

### **TENDER SCHEDULE**

**Name of the Work:** Proposed Construction of Thirumana Mandapam (6 Nos) Belongs to A/M Subramaniaswamy Thirukoil @ Kundrathur Town, Taluk & Kancheepuram District.

**Name of Contractor:**

**Tender Value:**2,83,55,199/-

**Cost Of EMD** : Rs.1,52,000/-

Sl.No.	Quantity	Description of item	TNDSS NO.	Rate		Per	Amount
				In Figure	In words		
1	798.00 Cu.m	Earthwork excavation in all kinds of soil foundation score and sunsoil except hand rock requiring blasting but including shoring, strutting and refilling the side of foundation with excavated in layers and refilling with sand and gravel rammed consolidated and depositing surplus earth within the compound in places as shown by the departmental officers within initial lead list and including the site etc, complete with standard specification.					
2	100.00 Cu.m	Filling with M.sand for foundation and basement with filling sand to a required thickness will be watered, rammed and consolidated, cost and conveyance of all materials and all labour charges etc, complying with standard specification.					
3	63.00 cu.m	Refilling with excavated earth other than sand with an initial head load of 100 mts. and depositing the earth as shown by the departmental officers in layers of not more than 15 cm thick well rammed, watered and consolidated etc. complete complying with standard specification .					
4	175.00 Cu.m	Filling with crusher stone dust in layers of not more than 15 cm thick well rammed, watered and consolidated etc. complete complying with standard specification.					

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5	99.00 cu.m	Plain Cement concrete 1:5:10mix using 40mm metal hard broken stone jelly including all cost & conveyance of all materials and all labour charges including shoring, strutting, and baling out water wherever necessary removing curing etc, complete complying with standard specification as directed by the departmental officers.					
6		Providing and laying in position, standardised concrete mix M20 Grade in accordance with IS: 456-2000, Using 20mm and downgraded hard broken granite stone jelly for all RCC items works with minimum cement content of 325kg/m <sup>3</sup> maximum water cement ratio of 0.55, including admixture (plasticizer /super plasticizer) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5Cum)7730kg of 20mm machine crushed stone jelly and with about (3.30cum)5156kg of 10-12mm machine crushed stone jelly and with about (4.79cum)7670kg of sand but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing etc and providing fixtures like fan clamps in RCC floors/roof slab where ever necessary without claiming etc. complying with standard specification and as directed by departmental officers. The course and fine aggregates to be used should comply with requirements of IS standards (No separate payment will be made by the department for the excess usage of materials)					
	226.00 Cu.m	a) For foundation and basement					
	344.00 Cu.m	b) for super structure in GF					

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7		Centering soffits of Rcc slab of plain surface , like lintal beams etc, shuttering upto 3m height using mild steel required size , and to stiffened with Ms angles of size 25x25x3mm laid over silver oak country wood joist and supported by casmina post ( spaced 90cm c/c ) 10cm to 13cm ( 75cm c/c ) and removing the same at the a specified period without damaged the RCC works in flooring , complying with standard specification as directed by the departmental officers.					
	937.00 Sq.m	a) for footing & Plinth beam					
	585.00 Sq.m	b) For verticle column					
	1978.00 Sq.m	c) For Roof slab beam and lintels					
8	73.80 Mt	Supply and fabrication of steel placing in portion high storey in deformed bars for RCC works as per design given including of cost of steel and binding wire etc and labour charges etc complete as directed by the departmental officers.					
9		Brick work with cement mortar 1:5 mix using using country bricks of size 83/4"x 41/4"x 23/4" including all cost and conveyance of all materials and all labour charges etc.complete as directed by the departmental officers.					
	133.00 Cu.m	a) For foundation and basement					
	371.77 Cu.m	b) For super structure in GF					
10		Brick work Partition 11.50cm thick using using country bricks of size 83/4"x 41/4"x 23/4" IN Cm 1:3, including plastering both side with Cm 1:4, 12mm thick including cost of conveyance of all materials to the site and all labour charges for laying , mixing mortar curing as directed by the departmental officers, etc complete.					
	301.00 Sq.m	a) For super structure in GF					

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11	4205.00 Sq.m	Plastering with cement mortar 1:5.12mm thick including all cost and conveyance of all materials and all labour charges etc complete as directed by the departmental officers complying with standard specification as directed by the departmental officers.					
12	2615.00 Sq.m	Special plastering and finishing all RCC exposed surface such as RCCslabs,sunshades,Canopies,staircase steps,landing slabs etc,with CM 1:3 (One cement and three sand ) 10mm thick including cost of all charges etc.,complete complying with standard specification and as directed by the departmental officer.					
13	80.00 Cu.m	Weathering course with cement broken prime jelly 20mm sfc in pure slacked lime ( no sand to be added ) over roof slab the proportion of 32:121/2 for required depth and giving slop and thickness as required well beaten with wooden beater adding kodugai and jaggery water etc,complete directed by departmental officers complying with standard specification as directed by the departmental officers.					
14	1005.00 Sq.m	Finishing the top with one course of machine pressed tiles of 20cm x 20cm x 2cm size of approved quality set in cement 1:3,with by wt of water proof compound and pointing with same special mortar including all cost and conveyance of all materials all labour charges etc complete as directed by the departmental officers.					

