

## **SCHEDULE – A**

### **VETTAIKARANPUDUR TOWN PANCHAYAT**

Est. No.:

Sold to : Thiru.

Estimate Amount: **Rs.1,500,000**

Challan No.

Date.

EMD.Amount :

Tender Date & Time:

Schedule of rates and approximate quantities to accompany the tender for the work of

#### **Construction Of Community Toilet at Ward 10 Somanathapuram Harijana Colony in Vettaikaranpudur Town Panchayat.**

- a) The quantities have given are those upon which the lump-sum tender cost at the work is caused but they are subject to alterations, omissions, deductions or additions as provided for in the conditions of the contract and do not necessarily show the actual quantities of the work to be done. The unit of rates noted below are those governing payment for extras or deductions for omission according to the conditions of the contract as set forth in the conditions and specification for the contract.
  
- b) It is to be expressly understood that the measured work it is to be taken out (Not withstanding any customarily practice to the contrary according to the actual quantities when the place and finished accordingly to the Drawings or as may be ordered time to time by the Town Panchayat Engineer and the cost calculated by works connected there with. The rate quoted is for the works in site and complete in every respect.
  
- c) The material required for the works must be supplied by the contractor and of the approved quality

## TENDER SCHEDULE

**Name of work : Construction Of Community Toilet at Ward 10 Somanathapuram Harijana Colony in Vettaikaranpudur Town Panchayat.**

**Estimate amount: Rs.1,500,000**

**Name of Scheme: SWACHH BHARAT MISSION 2021-2022**

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
1	60.00	Cum	Earth work excavation for foundation in Hard stiff clay, stiff black cotton, hard red earth, shales murram, gravel, stoney earth and earth mixed with small size boulders SS.20B and Sand, silt or other loose soil, wet sand, or silt not under water, light black cotton soil, sandy loam ordinary soil and to full depth as may be directed except in hardrock requiring blasting inclusive of shoring shuttering and baling out water and cleaning and levelling the site etc., complete Earthwork Excavation				1 m3 (One Cubic Metre)	
2	13.00	Cum	Plain Cement Concrete 1:4:8 (one cement four fine aggregates and eight coarse aggregates) using 40mm size ISS HBG metal including cost and conveyance of all materials to site and including for the mixing, laying and labour charges and all incidental charges such as water providing etc., complete as per standard specification				1 m3 (One Cubic Metre)	

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
3	61.50	Cum	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specification. (Payment for centering shall be given after the concrete is laid) - Centering 1				1 m3 (One Cubic Metre)	
4			Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at abote 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specificaliton. (Payment for centering shall be given after the concrete is laid) - Centering 2					
a	103.50	Sqm	For plane surfaces such as slab,beam, etc.				1 m2 (One Square Metre)	

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
b	50.00	Sqm	For plane surfaces such as rectangular or square RCC columns, sunshades, top and bottom slab of RCC boxing, etc.				1 m3 (One Cubic Metre)	
5			M-25 CONCRETE - Providing and laying in position, standardised design mix M-25 Grade using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 350Kg/m3 and maximum water cement ratio of 0.55, including admixture(plasticiser/super plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.70 cu.m.)940.50Kg of 20mm machine crushed stone jelly and with about (2.80 cu.m.)462.00Kg of 10-12mm machine crushed jelly and with about (4.25 cu.m.)701.25Kg 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 the RCC floor/roof slabs wherever necessary without clamping extra, etc. complete complying with standard specification and as directed by the departmental officers. the coarse and fine aggregates to be used should comply with the requirements of IS 383-2016. (No separate payment will be made by the department for the excess usage of materials as per design mix.)					

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
a	11.00	Cum	Basement				1 m3 (One Cubic Metre)	
b	14.50	Cum	Ground floor				1 m3 (One Cubic Metre)	
6	2.04	MT	Suppling and fabricating and placing in position MS (or) R.T.S. bar for reinforcement to all RCC works as per the design given including cost of steel and binding wire also in all floors.				1 M T(One Metric tone)	
7			Brick work in CM 1:5 (one cement & five sand) using II class ground moulded bricks of size 9"X43/8"X 2 3/4" including finishing, curing, etc., complete complying with standard specification.-					
	7.00	Cum	Basement				1 m3 (One Cubic Metre)	

