

**GOVERNMENT OF MADHYA PRADESH
PUBLIC HEALTH ENGINEERING DEPARTMENT**



मध्यप्रदेश शासन

**SCHEDULE OF RATES
FOR
SEWERAGE MAINTENANCE**

IN FORCE FROM

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**Issued
By**

**Engineer in Chief
Public Health Engineering Department
Bhopal, Madhya Pradesh**

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PREFACE


The cleaning of various diameter of sewer line and other maintenance of sewerage and sewage disposal appurtenances by the P.H.E. Department is very cumbersome job, in absence of sewerage maintenance SOR.

With a view to alleviate this difficulty project circle PHE Deptt. Gwalior. got prepared sewerage maintenance SOR. On the basis of work carried out by the Department and the, then current market rate of labour and material, the same was in force from 1st January 2005 in the project circle Gwalior.

On being observed, that the SOR of Gwalior Project was useful for practical purposes, the same have been got revised for implementation in the whole M.P. State by forming a committee under the chairmanship of Shri M.M. Khaira, then chief Engineer Gwalior Zone PHE Deptt. Gwalior and revision of USOR got accomplished for implementation. I feel assured that with the help of this revised USOR difficulties presently being experienced will be minimised to the maximum extent.

I am thankful to Shri M.M. Khaira & all members of the committee for completing the revision work in time.

Revised USOR shall come in force from 14 November 2011.


(N.K. SEHRA)
Engineer-in-Chief
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Unified Schedule of Rates

General notes & Definitions

- 1 The rates included in the SOR are as per current market rate and the work under progress in the deptt. No work will be awarded to the contractor directly at the rates given in the OR without inviting proper tenders.
- 2 Some poisonous & flammable gas is observed in some deep sewer manhole. The safety of cleaning staff is the responsibility of the contractor.
- 3 The department is not responsible for any accident during cleaning of sewer line. The contractor is fully responsible for any compensation to labour or for any legal action arising due to the accident.
- 4 The tools plant, machinery and pumps required for cleaning should be arranged by the contractor at his own cost.
- 5 The payment will be made after successful testing of line only. No payment will be made for testing work separately.
- 6 All allied civil work under maintenance will be executed as per PHE USOR applicable from 02-12--2009
- 7 Laying and jointing of various sewer line including inter connection and raising of manholes etc. during maintenance will be executed as per PHE USOR applicable from 02-12-2009
- 8 The rates for various works given in the unified schedule of rates include 10% contractors profit and voerhead.
- 9 No payment will be made for dewatering what so ever involving in cleaning of manholes & sewer line. The payment of dat (temporary plugging of chambers will be made for cleaning of chamber only) according to the volume of pipes manholes and drains. The rates of dat is included in the SOR.
- 10 The manhole cover for replacement will be issued for the store & no extra payment will be made for loading unloading and transportation of manhole cover with frame upto the work site.
- 11 The contractor shall be fully and solely reponsible for making all safety arrangements pertaining to the work such as barricading lighting arrangement of gas mask, safety belt and oxygen cylinders etc.
- 12 Shifting of silt and garbage will be done immediately from the site at cost of the contractor.
- 13 Providing and fixing CI/SFRC manhole cover with frame may be replaced (if required) as per ISI mark only. The payment will be made as per the rates applicable in the SOR for sewer maintt. On written parmision from the Executive Engineer.

