for both the Stages.

2. Budget allocation:

The Scheme of National Hydrology Project envisages a provision of Rs. 3679.7674 crore for (i) Water Resources Data Acquisition System; (ii) Water Resources Information System; (iii) Water Resources Operation and Planning; (iv) Institutional Capacity Building; and (v) National Water Informatics Centre (NWIC). The component-wise, stage-wise details of distribution are given below:

	Activities	Outlay (Rs. in Crore)		Total (Rs. in Crore)
		Stage-I	Stage-II	
Component-A	Water Resources Data Acquisition	617	970	1587
Component-B	Water Resources Information System	250	269	519
Component-C	Water Resources Operation and Planning	211	396	607
Component-D	Institutions Capacity Enhancement	544	347	891
	Contingency	19.8	16.2	36
NWIC	National water Informatics Centre (NWIC)	39.7674	-	39.7674
	Total	1681.5674	1998.2	3679.7674

- 2.1 Detailed component-wise, stage-wise yearly financial outlays is given in Annexure I.
- 2.2 Detailed State/Central Implementing Agency's Component wise break-up is given in Annexure II.
- 2.3 Allocations may change based on progress, necessity and utilization of funds by the Implementing Agencies during the course of project implementation.
- 2.4 Budget allocation is in conformity with the Cabinet note and Annexure referred therein.

3. Implementation Plan:

3.1 All the State and Central organizations under the Project will be known as Implementing Agencies (IAs).

3.2 The IAs will be required to submit their Annual Work Plan (AWP) and Annual Procurement Plan (APP) for the year 2016-17 latest by 31.07.2016. The AWP and APP for subsequent year is required to be submitted by 31st December.

3.3 The IAs would be required to submit their final PIPs along with the write-up latest by 30.06.2016. The Template for the PIPs has already been sent to all the IAs.

3.4 The IAs may initiate activities, e.g. preparation of Bid documents, floating of bids, etc. so as to meet the readiness criteria suggested by DEA which stipulates that 30% of the Bids should be ready for award at the time of signing of the Agreement with the World Bank. This para may be read with Para 9 of this G.O.

4. Creation of NPMU/PMUs:

4.1 The National Project Monitoring Unit (NPMU) in the Ministry of Water Resources, RD&GR would be assisted by a Technical Assistance & Management Consultancy (TAMC) for technical and management aspects, including assistance on procurement, MIS etc. and shall also provide support to all the IAs.

4.2 The NPMU would be assisted by Auditing Consultants to carry out independent audit of the State and Central Implementing Agencies w.r.t. to the expenditure incurred and the activities taken up under NHP.

4.3 The State and Central Implementing Agencies (IAs) would be required to have a dedicated Project Monitoring Unit (PMU). The constitution of the same along with their contact details may be furnished to NPMU latest by 15.07.2016.

5. Role of MoWR, RD&GR in NHP.

a. Technical and Management Support (through TAMC/CWC/CGWB)

- i. Finalisation of specifications and Terms of reference of consultancies, Preparation and evaluation of bids etc.
- ii. Evaluation of activities etc.
- iii. Technical support on project implementation

b. Training program through NIH/NWA/RGI

- i. Training program development in all the aspects of project along with academia and R&D institutes across India.
- ii. Provide trainings

c. MIS for project monitoring (financial and physical)

d. Financial Consultancy for auditing

e. MoUs with National and International organizations

f. National Water Informatics Centre with

- i. Accessibility to real time and integrated River Basin information (nearly 100 layers) including high resolution DEM, ET, Weather forecast, historical database.
- ii. Software and support for development of State-WRIS.

- iii. Such an organisation is to be created as per IRDA Act, 1956
- iv. Sharing of data through NWIC / CWC's Earth Receiving Station
- g. CWC's and CGWB's Web-based Database management system
 - i. with cloud storage hence no financial burden to States
 - ii. Provision of linkage with States' Data Centres
- h. Regional River Basin modeling Tools through CWC :
 - i. Flood forecasting and early warning system coupled with weather forecast
 - ii. Water Resources Assessment at River basin scale.

