

Chamber & Manhole

Section :- C



SECTION - C		Manholes & Chambers	
Item no	Size	Unit	Rates for the Year 2008-09
Item no.1			
Valve Chambers and Manholes			
Construction of valves chambers in brick or bela stone masonry, locally available in C. M. 1:6. Foundation concrete 150 mm thick in C. C. 1:4:8 of trap metal size 25 mm to 40 mm thick, inside cement plaster in C. M. 1:3 and cement pointing outside in C. M. 1:3 and top cover of precast RCC slab 100 mm thick (with key hole in two parts, each with handles or MS Bar etc. complete as given size) Upto 1 Mt. depth from G. L. to pipe invert level incl. complete civil works but excl. cost of excavation and refilling. With cast in situ RCC slab in one single piece with fixing of CI-MH Frame and cover (excl. cost of CI-MH Frame and cover) with 23 mm thick brick masonry wall in C.M.1:6			
a) Size of 1.30 m x 1.30 m and 1.0 m deep			
1	With precast slab in two parts 15 mm	No.	5580.00
2	- do - with single piece 10 cm with fixing M. H. cover	"	3830.00
3	With bela in two parts 15 cm	"	4530.00
4	- do - in single piece 10cm	"	4170.00
b) Size of chamber 1.30 m x 0.90 m and 1.0 mt deep			
1	With precast slab in two parts 15 cm	No.	4440.00
2	- do - with single piece 10 cm with fixing M. H. cover	"	3270.00
3	With bela in two parts 15cm	"	3690.00
4	- do - in single piece 10cm	"	3420.00
c) Size of chamber 0.90 m x 0.90 m and 1.0 mt. deep			
1	With precast slab in two parts 15 mm	No.	3570.00
2	- do - with single piece 10 cm with fixing M. H. cover	"	2740.00
3	With bela in two parts	"	3030.00
4	- do - in single piece	"	2830.00
d) Size of chamber 0.60 m x 0.60 m and 1.0 mt. deep			
1	With precast slab in two parts 15 mm	No.	2420.00
2	- do - with single piece 10 cm with fixing M. H. cover	"	1960.00
3	With bela in two parts	"	2060.00
4	- do - in single piece	"	1920.00

Item no	Size	Unit	Rates for the Year 2008-09
Item no.2			
Sewer Manholes			
Providing and constructing Sewer manholes, scraper manholes and unit house connection chamber, as per the type design in brick masonry in C. M. 1:3 and outside plastering in C. M. 1:3 necessary coping in R.C.C.M. 200 fixing C. I. steps and fixing manhole frame and covers (But excluding supply of manhole frame and covers) over manholes and house connection chambers and fixing Manhole covers (but excluding supplying of manhole covers) over scraper manhole etc. complete, providing and fixing safety chain wherever necessary as per the stipulations in the type desing complete (excl. excavation).			
a) Manhole type "A" Circular type having inside diameter of 1200 mm for depth upto 1.5 m depth (for 150 mm to 500 mm dia sewer)			
1	Manhole type "A" as above but upto 1.0 M depth.	No.	4200.00
2	Extra depth beyond 1.0 M but upto 1.5 M depth for "A" type manhole above.	R.Mt.	2840.00
b) Manhole type "B" circular type having inside diameter of minimum 1500 mm and for depth from 1.5 M to 4.0 M (for 150 mm to 600 mm dia sewers)			
1	Manhole type "B" as above but upto 1.5 M depth.	No.	8230.00
2	Extra depth beyond 1.5 M but upto 4.0 M depth for type "B" manhole above.	R.Mt.	4320.00
c) Manhole type "C" circular type having inside diameter of minimum 1500 mm and for depth beyond 4.0 m to 6.0 m (for 150 mm to 1800 mm dia sewers)			
1	Manhole type "C" as above but upto 4.0 M depth.	No.	24580.00
2	Extra depth beyond 4.0 M and up to 6.0 M depth for type "C" Manhole above.	R.Mt.	6720.00
d) Manhole type "D" circular type having inside diameter of minimum 1500 mm and for depth beyond 6 m to 10 m (for 150 mm to 500 mm diameter sewers)			
1	Manhole type "D1" as above but upto 6.0 m depth	No.	37870.00
2	Extra depth beyond 6.0 m and upto 10 mt depth but type "D1" manhole above.	R.Mt.	5780.00
e) Manhole type "D2" circular type having inside diameter of minimum 1500 mm and for depth beyond 6.0 M to 10.0 M (for 600 mm to 1000 mm dia sewers)			
1	Manhole type "D2" as above but upto 6.0 m depth	No.	31660.00
2	Extra depth beyond 6.0 m and upto 10.0 m depth for type "D2" manhole above.	R.Mt.	6490.00

