

**Mettur Municipality**  
**TENDER SCHEDULE**

**Estimate Amt.: 1220000.00**

Name of work : Construction of 1 Lakh Lit Capacity Sump @ Mathiyankuttai Elikaradu at Ward No:10 in Mettur Municipality

S. No	Quantity		Description of Work	TND SS	Unit	Rate		Amount	Re marks
						Figure	Words		
1	2		3	4	5	6	7	8	9
			<b><u>I Construction of Sump</u></b>						
1			Earth work excavation and depositing on bank with an initial lead of 10m and initial lift of 2m for foundation including shoring, strutting wherever necessary including hand bailing out water and all other incidental charges. etc. complete as directed by TWAD Board Officers as detailed below.						
			Hard stiff clay, stiff black cotton soil, hard red earth, shales, murams, gravel, stoney earth, and earth mixed with 50% fair size boulders and hard gravelly soil -SS20B		1M <sup>3</sup> (one Cubic Meter)				
	41.64	M3	First depth of 2 m		1M <sup>3</sup> (one Cubic Meter)				
	0.00		Soft disintegrated rock, soft laterited rock or kankar soft rock not requiring blasting.						
	41.64	M3	First depth of 2 m		1M <sup>3</sup> (one Cubic				
			Medium rock and dense medium rock not requiring blasting.						

	55.52	M3	First depth of 2 m		1M <sup>3</sup> (one Cubic Meter)				
	20.82	M3	Second depth of 1 m		1M <sup>3</sup> (one Cubic Meter)				
			Hard rock requiring blasting						
	24.29	M3	Second depth of 1 m		1M <sup>3</sup> (one Cubic Meter)				
2	11.00	M3	Plain cement concrete with P.C.C 1:4:8 (one cement, four sand and eighth course aggregate) using 40 mm H.B.G stone for levelling course including cost of mixing cement, placing, ramming and curing etc., complete as directed by the TWAD Board Officers.		1M <sup>3</sup> (one Cubic Meter)				
3			R.C.C 1:1.5:3 (one cement, one and half sand and three course aggregate) using 20 mm size H.B.G stone (machine crushed) including mixing concrete using machanical mixer machine, and vibrating with machanical vibrator, but excluding cost of steel reinforcement, fabrication and placing the grills in postion and the cost of centering and strutting but including curing, finishing etc., complete as directed by the TWAD Board Officers						
	11.70	M3	Above G.L		1M <sup>3</sup> (one Cubic Meter)				

	5.15	M3	Below GL & upto 1.5 m		1M <sup>3</sup> (one Cubic Meter)				
	26.03	M3	Beyond 1.5 m level		1M <sup>3</sup> (one Cubic Meter)				
4	18.00	qtl	Supplying, fabricating and placing in position of RTS rods at all heights for reinforcement including the cost of steel and binding wire, labour charges etc., complete for all RCC works and as directed by TWAD Board Officers.		Quant ial				
5			Centering for sides and soffits of R.C.C slab for plane surface / curved surface including strutting upto required height using MS sheets of size 90cmx60cm and BG 10 gauge, stiffend with welded MS angle of size 25mmx25mmx3mm laid over silver oak (country wood) joists of size 10cmx6.5cm (space at about 90cm c/c) and supported by casurina props of 10cm to 13cm dia spaced at 75cm c/c complying with standard specification etc., complete as directed by the TWAD Board Officers for the following items						
	35.29	M2	Plain surface		1M <sup>2</sup> (one Meter Square)				
	170.03	M2	Curved surface		1M <sup>2</sup> (one Meter Square)				

	1.93	M2	Circular surface		1M <sup>2</sup> (one Meter Square)				
6	2.00	Nos	Supply and fixing of CI manhole power with frame of size 0.75m x 0.75m with locking arrangements as directed by TWAD Board Officers. The manhole cover frame and cover should be light weight conforming to IS 1726 / 1974		Num ber				
7	4.00	Nos	Supply and fixing of A.C ventilators with wire mesh.		Num ber				
8	11.00	Nos	Supplying and fixing C. I steps inside the sump.		Num ber				
9	1.00	Nos	Providing cut stone set in C.M 1:3 for inlet pipe.		Num ber				
10	1.00	nos	7.50H.P.Submersible Motor 600lpm x 75m open well		Num ber				
11	1.00	nos	3 PHASE PANEL BOARD - STAR DELTA WITH TWO LEVEL GUARD AND AUTO START 15 H.P		Num ber				
12	15.00	Rm	Supply and delivery of 4.00sqmm flat type PVC insulated 3core copper cable confirming to IS694/1990 with ISI Marking suitable for						
13	1.00	No	Labour charges for the erection of submersible pumpset in borewell/openwell including fixing and jointing submersible cable						
14	21.00	M3	Earth work excavation for foundation and depositing on bank with in the initial lead of 10m and a lift of 2m in hard stiff clay, stiff						