6. *Roles of States & Central Implementing Agencies (IAs) in NHP.*

The IAs need to work in close coordination with MoWR, RD&GR and central agencies to derive maximum benefits through, but not limited to, the following:

- a. Design of hydro-met network
- b. States' Data integration and improving accessibility through NWIC.
- c. River Basin Models for flood forecasting, flash floods and inundation in the affected areas in greater details
- d. Improved assessment of their basin wise water resources.
- e. Timely submission of financial and physical progress reports through MIS.
- f. Timely submission of their annual procurement plans, annual work plans
- g. Timely preparation of bids and procurement of respective goods, works, consultancies etc.
- h. Timely submission of Audited utilization Certificates by CAG Approved Auditors.

7 *MIS/Reporting System:*

Progress of actions to implement the decision of the Cabinet has to be included in Ministry's Monthly summary. The Implementing agencies are advised to submit their Monthly progress report, Expenditure, Bill, Voucher etc. through the MIS System soon to be in place for NHP. This requisite reports may be sent to NPMU in the Ministry of Water Resources, RD&GR every month till such time the MIS is in place.

8. *Fund Flow Mechanism:*

The fund flow mechanism for the National Hydrology Project will be informed separately. In the meantime, as the grants to the States cannot be transferred to the States' Treasury, the Implementing Agencies are requested to open a separate Savings Bank Account in a Scheduled Bank for the NHP and notify the same to NPMU, MoWR, RD&GR.

9. *Procurement Procedure:*

The IAs need to follow the World Bank Procurement Guidelines. The IAs may initiate the preparation of the tender Documents on the same lines. However, only either of the following options may be considered, viz.

- a) The supplier shall supply the equipment and also carry out the O&M services and ensure seamless data communication to the State and Central servers. The contractor shall be paid 40% of the cost at the time of successful commissioning and the balance 60% of the cost together with O&M and data communication over the balance 6 years.


b) The supply of equipment plus the O&M including data communication on six years lease by the supplier. The State government shall pay the monthly/quarterly/yearly lease rental. After six years, the supplier shall transfer the equipment at Rs.1/- to the Government which may assign the O&M contract to the same party.

The standard tender documents provided under NHP have already included the first option. The detailed mechanism for procurement (Procurement manual) under the National Hydrology Project will be informed separately. However, only one of the options mentioned above may be considered.

10. All the States & Central Implementing Agencies, should endeavour to install atleast any 10 nos. of Hydromet equipment (e.g. Rain Gauge, Automatic Weather Stations, DWLRS etc) in the School/College/Panchayat/Community Halls premises for public awareness.

11. This issues with the concurrence of the Integrated Finance Division, MoWR, RD&GR conveyed vide FTS dated 17/6/2016.

12. The Government Order for National Water Informatics Centre (NWIC) will be issued separately.


23/06/2016
(Ashok Gupta)
Director (HP)

Tele-fax No. 011-24363417

To

- 1) Chief Secretaries of State Governments (as per List -I)
- 2) Heads of Central Organisations (as per List-II)
- 3) Principal Secretaries of State Implementing Agencies (as per List-III)
- 4) Project Coordinators/Nodal Officers of State and Central Organisations (List-IV)
- 5) Joint Secretary, Cabinet Secretariat, Rashtrapathi Bhawan, New Delhi w.r.t. letter No. 16/CM/2016 dated 07.04.2016.
- 6) Joint Secretary, PMO, South Block, New Delhi (Kind Attn. Ms. Debashree Mukherjee)
- 7) Joint Secretary (PFII), Department of Expenditure, New Delhi.
- 8) Joint Secretary (Personnel), Department of Expenditure, New Delhi.
- 9) Joint Secretary (MI), Department of Economic Affairs, Ministry of Finance, North Block, New Delhi
- 10) Principal Advisor (WR), NITI Aayog, New Delhi.
- 11) Director (Finance), MoWR, RD & GR, New Delhi.
- 12) Chief Controller of Accounts, MoWR, RD & GR, Shastri Bhawan, New Delhi.
- 13) Pay & Accounts Officer (Sectt.), MoWR, RD & GR, Shastri Bhawan, New Delhi.
- 14) Finance Desk/B&T/GA Section, MoWR, RD & GR/ Guard file.
- 15) Task Team Leader (Dr. Anju Gaur), World Bank, Kasturba Gandhi Marg, Hindustan Times Building, New Delhi (with the request to upload the order on website).