Chapter-I

Item No.	Description	Unit	Rates
1	Lifting & placing of manhole cover during cleaning of choked sewer & manhole.		
i	SFRC 560 mm dia, 80 Kg.	Each	15.50
ii	C.I. 560 mm dia, 100 Kg.	Each	18.65
iii	C.I. 1.2 x 0.9 m, 220 Kg.	Each	40.40
iv	SFRC 1.2 x 0.9 m, 250 Kg.	Each	46.60
2	Lifting & placing of manholes cover & frame including dismantling of existing C.C. coping (Raising of manholes & All civil work to be paid seperately)		
i	SFRC 560 mm dia, 166 Kg.	Each	40.50
ii	C.I. 560 mm dia, 208 Kg.	Each	46.70
iii	C.I. 1.2 x 0.9 m , 450 Kg.	Each	80.90
iv	SFRC 1.2 x 0.9 m, 550 Kg.	Each	96.40
3	Replacement of manhole cover with frame of approved quality with cost of material & labour (civil work paid seperately)		
i	C.I. manhole cover with frame, 208 Kg.560mm dia&1.2 x 0.9m.	KG	65.00
ii	SFRC manhole cover with frame,HD 560mm dia & 1.2 x 0.9 m.	KG	13.60
4	Lobour for replacement of CI manhole cover with frame including carting from departmental store to site & dismantling of existing cement concrete coping (civil work paid seperately)		
i	SFRC M.H.cover with frame,166 kg. 560mm dia &1.2 x 0.9m.	KG	0.95
ii	C.I. manhole cover with frame, 208 Kg. 1.20 x 0.90 m.	KG	0.90
5	Replacement of MS footrest in existing manhole including dismantling of cements cement concrete block & fixing with 20x20x10 cm cement concrete 1:3:6 block, including cost of labour & material.		
i	with 20 mm square bar. & C.I. footrest 2.5 kg.	Each	178.00
6	Providing & fixing 375x175x140 (section) RCC footrest with 16 mm dia bar fixing with 20 cm x 20 cm x 10cm. Cement concrete block including cost of all material and cutting & making good the wall of the manhole.	Each	96.00
7	Dismantling of old SW pipe, stacking of useful material near the site with 50 m lead & any lift excluding excavation & refilling.		
i	150 mm dia	Per meter	15.90
ii	200 mm dia	Per meter	16.60
iii	250 mm dia	Per meter	17.60
iv	300 mm dia	Per meter	18.50

Chapter-II

Item No.	Description	Unit	Rates
1	Making arrangement for dat (plugging of sewer) including required material such as steel plate, manila rope, gunny bags, earth etc. or by any other plugging device with required T&P and safety equipment including dewatering.		
	Depth upto 1.5 m		
i	150 mm dia	Each	409.00
ii	200 mm dia	Each	412.00
iii	250 mm dia	Each	415.00
iv	300 mm dia	Each	615.00
	Extra rate of depth 1.5m to 3m or part		
i	150 mm dia to 300 mm	Each	19.00
	Extra rate of depth 3m to 4.5m or part		
i	150 mm dia to 300 mm	Each	38.00
	Extra rate of depth 4.5m to 6m or part		
i	150 mm dia to 300 mm	Each	55.00
2	Same as item No 1 but for RCC Sewer.		
	Depth upto 1.5 m		
i	350 mm dia	Each	585.00
ii	400 mm dia	Each	590.00
iii	450 mm dia	Each	504.00
iv	500 mm dia	Each	604.00
	Extra rate of depth 1.5m to 3m or part		
i	350 mm to 500 mm dia	Each	26.00
	Extra rate of depth 3m to 4.5m or part		
i	350 mm to 500 mm dia	Each	55.00
	Extra rate of depth 4.5m to 6m or part		
i	350 mm dia to 500 mm	Each	72.00
	Extra rate of depth 6m to 7.5m or part		
i	350 mm dia to 500 mm	Each	109.00
	Extra rate of depth 7.5m to 9m or part		
i	350 mm dia to 500 mm	Each	150.00
3	Same as item No 2 but for RCC Sewer.		
i	600 mm dia	Each	843.00
ii	700 mm dia	Each	760.00
iii	800 mm dia	Each	880.00
iv	900 mm dia	Each	894.00
v	1000 mm dia	Each	926.00
	Extra rate of depth 1.5m to 3m to or part		
i	600 mm to 1000 mm dia	Each	36.00
	Extra rate of depth 3m to 4.5m to or part		
i	600 mm to 1000 mm dia	Each	70.00

