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Item Rate BoQ

Tender Inviting Authority: Polur Special Grade Town Panchayat, Tiruvannamalai District

Name of Work: Construction of Daily Market in Ward No.13, (Vasu Sriramalu Street) SF.No.55B in Polur Town Panchayat.

Contract No: 71/2022/HC

Name of the Bidder/ Bidding Firm / Company :							
PRICE SCHEDULE							
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)							
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	6	13	53	55
1	<i>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 block cotton, hard red earth, shales, murram, gravel, stoney earth and earth mixed with small size boulders etc.,as per SS 20 A. TNDSS NO: 23 & 24 VI (S2) VI,VII 9,10 with standard specifications.</i>						
1.01	<i>First Depth</i>	1120.000	m3	0.00		0.00	INR Zero Only
1.02	<i>Second Depth</i>	397.000	m3	0.00		0.00	INR Zero Only
1.03	<i>Third Depth</i>	74.000	m3	0.00		0.00	INR Zero Only
1.04	<i>Plinth Beam</i>	256.000	m3	0.00		0.00	INR Zero Only
2	<i>Collection supply and filling of Stone Dust filling approved quarry including cost and Conveyance of all materials to site and all labor charges for filling etc., Complete</i>	286.000	m3	0.00		0.00	INR Zero Only

3	<i>Providing of Granular Sub base using Grade I materials of table 400 -1 of Morth with minimum CBR 30 spreading in uniform layers with motor grader on prepared surface, mix in by palce method at OMC and compacting with Vibratory Roller to achieve the desired density including all labourcharges etc, complete as per technical specification and as directed by the departmental officers. Morth - Rev V No. 111,112,401,900 (Data 9)</i>	137.000	m3	0.00		0.00	INR Zero Only
4	<i>Plain Cement Concrete 1:4:8 Mix (one part cement, four part sand and Eight part of aggrigate) 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 as per TNDSS NO : 28 & VI (S2) VI (S5A) VII standard specifications as directed by Engineer incharge.</i>	455.000	m3	0.00		0.00	INR Zero Only
5	<i>Collection supply and filling of well gravel filling approved quarry including cost and Conveyance of all materials to site and all labour charges for filling etc., Complete.</i>	610.000	m3	0.00		0.00	INR Zero Only
6	<i>Supplying and erecting centering to sides and soffits including supports and strutting with necessary cross bracing for plain surface such as RCC slabs rectangular beams all beams lintels etc., centering for soffits upto 3 meter height using mild steel sheet of size 90 cm x 60 cm x 10 mm gauge with MS angles of size 25mm x 25mm x 3mm laid over silver oak (CW) joists of size 10cm x 6cm spaced upto 90cm c/c and casurina props or 10 cm to 13 cm dia spaced at 0.750 cm c/c complying with standard specifications as per TNDSS NO : 30 & 86.</i>						
6.01	<i>Foundation and Basement</i>	2392.000	m2	0.00		0.00	INR Zero Only

7	Supplying and erecting centering to sides and soffits including supports and strutting with necessary cross bracing for plain surface such as RCC slabs rectangular beams all beams lintels etc., centering for soffits upto 3 meter height using mild steel sheet of size 90 cm x 60 cm x 10 mm gauge with MS angles of size 25mm x 25mm x 3mm laid over silver oak (CW) joists of size 10cm x 6cm spaced upto 90cm c/c and casurina props or 10 cm to 13 cm dia spaced at 0.750 cm c/c complying with standard specifications as per TNDSS NO : 30 & 86.						
7.01	For plane surfaces such as RCC floor slab, roof slab, beams, lintels, bed blocks, landing slab, waist slab, portico slabs and beams, etc.	688.000	m2	0.00		0.00	INR Zero Only
7.02	For plane surfaces such as vertical slab, side slabs of boxing, vertical drops, facia, vertical wall, etc.	416.000	m2	0.00		0.00	INR Zero Only
7.03	For plane surfaces such as rectangular or square RCC columns, sunshades, top and bottom slab of RCC boxing, etc.	322.000	m2	0.00		0.00	INR Zero Only
8	Reinforced Cement Concrete M20 grade 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.(Using Vibrator) TNDSS NO: 30 V, VI (S3), VII-3.						
8.01	Foundation and Basement	239.004	m3	0.00		0.00	INR Zero Only
8.02	Ground Floor	5.000	m3	0.00		0.00	INR Zero Only

9	<p><i>Providing and laying in position Standardized Concrete Mix M-30 Grade in accordance with IS 456 - 2000 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 400Kg/ cum and maximum water cement ratio of 0.55 including admixture (Plasticizer / super plasticizer) in recommended proportions as per IS 9103 to accelerate, related setting of concrete, improve workability without impairing strength and durability with about (5.0cum), 7730Kg of 20mm machine crushed stone jelly and with about (3.3 cum), 5156kg of 10 - 12mm machine crushed stone jelly and with about (4.79cum) 7670 kg of sand, but excluding cost of reinforcement grill and fabricating charges centering and shuttering but including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor / roof slabs wherever necessary without claiming extra cost etc., complete complying with standard specification and as directed by the departmental officers.</i></p>						
9.01	Foundation and Basement	303.000	m3	0.00		0.00	INR Zero Only
9.02	For Ground floor	124.000	m3	0.00		0.00	INR Zero Only

