

HINDU RELIGIOUS CHARITABLE & ENDOWMENT								
Schedule Quantities of the Construction of Marriage Hall In Arulmigu Vathalai Nachiamman Temple, Kandamangalam Village, Budhalur Taluk, Thanjavur District								
EMD - Rs: 1,54,000.00		Tender Value : Rs: 2,87,86,569.00 /- (Including GST 12%)			Issued to Thiru :.....			
					Date : .....			
Bill Of Quantities								
SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
1	625.00	Cum	Earth work excavation for foundation in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the surplus earth within the compound in places shown by the departmental officers with an initial lead of 10 mts and initial lift of 2 mts. and clearing and levelling the site, etc., complete complying with standard specification.				One Cum	
2	130.00	Cum	Earth work excavation for foundation in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the surplus earth within the compound in places shown by the departmental officers with an initial lead of 10 mts and initial lift of 2 mts. and clearing and levelling the site, etc., complete complying with standard specification.				One Cum	
3	57.00	Cum	.Earth work open excavation (Open excavation)in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the excavated earth with a lead of 10 mts. within the compound in places shown by the departmental officers and clearing and levelling the site, etc., complete complying with standard specification.				One Cum	
4	155.00	Cum	Supplying and filling with M-Sand and Gravel mix in 1: 1 ratio, filled up in 150mm layers with moisture percentage of 18% including cost and conveyance of Quarry Dust, gravel and all labour charges for filling ramming etc. complete with standard specifications				One Cum	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
5	64.00	Cum	Cement Concrete 1:5:10 (One Cement, Five sand and Ten hard broken stone jelly) using 40 mm gauge hard broken granite stone jelly for foundation including dewatering wherever necessary and laid in layers of not more than 15 cm thick well rammed, consolidated and curing etc. complete complying with standard specification				One Cum	
6	430.00	Cum	Supplying and filling of well gravel by lorry in basement filling including conveyance loading and unloading charges and all other incidental charges filling laying watering and consolidation etc., complete as directed by the Dept., Officers with standard specification.				One Cum	
7	72.00	Cum	Supplying and filling in foundation, basement, etc with filling M sand in layers of not more than 15 cm thick well watered, rammed and consolidated etc. complete complying with standard specification and as directed by the departmental officers.				One Cum	
8	5.00	Cum	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 .				One Cum	
9	13.00	Cum	Randum Rubble Masonry in Cement Mortor 1:5 One Cement and five Sand including curing etc complete complying with standard specification				One Cum	
10	917.00	Sqm	Supplying and erecting steel centering for sides and soffits including supports and strutting up to 3.29 metre height for plain surfaces such as <b>RCC square or rectangular columns</b> , top and bottom slabs of sunshade boxing sill slabs etc., with necessary facia etc., with all cross bracings using mild steel B.G., 10 sheets of size 90cm X 60cm stiffened with welded mild steel angles of size 25mm X 25mm X3mm for boarding laid over silver oak (Country wood) Joists of size 10cm X 6.5cm spaced at about 90cm centre to centre and supported by casurina props of 10cm to 13cm dia spaced at 75cm centre to centre etc., complete complying with standard specification.				One Sqm	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
11	680.00	Sqm	Supplying and erecting steel shuttering including necessary supports for plain surfaces for reinforced cement concrete works such as <b>grade beams, column footing, plinth beam, staircase steps, pedestals bed blocks cover slab etc.</b> , using mild steel B.G 10 sheets of size 90cm X 60cm Stiffened with mild steel angles of size 25mm X 25mm X 3mm for boarding laid over silver oak ( Country wood) joists of size 10cm X 6.5cm spaced at about 90cm centre to centre, supported by casurina props 10cm to 13cm diameter spaced at 75cm centre to centre etc., complete complying with standard specification.				One Sqm	
12			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 specificalton. (Payment for centering shall be given after the concrete is laid)					
	1533.00	Sqm	For plane surfaces such as RCC floor slab, roof slab, beams, lintels, bed blocks, landing slab, waist slab, portico slabs and beams, etc.				One Sqm	
13	625.00	Sqm	Providing additional strutting to centering of All RCC work for every additional 1.0 metre height or part thereof but not less than 30 cm, over the initial 3.00 metre height from floor level using casurina props of 10cm to 13cm dia including cross bracing etc., complete complying with standard specification and as directed by the department officers.				One Sqm	
Contractor :		No of Corrections: No of over writing:					Executive officer	