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
	31.50	Cum	Ground floor				1 m3 (One Cubic Metre)	
8	22.50	Cum	Supplying and filling in foundation and basement with Good earth in layers of not more than 15cm thick well rammed watered and compacted etc., complete complying with standard specification.- Basement filling				1 m3 (One Cubic Metre)	
9	4.50	Cum	Brick partition walls of 10.80cm thickness using best quality country bricks of size 8-3/4" x 4-1/4" x 2-1/4" in Cement Mortar 1:3 (One Cement and Three Sand) using hoop iron reinforcement if found necessary including curing etc. complete and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately)				1 m3 (One Cubic Metre)	
10	451.18	Sq.m	Plastering with cement mortar (1:5) 12mm ,thick in all floors including cost and conveyance of all materilas to site and labour charges etc,complete as per standard specifications (S.I.306)				1 m2 (One Square Metre)	

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
11	58.00	Sq.m	Plastering with cement mortar (1:3) 10mm thick in all floors including cost and conveyance of all materials to site and labour charges etc, complete complying with standard specifications (S.I.309				1 m2 (One Square Metre)	
12	58.00	Sqm	White washing two coats with freshly burnt shell lime white in colour in all floors including cost of lime and other materials brushes scaffolding charges etc.complete complying with standard specification and as directed.				1 m2 (One Square Metre)	
13	422.18	Sq.m	Painting 2 coats with approved cement paint over cement plastered wall surface, ceiling and other new surface and including cleaning, preparing the surface and curing etc., complete.				1 m2 (One Square Metre)	
14	21.00	Sq.m	Paving the floor with design antiskid ceramic tiles (colour and shade as directed) of size 305mm x 305 mm x 6mm in all floor aver a base layer of cement mortar 1:3 (one cement and three sand) 20 mm thick laid in situ and pointed with same coloured cement.				1 m2 (One Square Metre)	

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
15	46.00	Sqm	Finishing the top of floor with Granolithic Finish with CC 1: 2: 4 (one cement, two sand & four HBG jelly) using chips of grade 10 mm and below for 25mm thickness and rubbed smooth etc, complete as per standard specification				1 m2 (One Square Metre)	
16	29.50	Sq.m	Dadoing walls with Glazed tiles of sizes 305mm X200mm X 6mm size of approved make and quality and colour 1 Set in cement mortar 1:2 (one cement ,two sand) over 10 mm base layer plastering and pointing with white cement neatly as directed.				1 m2 (One Square Metre)	
17	20.00	Sq.m	Solid PVC door shutters using 19 Gauge 19mm MS square tubes for styles and outer frames. 15mm MS square tubes for top, lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC sheets. Shutter using 5mm thick solid PVC sheets for paneling shall rigidly fixed in position including necessary furniture and fittings. The over all size of styles shall be 50mm x 30mm. The over all size of top rail, Lock rail and bottom rail shall be 75mm x 30mm. The over all size of frames shall be 50mm x 45mm, with suitable rebate for housing the shutter and should have provision to fix AL drops, tower bolt hinges and lock plates inclusive of cost of all materials etc. complete complying with thew standard specifications.				1 m2 (One Square Metre)	



Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
18	8.00	Sq.m	Manufacturing, Supplying and Fixing of Stainless Steel Hand rails for staircase using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick at required locations to a height of 900mm from finished floor level welded to 38mm dia Stainless Steel pipe post of 1.00mm thick as vertical at 900mm centre with 2 Nos. of 25mm dia intermediate horizontal stainless steel pipe of 1.60mm thick in between. The vertical pipe has to be welded to the 100 X 100 X 6mm MS base plate encased in the base concrete. The rate is inclusive of the charges for cutting, bending, welding, grinding, polishing, conveyance, electrical charges, etc. complete				1 m2 (One Square Metre)	
19	1.00	Nos	Supply and delivery and fixing of HDPE tank as per IS 12701 / 1996 including loading,unloading, transportation and labour charges for fixing of the GI pipes and specials for pipe connection works including cutting, threading and fixing charges etc.,				1 No (One Number)	