Copy for kind information to:

- 1) PS to Hon'ble Minister (WR, RD & GR)
- 2) PS to Hon'ble Minister of State (WR, RD & GR)
- 3) Sr. PPS to Secretary (WR, RD & GR), MoWR, RD & GR
- 4) PPS to SS (WR, RD & GR), MoWR, RD & GR
- 5) PS to JS (A& GW), MoWR, RD & GR
- 6) PS to JS&FA, MoWR, RD & GR

Component-wise & year-wise Financial Outlay of the National Hydrology Project**

(Rs. in Crore)

Component	Capital/ Revenue	Stage 1								Phase 1 Total	Stage 2								Phase 2 Total	Grand Total
		Year 1 (2016-17)	Year 2 (2017-18)	Year 3 (2018-19)	Year 4 (2019-20)	Year 5 (2020-21)	Year 6 (2021-22)	Year 7 (2022-23)	Year 8 (2023-24)		Year 9	Year 10	Year 11	Year 12						
NHP																				
A1: Hydromet Observation	Capital	40	72	72	252	295	280	90	42	707	1143									
A2: Automated System Operation and Data Acquisition	Capital	7	8	8	3	3	1	1	1	6	32									
A3: Hydro Informatics Centers	Capital	15	40	40	60	80	90	70	17	257	412									
A: Water Resources Data Acquisition System		62	120	120	315	378	371	161	60	970	1587									
B1: National Water Resources Information System	Revenue	5	50	50	80	70	80	50	25	225	410									
B2: Regional Water Resources Information System	Revenue	5	15	15	30	15	15	10	4	44	109									
B: Water Resources Information System		10	65	65	110	85	95	60	29	269	519									
C1: Analytical and DSS tools	Revenue	9	20	20	90	90	95	55	40	280	419									
C2: Purpose Driven Studies	Revenue	2	15	15	20	41	41	11	7	100	152									
C3: Knowledge Products and Dissemination	Revenue	2	5.5	5.5	7	7	4	4	1	16	36									
C: Water Resources Operation and Planning		13	40.5	40.5	117	138	140	70	48	396	607									
D1: Water Resources Knowledge Centers	Capital	10	15	15	33	25	25	12	7	69	142									
D2: Professional Development	Revenue	15	45	45	46	30	25	10	7	72	223									
D3: Project Management and Technical assistance	Revenue	30	20	20	20	15	15	7	7	44	134									
D4: Operational Cost	Revenue	40	55	55	80	50	50	40	22	162	392									
D: Institutions Capacity Enhancement		95	135	135	179	120	115	69	43	347	891									

Annexure- II

State/Central Implementing Agency's Component wise break-up

(Rs in Crore)

