

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

Memo No. **712** / U.S.R. part VIII/R&C/Bodhi

Bhopal, Dated 03/09/2016

Sub: - Amendment No.1 to the Unified Schedule of Rates for Works of Water Resources Department in Madhya Pradesh in force from 01/04/2016.

The unified schedule of rates for Water Resources Department in Madhya Pradesh, in force from 01/04/2016 issued and has been uploaded on departmental web site vide Government of M.P. Water Resources Department order No. 35/56/93/e;/e/31/ 293 Dated 26/03/2016. Following amendment / addendum is issued in the above stated unified schedule of rates

AMENDMENT NO.1

CHAPTER NO.3- DAM AND ALLIED WORKS

I. Item no. 3.18 and 3.48 are replaced as below :-

Item No.	Description of Item	Unit	Rate	Remark
3.18	Providing and laying M-20 grade Reinforced Cement Concrete design mix using graded aggregate, clean, hard including cost of all materials(excluding cost of providing and placing reinforcement steel/bars), machinery, labour, formwork, centring, scaffolding, cleaning, batching, mixing, placing in position, levelling, vibrating, finishing, curing, packing joints of shuttering etc. Complete. Using aggregate of maximum size:-			
3.18.1	40 mm	cum	4277.00	
3.18.2	20 mm	cum	4576.00	
3.48	Stripping the seat of embankment of all foreign materials, vegetation and other growth like grass roots etc. and removing the rubbish up to a suitable distance including dressing but excluding jungle clearance etc. complete.	cum	44.00	

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CHAPTER NO.5- CANAL STRUCTURES

(i) Item no. 5.05,5.07,5.10,5.12,5.14 and 5.15 are replaced as below :-

Item No.	Description of Item	Unit	Rate	Remark
5.05	Providing and laying M-20 grade Reinforced Cement Concrete Design Mix using graded aggregate clean, hard for foundation filling and sub structure including cost of all materials (excluding cost of providing and placing reinforcement steel/bars),machinery, labour, formwork, cleaning, batching, mixing, placing in position, levelling, vibrating, finishing, curing ,packing joints of shuttering etc. complete. Using graded aggregates of maximum size:-			
5.05.1	40 mm	cum	4293.00	
5.05.2	20 mm	cum	4620.00	
5.07	Providing and laying M- 25 grade Reinforced Cement Concrete Design Mix for filling foundation & Sub Structure using graded aggregates clean, hard including cost of all materials (excluding cost of providing and placing reinforcement steel/bars), machinery, labour, formwork, cleaning, batching, mixing, placing in position in alternate panels as directed, levelling, compacting, finishing, curing, packing joints of shuttering etc. complete. Using graded aggregate of maximum size:-			
5.07.1	40 mm	cum	5130.00	
5.07.2	20 mm	cum	5281.00	
5.10	Providing and laying M-20 grade Reinforced Cement Concrete Design Mix using graded aggregate clean, hard super structure including cost of all materials (excluding cost of providing and placing reinforcement steel/bars),machinery, labour, formwork, scaffolding, cleaning, batching, mixing, placing in position, levelling, vibrating, finishing, curing ,packing joints of shuttering etc. complete. Using graded aggregates of maximum size:-			
5.10.1	40 mm	cum	5676.00	
5.10.2	20 mm	cum	5834.00	
5.12	Providing and laying M-25 grade Reinforced Cement Concrete Design Mix for super structure using graded aggregates, clean, hard including cost of all materials (excluding cost of providing and placing reinforcement steel/bars), machinery, labour, formwork, cleaning, batching, mixing, placing in position as directed, levelling, compacting,			