10	Providing and laying in position Standardised Pavement Quality Concrete Mix M-40 Grade in accordance with IS 456 - 2000 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 440 Kg/ cum and maximum water cement ratio of 0.55 including admixture (Plasticiser / super plasticiser) in recommended proportions as per IS 9103 to accelerate, related setting of concrete, improve workability without impairing strength and durability with about (5.0cum), 7730Kg of 20mm machine crushed stone jelly and with about (3.3 cum), 5156kg of 10 - 12mm machine crushed stone jelly and with about (4.79cum) 7670 kg of sand, but excluding cost of reinforcement grill and fabricating charges centering and shuttering but including laying, vibrating with mechanical vibrators, finishing, curing, etc and providing fixtures like fan clamps in the RCC floor / roof slabs wherever necessary without claiming extra cost 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 standards. (Data 20)						
10.01	Carriage Way	182.000	m3	0.00		0.00	INR Zero Only
11	Supplying and fabrication of steel and placing in position of TMT steel rods for RCC works as per design given including cost of steel and GI binding wire in all floors etc., complete complying with standard specification in TNDSS NO:97 V,VI (S6) VII (S6), VI	92.121	MT	0.00		0.00	INR Zero Only
12	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.(For 10 M3)						
12.01	For foundation & basement	18.000	m3	0.00		0.00	INR Zero Only

12.02	<i>In Ground floor</i>	231.000	m3	0.00		0.00	INR Zero Only
12.03	<i>In Terrace floor</i>	3.000	m3	0.00		0.00	INR Zero Only
13	<i>Brick partition walls of 10.80cm thickness using II class table moulded bricks 9" x 4-3/8" x 2-3/4" 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)</i>						
13.01	<i>In Ground floor</i>	38.000	m2	0.00		0.00	INR Zero Only
14	<i>Supplying and fixing of push and pull type Rolling shutter confirming to IS 6248/1979 and as amended from time to time. With ISI make of approved size and section using 18 gauge G.I.sheet.The shutter shall be painted with one coat of red oxide primer and the rate is inclusive of Hood covers , transportation charges etc., and as directed by Engineer incharge.Gear operated (upto 8.00 M2 to 12.00M2 area)</i>	180.000	m2	0.00		0.00	INR Zero Only
15	<i>FRP Door Sutter with FRP Door Frames made out of FRP Sheets of 3mm thick of over all size 65mm x 50mm with rebate suitably reinforced using MS Angle / Flats, cost of holdfasts and Solid Core FRP Shutter Panel of 5mm thick and hollow core frames of 3m wall thickness for styles and rails etc., of sizes specified by Engineers SOR 21-22 Pg No - 43 Item No - 127</i>	21.000	m2	0.00		0.00	INR Zero Only

16	<p>UPVC Window <i>Specification: Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black Colour) covered with over all the edges of frame and shutter the shutter will be provided with Spig multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown Colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. (SOR 2021-22) - Pg No 65</i></p>	45.000	m2	0.00		0.00	INR Zero Only
17	<p><i>Supplying and fixing UPVC (Un-Plasticized Polyvinylchloride) Louvered Ventilators of from the profile the size of outer frame 60mm x 58mm and shutter profile size of 60 x 78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profile are multi chambered sections with wall thick of 2mm. The EPDM rubber (black Colour) covered with all over the edges of frame and shutter. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The ventilator should be got approved from the Executive Engineer before use on work (SOR 2021-22) - Pg No 66</i></p>	5.000	m2	0.00		0.00	INR Zero Only

18	Finishing the top of flooring with granothatic flooring with cement concrete 1:2:4 (one cement, two sand and four aggregate) using 10 to 12mm stone chips - 25mm tk etc., Complete.	1286.000	m2	0.00		0.00	INR Zero Only
19	Paving the floor with Granite slabs (superfine polished with machine cut edges of 18-20 mm thick) of best quality and approved variety complying / confirming ISI specification and over cement mortar 1:3 (one cement and three sand) 20mm thick and pointed with same coloured cement neatly etc., complete.	48.000	m2	0.00		0.00	INR Zero Only
20	Supplying and fixing over the floors best quality of scratch ceramic tiles of 30 c.m x 30c.m x 6mm size of approved colour laying with cement mortar 1:3 mix pointing the joints with colour pigments etc. Complete.	41.000	m2	0.00		0.00	INR Zero Only
21	Dadoing the walls with glazed tiles of 30 c.m x 20 c.m 6mm size laid in cement mortar 1:2 mix 10mm thick and pointing with 0.40 kg white cement per m2 etc.	127.000	m2	0.00		0.00	INR Zero Only
22	Granite Nosing for Steps/Platform of full round with smooth finishing including cost of Labour, machinery etc., complete.(SOR 2021 - 2022 Pg. No 36, Item No - 22)	105.000	Rm	0.00		0.00	INR Zero Only
23	Supplying and laying Precast Designer Paver Block confirming to IS 1568-2006 specification manufacturing and laying standard of M50 grade 80mm thick (table clauses 5 and 9.14) suitable for bus terminals industrial complexes road on expensive soils etc., including the cost of paver block of size 225mm x 12.50 mm x 80mm and conveyance of materials to work site mentioned in the tender schedule cost of loading and unloading handling during over Stone dust of 100mm thick (excluding the cost of sand) conveyance paver block cutter to site and hire charges of vibrators and block cutter operator and labour for leveling the sand to paver block etc., complete ISI 15658-2006.	870.000	m2	0.00		0.00	INR Zero Only