S.No.	Implementing Agency	Tentative Allocations	Component wise			
			A	B	C	D
	<i>STATES</i>					
1	Andhra Pradesh (GW)	80.00	48.00	4.00	12.00	16.00
2	Andhra Pradesh (SW)	80.00	48.00	4.00	12.00	16.00
3	Assam	47.00	28.20	2.35	7.05	9.40
4	Bihar (GW)	30.00	18.00	1.50	4.50	6.00
5	Bihar (SW)	105.00	63.00	5.25	15.75	21.00
6	Chattishgarh SW	48.00	28.80	2.40	7.20	9.60
7	Chattishgarh GW	32.00	19.20	1.60	4.80	6.40
8	Goa	68.00	40.80	3.40	10.20	13.60
9	Gujarat (GW)	31.00	18.60	1.55	4.65	6.20
10	Gujarat (SW)	70.00	42.00	3.50	10.50	14.00
11	Haryana (SW)	50.00	30.00	2.50	7.50	10.00
12	Himachal Pradesh	70.00	42.00	3.50	10.50	14.00
13	Jharkhand	60.00	36.00	3.00	9.00	12.00
14	Karnataka (SW)	110.00	66.00	5.50	16.50	22.00
15	Kerala (GW)	40.00	24.00	2.00	6.00	8.00
16	Kerala (SW)	42.00	25.20	2.10	6.30	8.40
17	Madhya Pradesh	90.00	54.00	4.50	13.50	18.00
18	Maharashtra (GW)	36.00	21.60	1.80	5.40	7.20
19	Maharashtra (SW)	150.00	90.00	7.50	22.50	30.00
20	Manipur	25.00	15.00	1.25	3.75	5.00
21	Meghalaya	25.00	15.00	1.25	3.75	5.00
22	Mizoram	31.00	18.60	1.55	4.65	6.20
23	Nagaland	28.00	16.80	1.40	4.20	5.60
24	Odisha (GW)	55.00	33.00	2.75	8.25	11.00
25	Odisha (SW)	60.00	36.00	3.00	9.00	12.00
26	Punjab	74.00	44.40	3.70	11.10	14.80
27	Rajasthan	128.00	76.80	6.40	19.20	25.60
28	Sikkim	25.00	15.00	1.25	3.75	5.00
29	Tamil Nadu	100.00	60.00	5.00	15.00	20.00
30	Telangana (GW)	70.00	42.00	3.50	10.50	14.00
31	Telangana (SW)	97.00	58.20	4.85	14.55	19.40
32	Tripura	25.00	15.00	1.25	3.75	5.00
33	Uttar Pradesh(GW)	50.00	30.00	2.50	7.50	10.00
34	Uttar Pradesh (SW)	121.00	72.60	6.05	18.15	24.20
35	Uttarkhand	75.00	45.00	3.75	11.25	15.00
36	West Bengal (GW)	50.00	30.00	2.50	7.50	10.00
37	West Bengal (SW)	100.00	60.00	5.00	15.00	20.00
	<i>UTs</i>					
1	Delhi	5.00	3.00	0.25	0.75	1.00
2	Puducherry	20.00	12.00	1.00	3.00	4.00

CENTRAL AGENCIES						
1	Ministry of Water Resources, River Development & Ganga Rejuvenation (MoWR, RD & GR)	210.00	10.00	30.00	0.00	170.00
2	Central Water Commission(CWC)	275.00	35.00	35.00	155.00	50.00
3	Central Ground Water Board (CGWB)	85.00	17.00	23.00	35.00	10.00
4	National Institute of Hydrology (NIH)	85.00	10.75	0.00	25.50	48.25
5	Central Water & Power Research Station (CWPRS)	60.00	10.00	0.00	2.00	48.00
6	Central Pollution Control Board (CPCB)	26.00	22.00	1.00	0.00	3.00
7	India Meteorological Department (IMD)	0.00	0.00	0.00	0.00	0.00
8	Survey of India (SOI)	300.00	0.00	250.00	0.00	50.00
9	National Remote Sensing Agency(NRSA)	80.00	0.00	55.00	10.00	15.00
10	Bhakra Beas Management Board (BBMB)	30.00	10.00	2.00	12.00	6.00
11	Damodar Valley Corporation (DVC)	50.00	30.00	2.50	7.50	10.00
	Contingency	36.00				
	NWIC					
1	National water Information centre	39.7674				
	TOTAL	3679.7674	1587	519	607	891