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15	970.00 Sq.m	Floor finishing with CM 1:3 using Vetrified tiles size 600 mm x 600 mm x 8 mm in all floors over a base layer of cement mortar 1:3 (One cement and three sand) 20mm thick and pointed with colour cement at the rate of 0.3 kg/ sqm including finishing neatly, curing, etc complete, complying with standard specification and as directed by the departmental officers complete. including cost and conveyance of all materials and all labour charges etc complete.					
16	60.00 Sq.m	Providing laying and fixing in position ceramic tiles for the following size of 300 x300mm approved quality and coloyr in cement mortar 1:3 ( One cement and three sand ) 20mm thick including cutting the tiles to the required size with special cutter wherever necessary and pointing the joints with colored cement work 0.40 kg/sq.m including finishing .					
17	281.00 Sq.m	Dadoing wall with glazed tiles of size 300x200x6mm thick laid in CM 1:2,10mm thick and pointing with white cement with matching pickment and as directed by the departmental officers.					
18	21.00 Nos.	Supplying & fixing IWC with "P or "S" trap i/c plumbing work etc complete and as directed by the departmental officers.					
19	29.00 Nos.	Supplying and fixing Nanihi trapi/c plumbing work etc complete and as directed by the departmental officers. a) 100x75					
20	29.00 Nos.	Supplying and fixing SD Tap i/c plumbing work etc complete and as directed by the departmental officers. a) 15mm dia					

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21		Supplying & laying varoius UPVC pipe with following size i/c plumbing work etc complete and as directed by the departmental officers.					
	258.00 Rm	a) 25mm dia					
	280.00 Rm	b) 20mm dia					
22	137.00 Rm	Supplying and fixing in position best approved of BIS quality PVC rain water down fall pipes having a pressure of 4 kg. / sq.cm including cost of necessry PVC shoe, PVC bend, cast iron gratings of required diameter and special clamps, brass screws, nails, etc., and fixing of cast iron gratings at junction of parapet and the RCC roof slab including finishing neatly etc., complete. The rate shall be inclusive of cast of removable cast iron grating. The PVC pipe shall be fixed in wall with special type of "U" clamp at the centre of the pipe line in addition to those for more than 3.0 metre pipe length, etc., complete complying with standard specification.					
23	21.00 Nos.	Supplying & fixing Heavy type Gate Valve i/c plumbing work etc complete and as directed by the departmental officers. A) 25mm dia					
24	3924.00 Sq.m	Colour Washing with two coat to walls using best quality Shell lime one priming coat of white washing etc complete					
25	1978.00 Sq.m	White Washing one coat with freshly burnt white shell lime in all floors including cost of lime blue powder fevicol type,gum, brushes,scaffolding charges etc,complete					
26	1978.00 Sq.m	White Washing two coat with freshly burnt white shell lime in all floors including cost of lime blue powder fevicol type,gum,brushes, scaffolding charges etc,complete					

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27	12.00 Nos.	Supplying and fixing Wash hand basin i/c plumbing work etc complete and as directed by the departmental officers. a) 400x550mm					
28	34.00 Sq.m	Supplying & fixing Solid PVC Panel Doors made on a structure of M.S. tubular frame of 19gauge of 19mm x 9mm for (styles) and 15x15mm ( top & bottom rails ) M.s.frame to be covered with 5mm thick heat moulded PVC"C" Channel of size					
29	6.00 Sq.m	Supplying & fixing Loovered type vintilatore etc complete and as directed by the departmental officers.					
30	4015.00 Kg	Supplying & fixing Ms Grill i/c weldingarrangements etc complete and as directed by the departmental officers.					
31	641.00 Sq.m	Painting two coats of new wood work using best quality and brand of synthetic enamel paint over one priming coat including cost of all charges etc complete as per standard specification.					
32	72.00 RM	Supplying and Laying 110mm dia Pvc pipe for sewage line etc complete and as directed by the departmental officers.					
33	63.00 Sq.m	Supplying and fixing in position of country wood paneled door shutter including cost of wood and labour for wrought and putupetc complete as per standard specification.					
34	161.00 Sq.m	Supplying and fixing in position of country wood glazed window shutter including cost of wood and labour for wrought and putupetc complete as per standard specification.					