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Item No.	Description of Item	Unit	Rate	Remark
	finishing, curing, packing joints of shuttering etc. complete. Using graded aggregate of maximum size:-			
5.12.1	40 mm	cum	6565.00	
5.12.2	20 mm	cum	7016.00	
5.14	Providing and laying Reinforced Cement Concrete Design Mix, using clean, hard, and graded aggregates for foundation filling and substructure including cost of all materials (excluding cost of providing and placing reinforcement steel/bars), machinery, labour, formwork, cleaning, batching, mixing, placing in position in alternate panels as directed, levelling, compacting, finishing, curing, packing joints of shuttering etc. complete. Using graded aggregate of maximum size 20 mm.			
5.14.1	M-30 Concrete	cum	6,414.00	
5.14.2	M-35 Concrete	cum	6,565.00	
5.14.3	M-40 Concrete	cum	6,717.00	
5.14.4	M-45 Concrete	cum	6,868.00	
5.15	Providing and laying Reinforced Cement Concrete Design Mix, using clean, hard, and graded aggregates for super structure including cost of all materials (excluding cost of providing and placing reinforcement steel/bars), machinery, labour, formwork, cleaning, batching, mixing, placing in position in alternate panels as directed, levelling, compacting, finishing, curing, packing joints of shuttering etc. complete. Using graded aggregate of maximum size 20 mm.			
5.15.1	M-30 Concrete	cum	7,167.00	
5.15.2	M-35 Concrete	cum	7,318.00	
5.15.3	M-40 Concrete	cum	7,470.00	
5.15.4	M-45 Concrete	cum	7,621.00	

CHAPTER NO.11- SPECIAL ITEM OF WORKS

(I) New Item no. 11.18 is added as below :-

Item No.	Description of Item	Unit	Rate	Remark
11.18	<i>(This item shall be used for estimation purpose only)</i> Survey, design and construction of underground pipe distribution network for micro irrigation system excluding rising main and sprinkler system but with pressurized irrigation with duty ranging from 0.3 to 0.4 lit/sec/ha and of working/operating pressure not exceeding 6 kg/cm ² with pipes of MS conforming to BIS 5822 and AWWA and DI pipe conforming to BIS 8329 of K7 category (for pipe dia greater than 900mm) and for pipes of dia 900mm and below,			

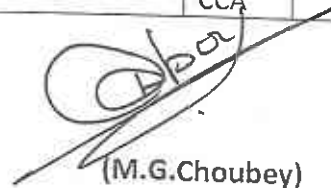
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Item No.	Description of Item	Unit	Rate	Remark
	MS/DI (as specified above) & HDPE pipe as per BIS 4984 of category PE 100 PN 6 including all incidental works like excavation, preparation of bedding as per codal requirements, laying, jointing, backfilling, applying food grade epoxy coating having dry film thickness of 400 micron for lining of inner surface, three-layer polyethylene coating/shotcreting to the external surface for MS pipes i/c testing and commissioning of the system as per specifications complete including all required valves, bends, manifolds, controls etc. conforming to related BIS/European standards including crossing of all rail/ roads, natural drainage, rivers, nallas of any category as per requirement of the owner complete including Supply, Erection and Commissioning of Outlet Management System including filters and control at 20 ha which should be able to control the flow as per desired maximum pressure of 2 kg/cm ² at service outlet after filtration with rotational irrigation 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 cumulative quantity of water delivered to the Outlets and 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 cost of temporary acquisition and required permanent acquisition of land including cost of all material, labour, lead, lift and all incidental charges including all taxes.(Adoption of rate are for estimation purpose at DPR level only)			
11.18.1	From rising main to 500 Ha area	Ha. CCA	45000.00	
11.18.2	500 Ha to 2.5 Ha chak	Ha. CCA	40000.00	
11.18.3	2.5 Ha to outlet (0.6 - 1.2Ha)	Ha. CCA	7500.00	

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(M.G.Choubey)
Engineer-in-Chief
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Bhopal (M.P.)

Endt.No. 713 /U.S.R. / 57 Part VIII/ R&C/ BODHI, Bhopal Dated 03/09/2016.

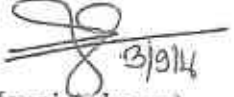
Copy forwarded to :-

1. Personal Secretary to, Hon. Minister, M.P. Water Resources Department, Bhopal.
2. Additional Chief Secretary to Govt. of M.P. NVDA Bhopal.
3. Principal 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.H.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 (Maharashtra).
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


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