24	<i>Special ceiling Plastering in Cement Mortar 1:3 Mix (one Cement, Three sand) 10mm thick 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-10 m2.</i>	260.000	m2	0.00		0.00	INR Zero Only
25	<i>Plastering in Cement Mortar 1:5 Mix (one cement, five sand) 12mm thick 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</i>	2252.000	m2	0.00		0.00	INR Zero Only
26	<i>White washing Two coats with good quality of Shell Lime including cost of all materials to site and all labour charges for mixing, applying and proper curring etc., Complete as per Standard Specifications. Rate for 100 sqm</i>	2512.000	m2	0.00		0.00	INR Zero Only
27	<i>Cement paint Two coats with good quality of approved cement paint including cost of all materials to site and all labour charges for mixing applying and proper curring etc., Complete as per Standard Specifications for 10 sam</i>	260.000	m2	0.00		0.00	INR Zero Only
28	<i>Exterior Emulsion paint Two coats with good quality of approved Emulsion paint including cost of all materials to site and all labour charges for mixing applying and proper curring etc., Complete as per Standard Specifications for 10 sam</i>	2818.000	m2	0.00		0.00	INR Zero Only
29	<i>Painting Two Coats on new Iron works with best synthetic enamel paint of approved colour and quality – 10m2.</i>	756.000	m2	0.00		0.00	INR Zero Only

30	<i>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 center 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 (SOR 2021 - 2022, Pg No - 57, Item No - 244)</i>	90.000	m2	0.00		0.00	INR Zero Only
31	<i>Supplying and fixing of M.S grill of approved design for doors, windows and ventilators using necessary mild steel flats for inner and outer memebbers which should be fixed to window frames inclusive of priming coat of best approved quality red oxide primer etc., complete complying with standard snecifications.</i>	3802.400	KG	0.00		0.00	INR Zero Only
32	<i>Weathering Course with broken brick jelly 20mm size pure slacked lime over R.C.C. roof slab the preparation of 32:12.5 for required depth and slope etc. complete.</i>	29.000	m3	0.00		0.00	INR Zero Only
33	<i>Finishing the top of roof with one course of machine pressed tiles 23 C.m x 23 C.m x 2 C.m size using cement mortar 1:3 mix mixed with 2% by weight of Crude Oil and pointing with Cement Mortor 1:3 mix Cost of all materials and labour charges and brick jelly concrete etc., complete as per standard specifications.</i>	360.000	m2	0.00		0.00	INR Zero Only

34	<i>Fabricating supplying and fixing of pre painted galvanized iron sheets with the following specification. The materials should be of PPGI tile profile with a red colour or any other approved design 0.47 mm thick 24 guage having width 1050 mm. The sheet should be G.I.base pre painted hot dipped galvanized iron sheet and to be fixed with shelf tapping screws,plastic washer.The washer and screws to be fixed by using minute power machine drilled with out damaging the sheets paint coating to be regular modified polyster coat with zinc coating of Z 120 GSM paint thickness the finish should be terra cotta finish like malabar mangalore tiles finish optional matt finish. The sheet to be fixed with making suitable corrugated,cutting the sheet in to the required ssize and making ornamental designs as per the site condition and as directed by the departmental officers.</i>	1265.000	m2	0.00		0.00	INR Zero Only
35	<i>Supplying, fabricating, erecting structural steel work for roofing welded or bolted type using MS channels, angles, plates and round bars etc. conforming to IS specification including primer coating and enamel painting as per Design given by the departmental officers etc, complete as per standard specification</i>	44120.000	Kg	0.00		0.00	INR Zero Only
36	<i>Providing and fixing Bitumen Pad for Expansion joint in between pavement slabs to 12mm thick and fixed as shown in the drawing including cost and conveyence of expansion joints including shalimar pad and joint sealent etc, complete as per standard specification</i>	36.000	m2	0.00		0.00	INR Zero Only

37	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 necessary 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 center of the pipe line in addition to those for more than 3.0 metre pipe length, etc., complete complying with standard specification.						
37.01	110mm Dia PVC Pipe	53.000	Rm	0.00		0.00	INR Zero Only
38	Supplying and fixing in position best quality P.V.C soil/ waste pipes (6KSC) of various sizes having ISI mark and providing leakproof joints including fixing to the wall with P.V.C/ M.S clamps etc., and making connection to all sanitary fittings, dismantling masonry/R.C.C. works wherever necessary and making good the dismantled portion to the original condition, complying with standard specifications.						
38.01	110mm Dia pipe above ground level	20.000	Rm	0.00		0.00	INR Zero Only
38.02	110mm Dia pipe below ground level	20.000	Rm	0.00		0.00	INR Zero Only
38.03	90mm Dia pipe above ground level	20.000	Rm	0.00		0.00	INR Zero Only
39	Supplying and fixing of 1000 liters capacity HDPE tank of approved quality including cost of all materials like tank fittings, lead .lift, erecting etc. complete.(TWAD 2021 - 2022) P.NO-85	2.000	No	0.00		0.00	INR Zero Only