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
20			Supplying, laying and jointing PVC pipes (having working pressure 10 kg. / sq.cm) of approved quality and best variety conforming to BIS of the following dia including cutting, threading and fixing PVC specials using PVC adhesives (but excluding cost of such specials) and fixing into wall with teak wood plugs, PVC clamps and screws making holes on the wall (or) drilling holes in the roof and making good the dismantled portion to original condition with necessary brick work / cement concrete and plastering neatly wherever necessary with necessary scaffolding charges, etc., complete complying with standard specifications. The PVC pipes shall be got approved by Executive Engineer before use on works.					
	16.00	RM	25mm dia				1 RM (One Running Meter)	
	10.00	RM	32mm dia				1 RM (One Running Meter)	

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
21			Supplying, laying and jointing PVC pipes (having working pressure 6 kg. / sq.cm) of approved quality and best variety conforming to BIS of the following dia including cutting, threading and fixing PVC specials using PVC adhesives (but excluding cost of such specials) and fixing into wall with teak wood plugs, PVC clamps and screws making holes on the wall (or) drilling holes in the roof and making good the dismantled portion to original condition with necessary brick work / cement concrete and plastering neatly wherever necessary with necessary scaffolding charges up to 4 meter height above ground level, etc., complete complying with standard specifications. The PVC pipes shall be got approved by Executive Engineer before use on works.					
	20.00	RM	32mm dia				1 RM (One Running Meter)	
22			Supplying PVC Specials (with working pressure 6 kg. / sq.cm.) in water supply arrangements (both in internal and external water supply arrangements					
			<b>Coupler</b>					

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
	5.00	No	25 mm Dia				1 No (One Number)	
	5.00	No	32 mm Dia				1 No (One Number)	
			<b>Elbow</b>					
	5.00	No	25 mm Dia				1 No (One Number)	
	5.00	No	32 mm Dia				1 No (One Number)	
			<b>BEND</b>					
	5.00	No	25 mm Dia				1 No (One Number)	
	5.00	No	32 mm Dia				1 No (One Number)	
			<b>Tee</b>					

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
	5.00	No	25 mm Dia					
	5.00	No	32 mm Dia					
			<b>End Cap</b>					
	5.00	No	25 mm Dia				1 No (One Number)	
	5.00	No	32 mm Dia				1 No (One Number)	
			<b>Reducer</b>					
	1.00	No	20 mm x 15 mm				1 No (One Number)	
	5.00	No	25 mm x 20 mm				1 No (One Number)	
			<b>Reducer Tee</b>					
	1.00	No	20 mm x 15 mm				1 No (One Number)	

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
	1.00	No	25 mm x 20 mm				1 No (One Number)	
	1.00	No	32 mm x 25 mm				1 No (One Number)	
			<b>Reducer Elbow</b>					
	1.00	No	20 mm x 15 mm				1 No (One Number)	
	1.00	No	25 mm x 20 mm				1 No (One Number)	
			Jet Nipple				1 No (One	
	1.00	No	25 mm Dia				1 No (One Number)	
	1.00	No	32 mm Dia				1 No (One Number)	

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
23			Supplying and fixing in position PVC specials of the following dia and types of approved quality confirming to BIS and providing leak proof joints including fixing to the walls and giving connection to the PVC soil stacks, dismantling the masonry or RCC works and re-doing the dismantled portion to original condition etc., complete complying with standard specifications. (The PVC specials should be got approved by the Executive Engineer before use on works).					
			<b>PVC Elbow</b>					
	2.00	No	110mm dia				1 No (One Number)	
	1.00	No	75mm dia				1 No (One Number)	
			<b>PVC Elbow with Door</b>					
	2.00	No	110mm dia				1 No (One Number)	
	1.00	No	75mm dia				1 No (One Number)	

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
			PVC Tee					
	2.00	No	110mm dia				1 No (One Number)	
	1.00	No	75mm dia				1 No (One Number)	
24	8.00	No	Supplying and fixing in position Indian Water Closet (Oriya type) of size 580 x 440mm White/Color glazed earthen ware of approved quality and brand with "P" or "S" trap conforming to BIS with Sand cushion and forming flooring alround the closet using 40mm broken brick jelly in lime concrete 1:2:5 (One lime, Two Sand and Five brick jelly) 100mm thick and finishing the top to the required slope and including giving necessary connection to CI soil pipes (including the cost of 100mm dia CI pipe for a length of 600mm) by dismantling brick masonry wall / reinforced cement concrete roof / floor slab and making good the dismantled portion to the original condition with leakages etc., complete complying with standard specifications and as directed by the departmental officers. (The water closet should be got approved by the Executive Engineer before use on works).				1 No (One Number)	



Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
25	2.00	No	Supplying and fixing in position white / colour glazed European Water Closet of best quality and approved make with 100 mm "P" or "S" trap connecting with CI pipe of 100mm dia / PVC pipe of 110mm dia, double flapped rigid PVC black seat and seat cover with CP brass hinges including cost of white cement, cement for packing, spun yarn, teak wood plugs, brass screws, etc., including supplying and fixing 10 liters capacity PVC / 12.5 liters capacity porcelin low level flushing tank with a pair of CI brackets, etc., complete with all fittings such as 15mm brass ball valve with polythene float with brass handle, union, coupling connected by means of 40mm white PVC flush hand using Indian adopter joint including all internal fittings.				1 No (One Number)	
26	5.00	RM	Providing & fixing PVC RAIN WATER DOWNFALL PIPE of the following dia with necessary T.W.Clamps Plugs, Shoes,Bemds, other clamps, screws nails etc.,complete complying with standard specification. The rate is inclusive of cost of removable iron gratings of appropriate size. The size of Teak Wood plugs used is 150X25mm in front & 200x75mm in rear (wall side) with a depth of 110mm. The pipe is to be fixed by means of "U" clamps at the centre of pipes to be fixed.110mm dia PVC Pipe [4 Kg/SqCm]				1 RM (One Running Meter)	

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
27	1.00	Nos	Supplying and Fixing of 3 Phase DB with MCB 12 way TPMCB sheet steel distribution boards (flush type/surface type) fitted with bus bars and neutral links with three phase MCB outgoings and separate 4 way provision for accommodating One No. 4 pole incoming MCB / Isolator and another separate 4 way provision for accommodating One No. 4 pole ELCB / RCD (totally 8 ways in one segment) (3 x 4 ways in each segment) and separate provisions for MCB / Isolator (totally 12 Nos.) for sub incomers in 3 segments with label holder etc.complete in all respects as directed by the departmental officers				1 No (One Number)	
28	30.00	Nos	Supply and run off 2 of 2.50sqm PVC insulated single core unsheathed copper conductor cable of 1100 V grade with ISI mark confirming to IS:694/1990 with continuous earth connection by means of 1.50 sqm PVC insulated single core unsheathed copper conductor cable confirming to IS:694/1990 in suitable PVC rigid pipe 1.8mm thick concealed in wall for mains including the cost of PVC pipes and specials, cables, cement, brass screws, T.W plugs, saddles and labour etc., complete in all respects as directed by the departmental officers. (derived from SD 55)				1 No (One Number)	

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
29	1.00	No	Supply and fixing of TNEB meter Board suitable for 32 A Three phase service connection with 32A fuse unit(500V)32A neutral link and earth link (1" x 1/8" Copper flat) on T.W plank of size 600mm x450mm x 19mm with supportingT.W.reepers of 1" thick oneither sider with painting withsuitable bolt and nuts for fixingthe TW plank on wall withearth connection and interconnection with 7/20 PVCinsulated copper wire from EBmeter to fuse unit. SD 127)				1 No (One Number)	
30	9.00	Point	Wiring with 2 x 1.5 sqmm (22 /0.3 ) PVC insulated single core unsheathed copper conductor cable of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories inflush with wall with 3mm thick hylum sheet cover with TW switch box and 5A F.T. switch with continuous earth wire connection of 14 SWG TC wire for making good of the concealed portion with suitable colour for PVC concealed light point / Fan point (For Electronic regulator). SD 23				1 Pt (One Point)	

Sl. No.	Probable Quantity		Description of Work	TNDSS & MORTH Specification No.	Rate		Unit	Amount
					In Figures	In Words		
31	1.00	Point	Wiring with 2 x 1.5 sqmm (22 /0.3 ) PVC insulated single core unsheathed copper conductor cable of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories inflush with wall with 150 x 100 x 113 mm TW switch box with 3mm hylum sheet cover for 5A 3 pin non inter locking CS plug with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour for concealed PVC plug point. SD 38				1 Pt (One Point)	
32	9.00	No	40 W LED Tubelight for T8 Fitting Single side (15- e)				1 No (One Number)	