15	50.00	M	Towards labour charges for laying of pipe line with specials to proper slopes and gradients including all cost and conveyance						
16	21.00	M3	Refilling with excavated earth after laying the pipes into the trenches including all labour charges etc., Complete as per Standard						
17	1.00	No	Providing pipe connection work for SR.Rate including supply & laying of pipes, specials and valves etc.,complete and as directed by						
18	1.00	No.	Providing and fixing of RCC inner access ladder in RCC 1:1½:3 (one cement, one and half sand and three aggregate) using 20mm						
19	1.00	No.	Supply and Fixing Water Level Indicator Including Cost And Conveyance Etc Com						
			<b><u>II Construction of Pump Room</u></b>						
20	10.00	M3	Earth work excavation and deposing on bank with initial lead of to meters and initial lift of 2 meters hard stiff block cotton hard red earth shale's muram etc complete		1M <sup>3</sup> (one Cubic Meter)				
21	2.00	M3	Plain Cement Concrete 1:4:8 Mix (one part cement, four part sand and Eight part of aggregate) using 40 mm size ISS HBG metal from approved quarry including cost and conveyance of all materials to site. Loading and unloading charges and labour charges for mixing. Laying and curing etc. complete. Complying with std. specifications.		1M <sup>3</sup> (one Cubic Meter)				

22	6.00	M3	Random Rubble Masonry in Cement Mortar 1:5 Mix (one cement, five sand) using new best rough and bond stones from approved quarry including cost and conveyance of all materials to site. Loading and unloading charges and labour charges for mixing, laying and curing etc. complete. complying with std. specifications.		1M <sup>3</sup> (one Cubic Meter)				
23	5.00	M3	Brick Work in Cement Mortar 1:5 Mix (one cement, five sand) using new best II Class Bricks of size 9"x 4 3/8 "x 2 3/4 " from approved quarry including cost and conveyance of all materials to site. Loading and unloading charges and labour charges for mixing, laying and curing etc. complete. Complying with std. specifications.		1M <sup>3</sup> (one Cubic Meter)				
24	13.00	m2	Centering for sides and soffits of R.C.C. slab surfaces such as beams, lintels roof slabs and sunshades including cost and conveyance of all materials to site and labour charges for centering and structing upto 3.00 m height etc. complete. co		1M <sup>3</sup> (one Cubic Meter)				
25	180.00	Kgs	Supplying fabricating and placing in position of steel rods using M.S. or Ribbed Tor Steel including cost of binding wire, cost of labour charges for fabrication and placing in position etc. Complete. Complying with std. specifications.		1M <sup>3</sup> (one Cubic Meter)				

26	1.78	M3	Reinforced Cement Concrete 1:1½:3 Mix (One part cement, one and half part sand and three part of aggregate)using 20mm size ISS HBG metal machine crushed from approved quarry including cost and conveyance of all materials to site, loading and unloading charges and labour charges for mixing, laying and curing but excluding cost of reinforcement etc. Complete with std. Specifications.		1M <sup>3</sup> (one Cubic Meter)				
27	11.00	M2	Plasting in CM 1 : 3 mix, 10 mm thick including cost and conveyance of all materials to site, loading and un loading charges and labour charges for mixing laying, curing etc., complete		1M <sup>3</sup> (one Cubic Meter)				
28	75.00	M2	Plasting in CM 1 : 5 mix, 12 mm thick including cost and conveyance of all materials to site, loading and un loading charges and labour charges for mixing laying, curing etc., complete		1M <sup>3</sup> (one Cubic Meter)				
29	15.00	M2	Ellis Pattern flooring with 20mm thick in Cement Concrete 1:2:4 Mix using 3 to 10 mm Stone Jelly Chips and top surfaces rended smooth in Cement - 10m2 ( no sand to be used )		1M <sup>3</sup> (one Cubic Meter)				
30	5.00	M2	Supply and fixing in position of G.I Sheet door using 20mm swg. G.I Plain sheet main frame with 40mm x40mm x 6mm M.S. Angle door frame 25mmx25mmx5mm M.S. Angle and using 25mmx5mm M.S. plate diagonal with necessary cutting bending drilling holes welding and one coat of primary etc., complete.		1M <sup>3</sup> (one Cubic Meter)				

31	89.00	M2	Cement paint of approved colour and quality including preparation of surface and finishing neatly etc., complete complying with standard specification and as directed by the department officers (S.I.No.359-A)		1M <sup>3</sup> (one Cubic Meter)				
32	12.00	M2	Painting Two Coats on new Iron works with best synthetic enamel paint of approved colour and quality		1M <sup>3</sup> (one Cubic Meter)				