40	<i>Supplying and fixing in position first quality and approved variety of Gun metal Gate Valve / Wheel Valve with BIS make of the following Dia including cost of shellac, thread balls, etc., complete complying with standard specifications (for both internal and external water supply arrangements). The valves to be used on work shall be got approved by the Executive Engineer before use on work.</i>						
40.01	<i>25mm Gun metal Gate Valve</i>	8.000	No	0.00		0.00	INR Zero Only
40.02	<i>32mm Gun metal Gate Valve</i>	8.000	No	0.00		0.00	INR Zero Only
41	<i>Supplying and fixing in position 15mm Dia brass CP screw down tap / Pillar tap (heavy duty) of approved make conforming to BIS specifications and quality including cost of shellac, thread, etc., complete complying with standard specification and including cutting and threading wherever necessary. (Taps should be got approved by the Executive Engineer before use on the works)</i>						
41.01	<i>SD Tap</i>	12.000	No	0.00		0.00	INR Zero Only
41.02	<i>Pillar Tap</i>	12.000	No	0.00		0.00	INR Zero Only
42	<i>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.</i>						
42.01	<i>25mm Dia</i>	40.000	Rm	0.00		0.00	INR Zero Only
42.02	<i>32mm Dia</i>	24.000	Rm	0.00		0.00	INR Zero Only

43	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 up to 4 metre height above ground level, etc., complete complying with standard specifications. The PVC pipes shall be got approved by Executive Engineer before use on works.						
43.1	32mm Dia	80.000	Rm	0.00		0.00	INR Zero Only
43.2	40mm Dia	50.000	Rm	0.00		0.00	INR Zero Only
44	Supplying PVC Specials (with working pressure 10 kg. / sq.cm.) in water supply arrangements (both in internal and external water supply arrangements (SOR S.No 349 Pg. No:99)						
44.01	Coupler						
44.02	15 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.03	20 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.04	25 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.5	32 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.6	Elbow						
44.7	15 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.8	20 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.9	25 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.10	32 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.11	BEND						
44.12	15 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.13	20 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.14	25 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.15	32 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.16	Tee						
44.17	15 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.18	20 mm Dia	10.000	No	0.00		0.00	INR Zero Only

44.19	25 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.20	32 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.21	End Cap						
44.22	15 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.23	20 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.24	25 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.25	32 mm Dia	10.000	No	0.00		0.00	INR Zero Only
44.26	Reducer						
44.27	20 mm x 15 mm	10.000	No	0.00		0.00	INR Zero Only
44.28	25 mm x 20 mm	10.000	No	0.00		0.00	INR Zero Only
44.29	32 mm x 25 mm	10.000	No	0.00		0.00	INR Zero Only
44.30	Reducer Tee						
44.31	20 mm x 15 mm	10.000	No	0.00		0.00	INR Zero Only
44.32	25 mm x 20 mm	10.000	No	0.00		0.00	INR Zero Only
44.33	32 mm x 25 mm	10.000	No	0.00		0.00	INR Zero Only
44.34	Reducer Elbow						
44.35	20 mm x 15 mm	10.000	No	0.00		0.00	INR Zero Only
44.36	25 mm x 20 mm	10.000	No	0.00		0.00	INR Zero Only
44.37	32 mm x 25 mm	10.000	No	0.00		0.00	INR Zero Only
44.38	Jet Nipple						
44.39	25 mm Dia	5.000	No	0.00		0.00	INR Zero Only
44.40	32 mm Dia	5.000	No	0.00		0.00	INR Zero Only
45	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).						
45.01	PVC Elbow						
45.02	110mm Dia	5.000	No	0.00		0.00	INR Zero Only
45.03	90mm Dia	5.000	No	0.00		0.00	INR Zero Only
45.04	PVC Elbow with Door						
45.05	110mm Dia	5.000	No	0.00		0.00	INR Zero Only
45.06	90mm Dia	5.000	No	0.00		0.00	INR Zero Only
45.07	PVC Tee						
45.08	110mm Dia	5.000	No	0.00		0.00	INR Zero Only
45.09	90mm Dia	5.000	No	0.00		0.00	INR Zero Only
45.10	PVC Tee with Single Door						
45.11	110mm Dia	5.000	No	0.00		0.00	INR Zero Only