	Extra rate of depth 4.5m to 6m to or part		
i	600 mm dia to 1000 mm	Each	105.00
	Extra rate of depth 6m to 7.5m or part		
i	600 mm dia to 1000 mm	Each	139.40
	Extra rate of depth 7.5m to 9m or part		
i	600 mm dia to 1000 mm	Each	248.00
4	Same as item No 2 but for RCC Sewer.		
	Depth upto 1.5 m		
i	1200 mm dia	Each	1251.00
ii	1400 mm dia	Each	1337.00
iii	1600 mm dia	Each	1416.00
iv	1800 mm dia	Each	13.90
	Extra rate of depth 1.5m to 3m to or part		
i	1200 mm to 1800 mm dia	Each	46.00
	Extra rate of depth 3m to 4.5m to or part		
i	1200 mm to 1800 mm dia	Each	92.00
	Extra rate of depth 4.5m to 6m to or part		
i	1200 mm to 1800 mm dia	Each	138.00
	Extra rate of depth 6m to 7.5m or part		
i	1200 mm to 1800 mm dia	Each	184.30
	Extra rate of depth 7.5m to 9m or part		
i	1200 mm to 1800 mm dia	Each	276.45
	Extra rate of depth 9m to 10.5m or part		
i	1200 mm to 1800 mm dia	Each	368.60
	Extra rate of depth 10.5m to 12m or part		
i	1200 mm to 1800 mm dia	Each	460.75

Chapter-III

Item No.	Description	Unit	Rates
1	Cleaning of silt, sludge brick bats, polythene bags, garbage etc. from choked sewer manholes with all required T&P and safety equipment such as bucket, manila rope, safety belt, gas mask, oxygen cylinder etc. including disposal of silt sludge upto dumping ground of any lead & lift including dewatering but excluding dat(plugging of sewer)		
	Depth up to 1.5 m		211.00
	Extra rate for depth 1.5 m to 3 m or part	Cu. M	10.50
	Extra rate for depth 3 m to 4.5 m or part	Cu. M	21.10
	Extra rate for depth 4.5 m to 6 m or part	Cu. M	23.80
	Extra rate for depth 6 m to 7.5 m or part	Cu. M	26.00
	Extra rate for depth 7.5 m to 9 m or part	Cu. M	29.20
	Extra rate for depth 9 m to 10.5 m or part	Cu. M	30.90
	Extra rate for depth 10.5 m to 12 m or part	Cu. M	35.25

Chapter-IV

Item No.	Description	Unit	Rates
1	Cleaning of silt, sludge brick bats, polythene bags, garbage etc. from choked sewer lines with all required T&P and safety equipment such as bucket, manila rope, safety belt, gas mask, oxygen cylinder etc. including disposal of silt sludge upto 50 m lead & lift upto 1.5m including dewatering but excluding dat(plugging of sewer)		
i	150 mm dia	Per Meter	18.00
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	0.90
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	1.80
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	2.70
2	Same as item No 1 but for 200 mm dia	Per Meter	21.90
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	1.10
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	2.20
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	3.30
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	4.40
3	Same as item No 1 but for 250 mm dia	Per Meter	25.90
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	1.30
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	2.60
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	3.90
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	5.20
4	Same as item No 1 but for 300 mm dia	Per Meter	30.90
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	1.55
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	3.10
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	4.65
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	6.20
5	Same as item No 1 but for 350 mm dia RCC	Per Meter	108.50
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	5.50
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	11.00
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	16.00
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	22.00
	Extra rate for depth 7.5 m to 9 m or part	Per Meter	33.00
6	Same as item No 1 but for 400 mm dia RCC	Per Meter	131.50
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	6.60
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	13.00
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	18.00
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	26.30
	Extra rate for depth 7.5 m to 9 m or part	Per Meter	39.45
7	Same as item No 1 but for 450 mm dia RCC	Per Meter	151.00
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	8.00
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	15.00
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	23.00
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	30.00
	Extra rate for depth 7.5 m to 9 m or part	Per Meter	45.00

