

Subject: Manhole covers for rainwater harvesting pits/structures (RWHS).

Keywords: RWHS, rainwater harvesting, manhole.

1. The details of using manholes covers are given in circular no. 875 (E). This is the supplementary internal memo for RWHS.
2. Wherever manhole covers are at road/driveway level and water can directly flow into the RWHS cement manholes with 4 holes may be used. Such manhole covers are also called grating covers.
3. Use covers with frame outer dia of 710mm, cover size of 610mm and opening of 500mm – circular, cement type. Specs sheet of KK India is attached. Photo of manhole is attached.

4. The strength of the manhole shall be as follows:

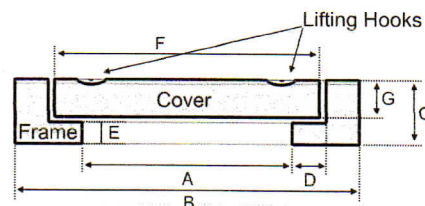
Description	SKU	Cost in Rs.
3 to 6 tons when used on footpaths	BUILIL8955-Building Material-Manhole Set RCC-with 4 holes of 50Dmm-600ODmm 450IDmm 5T-Nos.	Rs. 590/-
10 tons when used in driveways	BUILIL3889-Building Material-Manhole Set RCC-with 4 holes of 50Dmm-700ODmm 600IDmm 10T-Nos.	Rs. 1,298/-
20 tons when used on roads	BUILIL8791-Building Material-Manhole Set RCC-with 4 holes of 50Dmm-700ODmm 600IDmm 20T-Nos.	Rs. 2,006/-
35 tons when used on roads	BUILIL8759-Building Material-Manhole Set RCC-with 4 holes of 50Dmm-700ODmm 600IDmm 35T-Nos.	Rs. 2,537/-

5. This may be used at BRGV, NRK and GVDC.

Soham Modi

Konkrete

Precast Concrete



Product Picture	Product Code	Product Description	Shape	Frame Details					Cover Details	
				A	B	C	D	E	F	G
	MHCF - 01	Extra Heavy Duty - 35	Circular	560	875	175	75	75	720	100
	MHCF - 02	Extra Heavy Duty - 35	Circular	600	910	175	75	75	760	100
	MHCF - 03	Heavy Duty - 20	Circular	690	950	140	50	50	800	90
	MHCF - 04	Heavy Duty - 20	Circular	600	870	155	50	65	710	90
	MHCF - 05	Heavy Duty - 20	Circular	600	910	155	75	75	760	80
	MHCF - 06	Heavy Duty - 20	Circular	560	875	155	75	75	720	80
	MHCF - 07	Heavy Duty - 20	Circular	450	720	155	50	65	560	90
	MHCF - 08	Heavy Duty - 20	Square	600x600	840x840	130	50	50	710x710	80
	MHCF - 09	Heavy Duty - 20	Square	600x600	910x910	155	75	75	760x760	80
	MHCF - 10	Heavy Duty - 20	Square	450x450	760x760	155	75	75	610x610	80
	MHCF - 11	Heavy Duty - 20	Rectangular	600x450	910x760	155	75	75	760x610	80
	MHCF - 12	Medium Duty - 10	Circular	500	710	110	50	50	610	60
	MHCF - 13	Medium Duty - 10	Circular	560	770	110	50	50	670	60
	MHCF - 14	Medium Duty - 10	Square	600x600	810x810	100	50	50	710x710	50
	MHCF - 15	Medium Duty - 10	Square	450x450	660x660	100	50	50	560x560	50
	MHCF - 16	Medium Duty - 10	Rectangular	600x450	810x660	100	50	50	710x560	50
	MHCF - 17	Medium Duty - 10	Rectangular	900x550	1200x855	130	50	50	1000x650	70
	MHCF - 18	Medium Duty - 10	Rectangular	900x800	1350x1250	150	50	50	1025x925	70
	MHCF - 19	Light Duty - 2.5	Square	450x450	610x610	80	30	40	500x500	40
	MHCF - 20	Light Duty - 2.5	Rectangular	600x450	780x630	80	30	40	670x520	40
	MHCF - 21	Gully Trap	Square	260x260	390x390	75	20	30	300x300	40
	GGCF - 01	Gully Grating	Rectangular	500x450	680x630	120	30	50	570x520	70
	GGCG - 02	Gully Grating	Rectangular	600x300	770x470	120	30	50	670x370	70



All above manhole covers can also be provided with suitable holes for rain water drainage.

RCC Manhole Covers & Frames are provided with suitable mild steel rims to prevent damaging of edges and provided with easily lifting hooks duly protected against corrosion. RCC Manhole covers and frames are lighter than cast iron manhole covers & frames and hence easy to handle. These are designed to prevent jamming of cover in frame. Test Load as per (IS-12592) for Extra Heavy Duty is 35 MT, Heavy Duty is 20 MT, Medium Duty is 10 MT, & Light Duty is 2.5MT. Gully Gratings have standard configuration for holes, however, they can be customized on request.

Covers of non standard sizes can also be supplied for which we need the following information:

Outer dimension of the cover with tolerances, Thickness of cover, Loading on the cover, Clear opening of the frame or chamber on which cover is required to be placed.

Konkrete Precast Concrete Products are manufactured using the latest vibro-compaction techniques, accurately designed moulds, appropriate reinforcement with circular plastic spacers and a concrete grade of M25 and above. We can also produce customised products for your special needs, subject to large quantities. To order customised products, sizes, strength required and other necessary information needs to be sent.

In our constant endeavour to improve the products, the specifications may change without notice.

All dimensions are in mm



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BUILIL3889-Building Material-Manhole Set RCC-with 4 holes of 50Dmm-700ODmm 600IDmm 10T-Nos.
BUILIL8791-Building Material-Manhole Set RCC-with 4 holes of 50Dmm-700ODmm 600IDmm 20T-Nos.
BUILIL8759-Building Material-Manhole Set RCC-with 4 holes of 50Dmm-700ODmm 600IDmm 35T-Nos.