45.12	90mm Dia	5.000	No	0.00		0.00	INR Zero Only
45.13	PVC "Y" with Single Door						
45.14	110mm Dia	5.000	No	0.00		0.00	INR Zero Only
45.15	90mm Dia	5.000	No	0.00		0.00	INR Zero Only
46	Supplying and fixing in position best Indian make white glazed earthenware WASH HAND BASIN of 560x406mm with a a pair of C.I. Brackets, 15mm dia C.P. Pillar tap, 32mm G.I. Waster water pipe, 32mm dia C.P. Brass waster coupling, plug with chain, 15mm dia PVC connection, 15mm G.M. wheel valve with ISI mark and necessary G.I. union and G.I. Elbow, including fixing wash hand basin in position with white lead, clamps, teakwood plugs, screws, rubber washer etc., complete without any leakage complying with standard specifications.						
46.01	Colour Wash Hand Basin With Pedestal	9.000	No	0.00		0.00	INR Zero Only
47	Supplying 15mm Dia C.P. Shower rose & stop cock of approved make confirming to IS specifications and quality including cost of Shellac thread etc. complying with standard specification. (PWD SOR 2021-2022 Pg No - 48 Item No - 163)						
47.01	C.P. Shower Rose	7.000	No	0.00		0.00	INR Zero Only
47.02	Stop Cock	12.000	No	0.00		0.00	INR Zero Only
48	Supplying and fixing in position best Indian make Aluminium anodised TOWEL RAIL of approved quality and size 60cm long and 20mm dia with brackets of same material including fixing with necessary teak wood plugs C.P. Screws etc., complete as directed by the departmental officers.	11.000	No	0.00		0.00	INR Zero Only
49	Supplying and fixing in position C.P. Soap tray of size 150 x 150mm including cost of teak wood plug and C.P. screws. etc. complete complying with standard specification.	11.000	No	0.00		0.00	INR Zero Only

50	Supplying and fixing in position best Bevelled Edge MIRROR of 6mm thick of size 50cm x 40cm fibre glass shelf type with necessary plywood backing and rubber button, chromium plated screws, teakwood plugs, etc., complete complying with standard specification and as directed by the departmental officers	9.000	No	0.00		0.00	INR Zero Only
51	Supplying and fixing in Position of Indian Oriya pan type water closet with "P" or "S" trap to set in brick jelly concrete 1:4:8 Mix concrete 10 cm thick using 20mm brick jelly and top finished with c.m. 1:3 mix 20mm thick without any leakage etc. complete						
51.01	White	1.000	No	0.00		0.00	INR Zero Only
52	Supplying and fixing in position colour glazed EUROPEAN WATER CLOSET with 'P' or 'S' trap and double flapped seat cover, 12.50 litres capacity P.V.C. low level FLUSHING TANK including all internal fittings fixed on C.I. brackets, 12mm PVC or brass nipple, chromium plated brown headed stopcock, 12mm nylon connection with necessary teakwood plugs, clamps, screws to the portion coming with walls and floors, including dismantling masonry and redoing the same to the original condition.						
52.01	White EWC	6.000	No	0.00		0.00	INR Zero Only
53	Supplying and fixing in position of Indian make White glazed earthen ware Flat Back Urinal of approved quality including dismantling masonry if necessary and redoing the same to original condition etc., complete as directed by the departmental officers.	5.000	No	0.00		0.00	INR Zero Only

54	<i>Supplying and fixing position CI Nahani Trap / Floor Trap of the following sizes with best stainless steel gratings of approved brand and quality, fixed over a bed of brick jelly lime concrete 1:2:5 (One part of lime, two part of Sand and five part of 40mm gauge brick jelly) and finished with Cement Mortar 1:3 (One Cement, Three Sand) including dismantling masonry works wherever found necessary and making good the dismantled portions to the original condition and giving connection to the CI / PVC pipes, etc., complete complying with standard specification.</i>						
54.01	<i>Nahani Trap of size 100 x 75mm with stainless steel gratings</i>	21.000	No	0.00		0.00	INR Zero Only
55	<i>Supplying and fixing in position 150 x 100mm "P" or "S" stoneware gully trap 'A' grade with CI double gratings of size 150 x 150mm and 230 x 230mm at bottom and top respectively with necessary earth work excavation laid over a bed of brick jelly cement concrete 1:3:6 (One cement, Three Sand and Six broken brick jelly) 150mm thick using 40mm size broken brick jelly including necessary brick work and plastering including dismantling masonry wherever necessary and re-doing the damaged portions to the original conditions using cement concrete 1:3:6 using 20mm stone jelly for fixing the gully trap and giving connections to stoneware sewer line etc., complete complying with standard specifications. [Earth work excavation, brick work, plastering shall be measured and paid separately]. The stoneware gully trap should be got approved by the Executive Engineer before use on works.</i>	4.000	No	0.00		0.00	INR Zero Only

56	Supplying and fixing in position CI manhole covers with CI frames (Heavy duty) of size 60cm x 60cm of best approved quality as per standard specification etc., complete complying with standard specifications .	4.000	No	0.00		0.00	INR Zero Only
57	Construction of Inspection chambers of following sizes with earth work excavation for foundations, 23cm thick C.C 1:4:8 using 40mm HBGS jelly for foundation and brick work in CM 1:5 using country bricks, inside plastering with CM 1:3 20mm thick, inside channeling with brick work, outside plastering with C.M 1:5 12mm thick, R.C.C precast cover slab 75mm thick using 1:1.2:2.4 using 20mm blue granite jelly with necessary reinforcement etc. complete as directed by the departmental officers						
57.01	Inspection chamber - 0.45 x 0.45m (inside opening) Upto 1m height	3.000	No	0.00		0.00	INR Zero Only
57.02	Inspection chamber - 0.60 x 0.60m (inside opening) Upto 1m height	3.000	No	0.00		0.00	INR Zero Only