Item no	Size	Unit	Rates for the Year 2008-09
f) Manhole type "D3" circular type having inside diameter of minimum 1900 mm and for depth beyond 6.0 m to 10.0 m (for 1100 mm to 1800 mm dia. sewers).			
1		No.	40480.00
	Manhole type "D3" as above but upto 6.0 m depth		
2	Extra depth beyond 6.0 m and upto 10.0 m depth for type "D3" manhole above.	R.Mt.	7930.00
g) Scraper manhole type "SI" rectangular type for 600 mm dia to 1200 mm dia sewer pipes and for depth 2.5 m to 9.0 m			
1		No.	22970.00
	Scraper manhole type "SI" as above but upto 2.5 m depth.		
2	Extra depth beyond 2.5 m and upto 9.0 m depth for type "SI" scraper manhole above.	R.Mt.	7590.00
h) Scraper manhole type "S2" rectangular type for 1400 mm dia. sewer pipes and for depth 2.5 m to 9.0 m			
1		No.	22560.00
	Scraper manhole type "S2" as above but upto 2.5 m depth.		
2	Extra depth beyond 2.5 m and upto 9.0 m depth for type "S2" scraper manhole above.	R.Mt.	8060.00
Item no.3			
Vertical Drop Manhole			
Providing and constructing vertical drop arrangement of 0.6 m and more height as required including providing and jointing special such as double T. Bend required stoneware pipe fixed in m-100 C. C. at required level as type design cutting, jointing and filleting as per specification etc. complete.			
1	Vertical drop arrangement as above upto 0.6 m height.	No.	1030.00
2	Extra over item No.3.1 above for additional drop beyond 0.6 m	R.Mt.	900.00
Item no.4			
Chamber for House Connection			
Providing and constructing rectangular brick masonry chamber for house connection as per type design in brick masonry in C. M. 1:3 including M-100 in foundation M-150 in benching inside plastering in C. M. 1:3 and outside plastering in C. M. 1:3 coping in M200 fixing C. I. steps and fixing RCC precast or C.I. manhole frame and covers, but Excl. supply of manhole and cover etc. complete excl. excavation.			
		No.	2330.00

Item no	Size	Unit	Rates for the Year 2008-09
Item no.5			
Ventilating Column			
Providing and fixing M. S. ventilating column 150 mm dia.			
		No.	4400.00
Item no.6			
Cleaning of drainage Manhole			
Desilting and cleaning of newly constructed drainage manhole incl. dewatering and excavation of road, disposal of the mud in such a way that it may not be dangerous for health of public and traffic of road.			
1	"A" Type	No.	550.00
2	"B" Type	No.	800.00
3	"C" Type	No.	1050.00
4	"D" Type	No.	1270.00
Item no.7			
Dismantling of dummies in RCC pipe			
Dismantling of dummies in manhole from RCC pipes incl. cost of dewatering and disposal of concrete or masonry waste dismantled from manhole incl. cleaning the pipe and etc.			
1		No.	750.00
Item no.8			
Dismantling of dummies in Stone ware pipe			
Dismantling of dummies from stone ware pipe incl. cost of dewatering and disposal of waste dismantled from manhole incl. cleaning of pipe as per requirement.			
		No.	300.00
Item no.9			
Flushing of drainage pipeline			
Rodding, flushing, cleaning and commission of pipe line section between two manhole (having a maximum length of 60 mt) incl. cost of dewatering disposal of the mud in such a way that it may not obstruct to traffic on road or to health of public.			
1	150 mm dia S. W. Pipe	No.	370.00
2	200 mm dia. S. W. Pipe	"	400.00
3	250 mm dia. S. W. Pipe	"	440.00
4	300 mm dia. S. W. Pipe	"	480.00
5	350 mm dia. to 600 mm dia RCC Pipe	"	510.00
Item no.10			
Desilting of inter septic chamber			
Disilting of inter-septic chambers incl. fixing of covers. Cleaning etc. with cleaning, rodding etc. for 100 mm dia. S. W. pipe chamber to chamber.			
		No.	250.00

Item no	Size	Unit	Rates for the Year 2008-09
Item no.11			
Renovation of manhole			
Renovation of manhole by increasing the height at top including cost of excavation, refitting of C. I. manhole frame and cover curing etc. complete incl. all carting and providing of materials which is required for the purpose (except manhole frame and cover)			
For all type manhole by providing RCC 1:2:4 Partation walls with required reinforcement 25 cm thick and circular opening with 500 mm clear dia and 0.40 mt. av. ht.			
		No.	1600.00
Item no.12			
Tracing of old manhole including brick work for raising manhole in C.M. 1:6 etc comp.			
1 "A" Type		No.	610.00
2 "B" Type		No.	780.00
3 "C" Type		No.	1030.00
4 "D" Type		No.	1270.00