

NAME OF THE WORK:- Fire safety measures of Mallikharjuna Mahamandapam at SDMSD

S.No.	Estimate Quantity (only Figures)	Item Detailed Specification Description	Work Type eg. Earth Work, Electrical works.. Etc (upto 200 Characters)	Item Short Description (upto 100 Characters)	APSS / Number	Rate (INR) (Upto 2 Decimals)	UOM (upto 50 Characters)	Amount (INR) (Upto 2 Decimals)
I	100 kld Under ground storage tank							
1		Earth work excavation for foundations and depositing on bank for all lifts and with an initial lead of 10m including all operational, incidental, labour charges such as shoring, sheeting, planking, shuttering etc., complete for finished item of work excluding dewatering charges etc. as per SS-20B (APSS 308)	Earth work excavation for foundations and depositing on bank for all lifts	Earth work excavation for foundations and depositing				
a	90	Soft rock	Soft rock	Soft rock	As directed by Engineer in charge	306.05	Cum	27,545.00
b	72	Hard rock	Hard rock	Hard rock	As directed by Engineer in charge	1103.00		79,416.00
2		Filling with sand (excluding rock) in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance and all operational, incidental, labour charges, hire charges of T&P etc., complete for finished item of work (APSS NO.309&310)	Filling with sand (excluding rock) in trenches, sides of foundations and basement with initial lead in layers	Filling with sand (excluding rock) in trenches, sides of foundations and basement with initial lead in layers				
	13.5	sand filling below the bed			As directed by Engineer in charge	716.2	Cum	9,669.00
3		Plain Cement concrete in prop.(1;4;8) (Cement : fine aggregate: coarse aggregate) using 40mm size (SS 5) hard Granite Machine Crushed Metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate water etc., to site , including all taxes, labour charges , machine mixing, laying of concrete in foundations and under flooring bed, ramming in layers not exceeding 15cm thick, finishing top surface to the required level, curing etc., complete for finished item of work as per (S.S. No. 402)	Plain Cement concrete in prop.(1;4;8) (Cement : fine aggregate: coarse aggregate) using 40mm size (SS 5) hard Granite Machine Crushed Metal from approved	Plain Cement concrete in prop.(1;4;8) (Cement : fine aggregate: coarse aggregate) using 40mm size (SS 5) hard Granite Machine Crushed Metal from approved				
	13.5	pcc below the bottom slab			As directed by Engineer in charge	3496.10	Cum	47,197.00

4	4035.51	Providing HYSD / TMT /MS bars (Fe415) grade as per IS 1786-1979 of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc, complete for finished item of work in all floors. (APSS No.126)	Providing HYSD / TMT /MS bars (Fe415) grade as per IS 1786-1979 of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover	Providing HYSD / TMT /MS bars (Fe415) grade as per IS 1786-1979 of different diameters for RCC works, including labour charges for straightening, cutting, bending to required	As directed by Engineer in charge	64306.10	Kgs	2,59,508.00
5		VRCC M30 Design Mix Concrete corresponding to IS 456 usingWEIGH BATCHER with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc as per(APSS No. 403) with minimum cement content as per IS code including steel Scaffolding pipes, Jack props, steel centering, shuttering , laying concrete, vibrating, curing etc. complete but excluding cost of steel and its fabrication charges &excluding Seigniorage charges for finished item of work.	VRCC M30 Design Mix Concrete corresponding to IS 456 usingWEIGH BATCHER with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like	VRCC M30 Design Mix Concrete corresponding to IS 456 usingWEIGH BATCHER with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved				
a)	10.92	Bottom slab 250mm thick	Bottom slab 250mm thick	Bottom slab 250mm thick	As directed by Engineer in charge	8653.93	Cum	94,501.00
b)	12.78	Side walls 150mm width	Side walls 150mm width	Side walls 150mm width	As directed by Engineer in charge	15673.70	Cum	2,00,310.00
c)	1.82	Beams	Beams	Beams	As directed by Engineer in charge	12129.65	Cum	22,015.00
d)	6.46	Top slab 150mm thick	Top slab 150mm thick	Top slab 150mm thick	As directed by Engineer in charge	8102.45	Cum	52,261.00
6	4	Supplying and fixing Cast Iron Manhole frame and cover 600x600mm(24x 24 MD 10) and Manufacture as per IS 12952 (part 1&2) with ISI mark	Supplying and fixing Cast Iron Manhole frame and cover 600x600mm(24x 24 MD 10) and	Supplying and fixing Cast Iron Manhole frame and cover 600x600mm	As directed by Engineer in charge	1911.0043/Each	Nos	7,644.00