58	<i>Providing rain water harvesting using 3 No.Of RCC well rings of 90cm inner Dia (clear) with 5cm wall thickness made out of cement concrete 1:2:4 using 20mm hard broken jelly to a height of 30cm each supplying and fabricating 16 nos. of 6mm Dia MS rod vertically and 3 nos. of 6mm Dia MS rod circumferentially tied together with 18 gauge binding wire for well rings including necessary earth work excavation 1m Dia to a depth of 1m, supplying and filling 40mm HBG inside the erected well ring to a depth of 90cm, and top covered with RCC circular perforated cover slab of 1m Dia and 5cm thick which inclusive of cost and fabrication of 6mm M.S reinforcement at 15 cm spacings on both directions and one 6mm M.S rod ties at the edge of the slab circumferentially including cost of moulding, curing, finishing and well placing in position and disposing off excavated earth with all initial leads and lifts in places as shown by the Departmental officers etc., complete in all respects.</i>	5.000	No	0.00		0.00	INR Zero Only
59	<i>Investigation charges for Geophysical survey finding of yield to the point drilling of Borewell for all etc., complete</i>	1.000	No	0.00		0.00	INR Zero Only

60	Drilling of 125mm (4 1/2") nominal Dia vertical borewells anywhere in Tamilnadu in all formations, suitable for down the hole hammer drilling such as medium hard rock to hard rock formation, consolidated formation etc. and drilling over burden to a Dia not less than 200mm including insertion of 165 mm PVC casing pipe, couplings caps and other relevant materials required up to the depth as directed by the Engineer or his representative including grouting of cement 25kg (minimum) up to the depth of over burden are including borewell development flushing of borewell at a pressure 7kg/cm ² (100 lb. per square inch) including yield test, crew charges, cost of consumables, transportation charges of casing pipes and all other materials including assembling complete to the satisfaction of the Engineer and as stipulated in the technical specification. The entire works should be carried out as per IS 2800 Part I & II / 1979. Finished Dia of borewells shall not be less than 145mm						
60.01	Upto 20m depth	20.000	Rm	0.00		0.00	INR Zero Only
60.02	Above 20m depth	20.000	Rm	0.00		0.00	INR Zero Only

61	Supply and delivery of clear water vertical wet type submersible pump suitable for 150mm Dia borewell conforming to IS 8034/2002 as amended thereafter and BEE 3 Star Rated capable of discharging noted LPM against head of water column due to all causes. The pump shall be with stainless steel shaft and dynamically balanced bronze or Cast SS impeller, brass screws and CI FG 200 grade pump bowl/diffuser with ISI mark. The pump shall be directly coupled to a continues rated two pole suitable wet type vertical squirrel cage induction motor as per IS 9283 /1995 and as amended there after, suitable for operation in AC three phase 415 V+/- 10 %, 50 HZ +/- 5 % (TWAD 2021-2022 - PAGE 98) (50 Lpm X 125 m)	1.000	No	0.00		0.00	INR Zero Only
62	Labour Charges for the erection of Submersible pump set in borewell including fixing and jointing submersible cable with proper clamps up to the starter to required depth and also fixing of riser pipes to the required depth valves erection clamps, and erection of panel board consisting of TPICN switches starter voltmeter, Ammeter, three point (indicating) lamps capacitor single phasing preventor and laying and jointing the cable and twin earthing for etc., Complete and testing the pump set and trail run for 10 days. (TWAD SOR 2021-22 - Item No 17c - PAGE 287)	1.000	No	0.00		0.00	INR Zero Only

63	Supply and delivery of Electric Monoset centrifugal pump conforming to IS 9079:2002 as amended from time to time, with CI FG 200 Casing , hydraulically and dynamically balanced Bronze grade LTB-2 impeller, impeller ring and casing ring, stainless steel shaft capable of discharging required quantity of water against a total head noted below due to all causes. Pump shall of BEE 3 Star Rated and capable of discharging the specified quantity at the head noted at the minimum NPSHA at site conditions. The shut off head shall be atleast 25% over and above the head at duty point. The pump shall be suitable for operation in AC three phase , 415 V+/- 10% , 50 Hz +/- 5%. Squirrel cage induction motor for continuous operation. The speed of the Pump and Motor shall be not less than 2700 to 2900 RPM respectively. (TWAD SOR 2021-22 - Item No 17c - PAGE 287)	1.000	No	0.00		0.00	INR Zero Only
64	Supply and Delivery of 150mmdia PVC casing Pipes including cost and conveyance of materials and Labour charges etc. complete as per standard. Specifications (TWAD SOR 2021-22 - Item No 1 - PAGE 22)						
64.01	150mm Dia PVC Casing Pipe	20.000	Rm	0.00		0.00	INR Zero Only
65	Supply and delivery of following 50 mm dia UPVC Column Pipe and GI Pipes and Other Special materials of good quality including cost of materials and labour with cost for conveyance to site etc Complete complying with standard Specifications. etc.,						
65.01	50mm dia UPVC Column pipe TWAD Page No : 24	150.000	M	0.00		0.00	INR Zero Only
65.02	50mm UPVC . Elbow PWD Page No : 107	4.000	No	0.00		0.00	INR Zero Only
65.03	50mm UPVC . Union PWD Page No : 108	3.000	No	0.00		0.00	INR Zero Only
65.04	50mm UPVC Bend PWD Page No : 108	3.000	No	0.00		0.00	INR Zero Only
65.05	50mm Gate Valve TWAD Page No : 45	1.000	No	0.00		0.00	INR Zero Only