8	Same as item No 1 but for 500 mm dia RCC	Per Meter	165.40
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	83.70
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	16.40
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	24.80
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	32.90
	Extra rate for depth 7.5 m to 9 m or part	Per Meter	49.00
	Extra rate for depth 9 m to 10.5 m or part	Per Meter	65.75
9	Same as item No 1 but for 600 mm dia RCC	Per Meter	197.30
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	10.90
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	19.70
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	29.50
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	39.45
	Extra rate for depth 7.5 m to 9 m or part	Per Meter	59.30
	Extra rate for depth 9 m to 10.5 m or part	Per Meter	78.90
10	Same as item No 1 but for 700 mm dia RCC	Per Meter	236.75
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	11.50
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	23.70
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	35.50
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	47.35
	Extra rate for depth 7.5 m to 9 m or part	Per Meter	71.00
	Extra rate for depth 9 m to 10.5 m or part	Per Meter	94.70
11	Same as item No 1 but for 750 mm dia RCC	Per Meter	260.85
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	12.75
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	26.30
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	39.05
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	52.20
	Extra rate for depth 7.5 m to 9 m or part	Per Meter	78.30
	Extra rate for depth 9 m to 10.5 m or part	Per Meter	104.30
12	Same as item No 1 but for 800 mm dia RCC	Per Meter	263.40
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	14.45
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	28.70
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	43.05
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	57.30
	Extra rate for depth 7.5 m to 9 m or part	Per Meter	85.80
	Extra rate for depth 9 m to 10.5 m or part	Per Meter	114.90
13	Same as item No 1 but for 900 mm dia RCC	Per Meter	328.80
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	16.45
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	32.90
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	49.30
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	65.75
	Extra rate for depth 7.5 m to 9 m or part	Per Meter	98.60
	Extra rate for depth 9 m to 10.5 m or part	Per Meter	131.50
14	Same as item No 1 but for 1000 mm dia RCC	Per Meter	376.70
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	18.80
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	37.65

	Extra rate for depth 4.5 m to 6 m or part	Per Meter	56.50
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	75.30
	Extra rate for depth 7.5 m to 9 m or part	Per Meter	113.00
	Extra rate for depth 9 m to 10.5 m or part	Per Meter	123.50
	Extra rate for depth 10.5 m to 12 m or part	Per Meter	188.30
15	Same as item No 1 but for 1200 mm dia RCC	Per Meter	408.00
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	23.00
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	45.00
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	68.00
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	89.00
	Extra rate for depth 7.5 m to 9 m or part	Per Meter	139.00
	Extra rate for depth 9 m to 10.5 m or part	Per Meter	180.00
	Extra rate for depth 10.5 m to 12 m or part	Per Meter	225.00
16	Same as item No 1 but for 1400 mm dia RCC	Per Meter	520.00
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	26.00
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	52.00
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	78.00
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	104.00
	Extra rate for depth 7.5 m to 9 m or part	Per Meter	156.00
	Extra rate for depth 9 m to 10.5 m or part	Per Meter	208.00
	Extra rate for depth 10.5 m to 12 m or part	Per Meter	260.00
17	Same as item No 1 but for 1600 mm dia RCC	Per Meter	598.00
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	30.00
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	60.00
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	90.00
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	120.00
	Extra rate for depth 7.5 m to 9 m or part	Per Meter	176.00
	Extra rate for depth 9 m to 10.5 m or part	Per Meter	238.00
	Extra rate for depth 10.5 m to 12 m or part	Per Meter	299.00
18	Same as item No 1 but for 1800 mm dia RCC	Per Meter	688.00
	Extra rate for depth 1.5 m to 3 m or part	Per Meter	35.00
	Extra rate for depth 3 m to 4.5 m or part	Per Meter	68.00
	Extra rate for depth 4.5 m to 6 m or part	Per Meter	103.00
	Extra rate for depth 6 m to 7.5 m or part	Per Meter	138.00
	Extra rate for depth 7.5 m to 9 m or part	Per Meter	189.00
	Extra rate for depth 9 m to 10.5 m or part	Per Meter	275.00
	Extra rate for depth 10.5 m to 12 m or part	Per Meter	344.00