

Office of the Chief Engineer
Bureau of Designs (BODHI)
Water Resources Department, Bhopal (M.P.)

Memo No. 55 / U.S.R./57 Part IX/R&C /Bodhi

Bhopal, Dated 29/01/2018

Sub: - Amendment No.4 to the Unified Schedule of Rates for Works of Water Resources Department in Madhya Pradesh in force from 01/09/2017.

The unified schedule of rates for Water Resources Department in Madhya Pradesh, in force from 01/09/2017 issued and has been uploaded on departmental web site. In continuation to the amendment No. 1 (issued Vide Letter No 746 / U.S.R. part IX/R&C /Bodhi Bhopal, Dated 17/11/2017, amendment No. 2 (issued Vide Letter No 781 / U.S.R. part IX/R&C /Bodhi Bhopal, Dated 29/11/2017) and amendment No. 3 (issued Vide Letter No 855 / U.S.R. part IX/R&C /Bodhi Bhopal, Dated 27/12/2017) Following amendment No. 4 is issued in the above stated unified schedule of rates

AMENDMENT NO.4

CHAPTER NO.6- PRESSURE IRRIGATION NETWORK AND ALLIED WORK

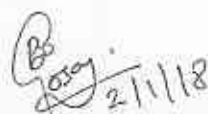
On page 93 new item no 6.42 is added for underground pipe distribution network for hose irrigation system as below:-

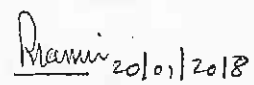
Item No.	Description of Item	Unit	Rate	Remark
6.42	<p>Design and construction of underground pipe distribution network for hose irrigation system, excluding rising main but with pressurized irrigation with duty of 0.45 lit/sec/ha and of working/operating pressure not exceeding 4 kg/cm² with following provisions :-</p> <ol style="list-style-type: none"> 1. HDPE/DWC/SPIRAL DWC/ MS/DI pipe conforming to BIS codes and relevant international specifications for pipes 63 mm to 900mm diameter, 2. Pipes of MS/DI conforming to relevant BIS codes for pipe dia greater than 900 mm. 3. MS pipes shall be with 400 micron food grade epoxy/500 micron polyurethane for inner surface and shotcrete/3 LPE/1000 micron polyurethane coating on outer surface 4. DI pipes shall be with cement mortar lining with seal coat for inner surface and zinc coating on outer surface <p>The rates are inclusive of :-</p> <p>A- All works like excavation, preparation of bedding, laying, joining, backfilling testing and commissioning and testing of the system as per specifications and codal requirements., crossing of all natural drainage, nallas as per requirement of work complete</p> <p>B-Providing and fixing all required valves, bends, manifolds, controls etc conforming to related</p>			

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		BIS/European standards and including Supply, Erection and Commissioning, testing of Outlet Management System with outlet duty of 0.45 lit/sec/ha up to minimum 30 ha which should be able to control the flow as per desired minimum pressure of 1.5 meter exit gradient at service outlet which shall consist of orifice type of nozzle able to deliver desired flow of 4.5 lit/sec/ha at highest point of field facilitating uniform distribution of water to all the users irrespective of its location, elevation and distance from the water supply source including recording, measuring, monitoring and control with suitable power source and alternatively by solar power with three days back up capacity with no recurring cost for Communication with GSM/GPRS/RADIO etc. System should be kept in Protective Enclosure capable of giving vandalism alert and shall be SCADA compliant to the main control room operations including of all material, labour, lead, lift and all incidental charges. (This item shall be used for estimation purpose at DPR stage only. For estimation purpose the CCA in consideration has been suitably sub-divided in 4800 ha boundaries beyond rising/gravity mains. In case the total CCA under consideration is less than 4800 ha the cost of gravity main (GM) shall deemed to be included in this item.)		
6.42.1	From 4800 to 300 Ha chak.		Rs./ha	32351
6.42.2	300 Ha to 30 Ha chak.		Rs./ha	10351
6.42.3	30 Ha to outlet to 1 ha. (including Cost of SCADA, valves, bends, manifolds, controls ,Outlet Management System, outlet with manual valve at one hectare with 10 times duty i/c communications)		Rs./ha	32366
		TOTAL	Rs/ha	75068

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(Bharat Gosavi)
Chief Engineer(Bodhi)
Water Resources Department
Bhopal (M.P.)


(Rajeev Kumar Sukalika)
Engineer-in-Chief
Water Resources Department
Bhopal (M.P.)

Endt. No. 56.../U.S.R. /57 Part IX/R&C/ BODHI,

Bhopal, Dated: 29/01/2018

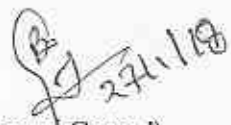
Copy forwarded to :-

1. Personal Secretary to, Hon. Minister, M.P. Water Resources Department, Bhopal.
2. Additional Chief Secretary to Govt. of M.P. NVDA Bhopal.
3. Additional Chief Secretary to Govt. of M.P. Water Resources Department, Bhopal.
4. Engineer in Chief, M.P. Water Resources Department, Bhopal.
5. Engineer in Chief, P.W.D/P.E. Bhopal.
6. Member Engineering, N.V.D.A. New Narmada Bhawan, Bhopal.
7. Project Director, World Bank Projects, Bhopal.
8. Director, WALMI, Near Kaliasote Dam Site, Bhopal.
9. The Accountant General (Civil), MP, M.P. Nagar, Bhopal.
10. The Chief Technical Examiner Govt of M.P. Jail Road Bhopal.
11. The Secretary to Lokayukt, Bhopal
12. The Secretary, Betwa River Board, Jhansi (U.P.)/Chambal Control Board, Kota (Rajasthan)/Bansagar Control Board, Rewa (M.P.)/Inter State Control Board, Sitabuldi, Nagpur (Maharastra).
13. The Secretary, Major Project Control Board, Bhopal.
14. All Chief Engineer, M.P. Water Resources Department

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For necessary action. The copies of the amendment must be circulated at your level to all field officers under jurisdiction.

15. Superintending Engineer (Monitoring), O/O Engineer in Chief, M.P. Water Resources Department, Bhopal.
16. Web Manager, World Bank Projects, Water Resources Department, Bhopal for uploading in departmental web site.

Encl :- as above


(Bharat Gosavi)

Chief Engineer, BODHI
Water Resources Department
Bhopal (M.P.)