65.06	50mm GM N.R.V TWAD Page No : 45	1.000	M	0.00		0.00	INR Zero Only
65.07	50mm PVC MTA TWAD Page No : 27	2.000	No	0.00		0.00	INR Zero Only
65.08	50mm end PVC Cap PWD Page No : 100	1.000	No	0.00		0.00	INR Zero Only
65.09	50mm dia GI Flange set TWAD Page No : 44	2.000	No	0.00		0.00	INR Zero Only
65.10	50mm M.S. Clamp set TWAD Page No : 44	2.000	No	0.00		0.00	INR Zero Only
65.11	4SQMM COPPER CABLE TWAD Pg.No 116	170.000	M	0.00		0.00	INR Zero Only
66	Supply and delivery of 3 phase panel board star delta with two level guard and auto start to suitable for 5 HP submersible pump set etc. complete (TWAD SOR 2021-22 - Item No 11.1 (5) - PAGE 110)	1.000	No	0.00		0.00	INR Zero Only
67	Supply and fixing 16amps DP switch with metal clad(side handle) of 500 V with F & N on suitable teak wood Board of size 30cmx20cmx6 cm including necessary internal conection,earth connection etc., complete (SD 142)	2.000	No	0.00		0.00	INR Zero Only
68	Earthing as per ISI Specification with an earth electrode of 2.1mt class 'B' GI pipe of Dia not less than 40mm and with 20mm Dia copper earth flat of size 125mm x50mmx6mm, with funneling arrangement using charcoat, common salt, G.I.reducer, check nuts etc., and mansonry workhand providing RCC cover slab 38mm thick for the Brick masonry including cost of steel and fabrication of reinforcement etc., complete in all respects as directed by the departmental officers. (SD 233)	30.000	No	0.00		0.00	INR Zero Only
69	Supplying and run off 8 SWG copper wire on walls or below ground level with necessary 'U' nails, earth work excavation and refilling & including the cost of all materials etc., complete in all respects as directed by the departmental officers.(SD 75)	2.000	Rm	0.00		0.00	INR Zero Only

70	Supplying and fixing of 4 way three phase DB of 16amps/way with 16amps DP switch with metal glad of 500 volt(side handle) with Fuse and Neutral of suitable T.W. Board of size 40cm x30cmx6.3cm with earth connection etc., complete in all respects as directed by the departmental officers (SD 146)	2.000	Rm	0.00		0.00	INR Zero Only
71	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 concealed in wall and ceiling with PVC accessories in flush with wall with 150mm x 100mm x 113mm TW switch box with 3mm thick hylem sheet cover for 5A 3 pin non inter locking wall socket with 5A flush type switch 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	201.000	No	0.00		0.00	INR Zero Only
72	Wiring with 2 x 4 sq.mm. (56 / 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 in flush with wall with 150mm x 100mm x 113mm TW switch box with 3mm thick hylem sheet for 15A 3 pin non inter locking wall socket with 15A flush type switch with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour for concealed power plug point. SD-40	71.000	No	0.00		0.00	INR Zero Only
73	Supply and fixing of 20 Amp DP Plug and socket in sheet enclosure with 32A DP MCB in flush with wall with earth connection (For A.C Plug) (Legrand (MDS/Hager (L & T make) (SD 140)	1.000	No	0.00		0.00	INR Zero Only
74	Supplying and fixing MCB isolator 32A TP with earth connection (Legrand (MDS / Hager (L & T make)(SOR 2021-22) (item no 13-b)	65.000	No	0.00		0.00	INR Zero Only

75	Wiring with 2x1.5sqmm PVC insulated single core unsheathed copper conductor cable of 1100V grade with ISI mark confirming to IS: 694/1990 in suitable PVC rigid pipe of 1.8mm thick with ISI mark concealed in wall and ceiling with PVC accessories in flush with wall including the cost of cable, pvc pipe and specials, ceiling rose, flush type 5ams SP mark switch, PVC junction box, 16gauge MS switch box 100mm x 100mm x 75mm covered by laminated hylem sheet 3mm thick, cement, Labour and making good of concealed portion with suitable Colour for concealed PVC LIGHT point.(SD 24)	278.000	No	0.00		0.00	INR Zero Only
76	Wiring with 2x1.5sqmm PVC insulated single core unsheathed copper conductor cable of 1100V grade with ISI mark confirming to IS: 694/1990 in suitable PVC rigid pipe of 1.8mm thick with ISI mark concealed in wall and ceiling with PVC accessories in flush with wall including the cost of cable, pvc pipe and specials, ceiling rose, flush type 5ams SP mark switch, PVC junction box, 16gauge MS switch box 300mm x 200mm x 75mm covered by laminated hylem sheet 3mm thick, cement, Labour and making good of concealed portion with suitable Colour for concealed.(SD 24)	96.000	No	0.00		0.00	INR Zero Only