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35	324.00 Pt	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated unsheathed single core copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires with TW switch box and 5A FT switch in flush with wall with 3mm thick hylum sheet cover for making good of the concealed portion with suitable colour for PVC concealed light point / fan point (for electronic regulator)					
36	18.00 Pt	Wiring with 2 x 1.5 sq.mm (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe on wall and ceiling with PVC accessories with 150 x 100 x 113mm TW switch box for 5A 3 pin non inter locking Wall socket with 5A flush type switch with painting of suitable colour with continuous earth wire connection of 14 SWG TC wire for open PVC plug point					
37	12.00 Nos.	Supply and fixing of 300mm SL bracket with fancy glass shade and 40W bulb					
38	6.00 Nos.	Supply and fixing of WT bulk head fitting with guard suitable for 11W CFL lamp with CFL					
39	156.00 Nos.	Supply and fixing of single box type 4'36W fluorescent fitting complete with electronic ballast with TW round blocks on wall or ceiling with flu tube with PVC unsheathed Copper leads from terminals to the fitting					
40	12.00 Nos.	Supply and fixing of AC / DC 76mm buzzer / call bell suitable for 230 volts 50 c/s single phase AC supply on suitable TW board with push switch					
41	96.00 Nos.	Supply and fixing of 1200mm (48") AC ceiling fan complete with stepped electronic 300W regulator with 300mm down rod on the existing clamp					

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42	12.00 Nos.	Supply and fixing of 375mm (15") sweep (light duty) AC exhaust fan complete without provision of holes in the wall					
43	12.00 Nos.	Supply and fixing of 5A / 15A 3 pin combined flush type wall socket with 15A flush type switch on suitable TW Box					
44	36.00 Nos.	Supply and fixing of 4'40 W twin street light Fluorescent complete with copper choke and condensor with 32mm GI bend complete on the existing post wall with 16A aerial fuse unit on Ms plate with PVC unsheathed copper leads MS clamps and aluminium painting with fluorescent tubes					
45	6.00 Nos.	Supply and fixing of horizontal tube 4 way triple pole neutral MCB distribution board in sheetsteel enclosure double door with IP43 Protection with 40A 4 pole MCB isolater as incoming and 12 nos. 6A to 32A SP MCB as outgoing in flush with wall and making good of the concealed portion with earth connection. The MCBDB and MCB's should be with the ISI mark (like standard make)					
46	6.00 Nos.	Supply and fixing of TNEB metre board suitable for 3 phase 63A service connection made up of suitable angle iron framework of size 2 feet X 1-1/2 feet using angle iron of size. 1-1/2" X 1-1/2" X 1/4". Rigidly fixed on wall covered with hylem sheet of size 2'x1/2' of 6 mm thickness with necessary Bolts, nuts, supports and supply and fixing up 3 numbers of 63A fuse units(500V).1 No. of neutral link. Copper Earth flat of size 1" into 1/4" with interconnection of EB meter to fuse units by 16 sq.mm. PVC insulated copper wire with Earth connection complete.					

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47	6.00 Nos.	Supply and fixing of 63A TPNMC switch with suitable angle iron framework with Ms Cable entry box with earth connection only.					
48	12.00 Nos.	Supply and fixing of brass cable gland for 3-1/2 x 35 sq.mm PVC LTUG aluminium armoured cable with Earth connection.					
49	120.00 Rm	Supply and laying of 3 1/2X 35 sq mm PVC LTUG aluminium armoured cable in a trench to be excavated. Depth of 0.75 m putting 0.15 m. Layer of sand and covering the cable completely with bricks and sand and refilling the earth to make good.					
50	90.00 Rm	Supply and clamping of 3 1/2X 35 sq mm PVC LTUG armoured cable on poster on wall with Ms clamps.					
51	60.00 Rm	Supply and run of 4 of 16 sq.mm. (84/0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection by 14 SWG TC wire and making good of the cancelled portion with suitable colour.					
52	6.00 Nos.	LS provision of 3 phase EB charges.					
53	90.00 Nos.	Supply and fixing of 3 Nos. 5A (3 pin and 2 pin) combined flush type wall socket with control switches concealed in suitable TW box covered with hylem sheet in flush with wall with earth connection (for computer plug socket)					

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54	1000.00 Mt	Supply and run of 2 of 4 sq.mm. (56 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V gradeinsuitable PVC rigid pipe on cealed in wall and ceiling with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour					
55	12.00 Nos.	Supply and fixing of 8 way single pole and neutral MCB sheet steel enclosure distribution board of double door type with metal door with IP43 protection with 1 No. 32A DP MCB as incoming and 6 Nos. 6A to 32A SPMCB outgoing in flush with wall and making good of the concealed portion with earth connection only. The MCB DB and MCB's should be with ISI mark (like standard make)					
56	12.00 Nos.	Supply and providing cable end termination of 3 1/2 x 35					
57	6.00 Nos.	Earthing as per PWD standard with an earth electrode of 2 metre Class 'B' GI pipe of dia not less than 32mm complete with necessary masonry work					

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