7	162.66	Providing impervious coat to exposed RCC roof slab surfaces to required slopes with CM (1:3) prop. using screened sand 20mm thick (average) mixed with water proofing compound manufactured by reputed manufacturers as approved by Engineer-in-charge at 1 Kg per one bag of cement, laid over roof slab when it is green, finished smooth with a floating coat of neat cement and thread lining at regular intervals of 45cmx45cm including cost and conveyance of all materials like cement, sand, water proofing compound, water etc., to site, excluding seigniorage charges, sales & other taxes on all materials and operational, incidental, and labour charges for mixing mortar, laying, lift charges, rendering smooth and thread lining, curing including rounding off junctions of wall and slab etc., and overheads & contractors profit complete for finished item of work. (APSS No. 901 & 903).	Providing impervious coat to exposed RCC roof slab surfaces to required slopes with CM (1:3) prop. using screened sand 20mm thick (average) mixed with water proofing compound manufactured by reputed manufacturers as approved by Engineer-in-charge at 1 Kg per one bag	Providing impervious coat to exposed RCC roof slab surfaces to required slopes with CM (1:3) prop. using screened sand 20mm thick (average) mixed with water proofing compound manufactured by reputed manufacturers as	As directed by Engineer in charge	4452.05/10 Sqm	Sqm	72,417.00
							Total-I	8,92,482.00
II	Fire fighting requirements							8,72,483.00
1		Providing , laying, testing & Commissioning of following classes MS pipes conforming to IS 3589 and 1239 including fittings like elbows, tees, flanges, tapers, nuts,bolts, gaskets etc., complete. Makes: Jindal / Hissar / Tata pipes	Providing , laying, testing & Commissioning of following classes MS	Providing , laying, testing & Commissioning of following classes	As directed by Engineer in charge			
(b)	15	200 mm dia 'C' Class	200 mm dia 'C' Class	200 mm dia 'C' Class	As directed by Engineer in charge	3276.66	Rmt	49,150.00
2		Supplying and fixing 63mm dia, 15 mtr long RRL hose pipe with 63mm dia Male and Female Gun metal / SS couplings duly binded with GI wire, rivets etc conformingto IS 636 (Type -A) as required.Makes: Newage/ Winco/ Padmini / Safex / Minimax.	Supplying and fixing 63mm dia, 15 mtr long RRL hose pipe with 63mm dia Male	Supplying and fixing 63mm dia, 15 mtr long RRL hose pipe with 63mm dia Male	As directed by Engineer in charge			
	38	63mm dia, 15 mtr long RRL hose pipe	63mm dia, 15 mtr long RRL hose pipe	63mm dia, 15 mtr long RRL hose pipe	As directed by Engineer in charge	6267/Each	nos	2,38,146.00

3		Supply and fixing of Co2 type Fire Extinguishers 4.5 Kgcapacity confirming to IS 2878 made from ISI markedsteam less cylinder confirming to IS:7285 & CE certifiedand fitted with ISI marked controlled valve confirming toIS:3224, high pressure 1 Mtr discharge hose & horncomplete with initial gas charged with carrying handle withwheels and wall mounting bracket. Squeeze leverdischarge, used un-used indicator, Aphoxy coated paint with 93% gloss with 2 years warranty Includingtransportation, all taxes and all labour charges etccomplete.Makes: Cease Fire / Minimax	Supply and fixing of Co2 type Fire Extinguishers 4.5 Kgcapacity confirming to IS 2878 made from ISI markedsteam less cylinder confirming to IS:7285 & CE	Supply and fixing of Co2 type Fire Extinguishers 4.5 Kgcapacity confirming to IS 2878 made from ISI markedsteam less				
	126	Fire Extinguishers	Fire Extinguishers	Fire Extinguishers	As directed by Engineer in charge	10193.54/ Each	nos	12,84,386.00
4		Supply and installation of intallegent analogu addressable rate of rise cum fixed temparature heat detectors including the cost of base plate. 75mm dia MSoutlet box for fixing of the detector base, mounting accessories etc., complete as per specifications and asrequired.Makes: Siemens / Morley / Bosch / Ravel.	Supply and installation of intallegent analogu addressable rate of rise cum fixed temparature heat	Supply and installation of intallegent analogu addressable rate of rise cum fixed				
	6	Heat Detectors	Heat Detectors	Heat Detectors	As directed by Engineer in charge	4633.22	nos	27,799.00
5		Supply and instllation of intallegent analogue addressable photo electric smoke detector including cost of base plateetc., complete as per specification with required fittingsand accessories. Siemens / Morley / Bosch / Ravel	Supply and instllation of intallegent analogue addressable photo electric smoke	Supply and instllation of intallegent analogue addressable photo				
	3	Smoke Detectors	Smoke Detectors	Smoke Detectors	As directed by Engineer in charge	5251.29/each	nos	15,754.00
							Total-II	16,15,235.00
							Total- I & II	25,07,717.00

24,87,718.00

19,999.00

19,999.00