77	Supply and run off 2 of 1.50sqmm 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 sqmm 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)	1000.000	Rm	0.00		0.00	INR Zero Only
78	Supply and run off 2 of 4 sqmm 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 sqmm 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 57)	1000.000	Rm	0.00		0.00	INR Zero Only
79	Supplying and fixing of 1200 mm (48") AC ceiling fan complete with stepped electronic 300 W regulator with 1 m down rod with fan clamp, side plates and cross arm of size departmental officers. (SD 106)(18") etc., complete as directed by the departmental officers.	90.000	No	0.00		0.00	INR Zero Only
80	Supply and delivery of 4 Feet LED Fitting (SOR 2021-22, Pg.No 114 item No 15A)	270.000	No	0.00		0.00	INR Zero Only
81	Supply and delivery of 4 Feet LED complete as per Standard Specification. (SOR 2021-22, Pg No: 114, Item No-15B)	15.000	No	0.00		0.00	INR Zero Only

82	Supply and delivery of 7w/9w LED Bulb complete as per Standard Specification. (SOR 2021-22, Pg No: 115, Item No-15)	8.000	No	0.00		0.00	INR Zero Only
83	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)	65.000	No	0.00		0.00	INR Zero Only
84	Supplying and fixing 63 A TPNMC switch on suitable angle iron frame work with MS cable entry boxes with earth connection only. (SD 166)	65.000	No	0.00		0.00	INR Zero Only
85	Supplying and run off 2 of 4 sq.m (56/0.3) PVC insulated SC unsheathed cu.conductor of 100 V grade on 7/20 G.I bearer wire service connection mains (SD 65)	50.000	Rm	0.00		0.00	INR Zero Only
86	Supplying and fixing of 3 nos. of 100A porcelain fuse units 500 Volt of approved brand having ISI mark in T.W Board of suitable size etc., complete in all respects.(SOR 2021-22 Pg.No 120 Item No - 6)	65.000	No	0.00		0.00	INR Zero Only
87	Supply and run of 4 core 16 Sq.mm PVC Armoured cable of 1100 V grade with ISI mark.(Part E r) V (SOR 2021-22 Pg.No 125 Item No - 1)	250.000	Rm	0.00		0.00	INR Zero Only
88	Supply and fixing of water CO2 stored pressure type 9litres capacity fire extinguishers as per new IS 15863 complete with control valve, gun meta cap, pressure gauge, operation sticker, discharge hose, wall mounting bucket , safety clip, etc., as directed by departmental officers (SOR 2021 - 2022 Sl.no: 330, Pg.no: 81)	12.000	No	0.00		0.00	INR Zero Only

89	<i>Supply and fixing First Aid box (SOR 2021 - 2022 Sl.no: 8, Pg.no: 142)</i>	8.000	No	0.00		0.00	INR Zero Only
90	<i>4 Nos of Fire Buckets made out of 40x40x6mm MS Angle (SOR 2021 - 2022 Sl.no: 8, Pg.no: 142)</i>	8.000	No	0.00		0.00	INR Zero Only
91	<i>Supplying and erecting in position of following liters capacity Industrial Model Reverse Osmosis Water-cum- Purifier to deliver Potable Water with World Health Organization (WHO) Standards with following accessories. (50 Litre) (a) MS Skid - 1 No. (b) Media 11054 No. Vessel with 20 nab Multiport Valve (with Media Pebble and Fine Sand and Activated Carbon Filling) set (c) Feed Pump 0.50 HP – 1 No. (d) Vertical Pump 2-9, 2.00 HP / Single Phase – 1 No. (e) Membrane 40 x 40 filmset (or) equivalents /Osmotic (USA) - 1 No. and Membrane Pressure Vessel 40 x 40 -1 No. & Pressure Gauge - 2 Nos. (f) Flow Meter - 1 No. 20" Filter with Housing - 1 No. Low Pressure Switch - 1 No., Level Switch - 1 No. & Necessary CPVC Pipes and Fittings. The system shall be provide with Two Panel Control System with necessary Stainless Valves and Fittings and Float Control etc. (SOR Pg.No. 76)</i>	4.000	No	0.00		0.00	INR Zero Only
92	<i>Supply and Installing CCTV 1.3mp hd resoution dome camera incuding cable fixing and all erection charges etc complete CCTV Setup box including hard disc capacity 10TB including cabling works all accssories etc complete.</i>						
92.01	<i>Supply and Installing network video recorder for CCTv camera of 4 channel - 1 sata capacity (SOR Pg.no: 154)</i>	8.000	No	0.00		0.00	INR Zero Only
92.02	<i>Supply and Fixing of Hard disc for NVR (SOR Pg.no: 155)</i>	4.000	No	0.00		0.00	INR Zero Only

92.03	Supply and Fixing of Rack With Accessories - 2U (SOR Pg.no: 155)	4.000	No	0.00		0.00	INR Zero Only
92.04	Supply and Installing Armoured LAN & CCTV Cable (SOR Pg.no: 153)	675.000	Rm	0.00		0.00	INR Zero Only
93	6 Metre Length Single Bracket Pole with Base Plate (250 x 250 x 6mm) 76.10mm OD x 3.65mm Thick x 6000mm Length PWD SOR , P.NO-148	6.000	No	0.00		0.00	INR Zero Only
94	60W LED Street Light Fitting with LED PWD SOR ,SI.NO-18(c) P.NO-115	6.000	No	0.00		0.00	INR Zero Only
95	Supply & Fixing of 62.50 KVA Generator PWD SOR ,SI.NO-10 P.NO-146	1.000	No	0.00		0.00	INR Zero Only
Total in Figures						0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only					