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
14			Providing and laying in position, Standarised Concrete Mix M20 Grade in accordance with IS : 456-2000, using 20 mm and down graded hard brocken granite stone jelly for all RCC items of works with minimum cement content of 325 kg /m3 and maximum water cement ratio of 0.55, including admixture (plasticiser / super plasticiser) in recommanded proportions as per IS : 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about ( 5 cum )7730 kg of 20 mm machine crushed stone jelly and with about ( 3.30 cum )5156 kg of 10 - 12 mm machine crushed stone jelly and with about ( 4.79 cum )7670 kg 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 floor / roof slabs where ever necessary without claiming extra etc, complete complying with stsndard specification and as directed by Departmental officers. The course and fine aggrigates to be used should comply with the requirements of IS Standards. ( No separate payment will be made by the Department for the excess usage of materials.)					
	179.00	Cum	A) Basement				One Cum	
	130.50	Cum	A) Ground Floor				One Cum	
	112.60	Cum	B) First Floor				One Cum	
	18.40	Cum	C) Second Floor				One Cum	
Contractor :		No of Corrections: No of over writing:					Executive officer	

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
15			Providing and laying in position, Standarised Concrete Mix M35 Grade in accordance with IS : 456-2000, using 20 mm and down graded hard brocken granite stone jelly for all RCC items of works with minimum cement content of 325 kg /m3 and maximum water cement ratio of 0.55, including admixture (plasticiser / super plasticiser) in recommanded proportions as per IS : 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about ( 5 cum )7730 kg of 20 mm machine crushed stone jelly and with about ( 3.30 cum )5156 kg of 10 - 12 mm machine crushed stone jelly and with about ( 4.79 cum )7670 kg 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 floor / roof slabs where ever necessary without claiming extra etc, complete complying with stsndard specification and as directed by Departmental officers. The course and fine aggrigates to be used should comply with the requirements of IS Standards. ( No separate payment will be made by the Department for the excess usage of materials.)					
	26.50	Cum	c.First floor				One Cum	
16	557.81	MT	Supplying, fabricating and placing in position Mild Steel / Ribbed Tor Steel grills for all RCC works as per design given including cost of steel and G.I. binding wire in all floors etc. complete complying with standard specification. (Contractor has to make his own arrangements for the supply of steel and binding wire)				One MT	
17	61.00	Sqm	Damp proof course with Cement Mortar 1:4 (One Cement and Four sand) 12mm thick mixed with best approved quality water proofing compound conforming to Indian Standard specification as specified by the departmental officers at 2% by weight of cement used, finishing and curing etc. complete complying with standard specification.				One Sqm	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
18			Brick work using using Country Bricks of size 83/4" x4 1/4"x 2 3/4 in Cement Mortar 1:6 (One cement and six sand) including curing neat finishing, etc., complete complying with standard specifiction					
	67.00	Cum	A) Basement				One Cum	
	63.00	Cum	A) Ground Floor				One Cum	
	79.00	Cum	B) First Floor				One Cum	
	17.00	Cum	C) Second Floor				One Cum	
19			Brick work using using Country Bricks of size 83/4" x4 1/4"x 2 3/4 in Cement Mortar 1:5 (One cement and Five sand) including curing neat finishing, etc., complete complying with standard specifiction.					
	33.00	Cum	A) Foundation basement				One Cum	
	80.00	Cum	B) Ground Floor				One Cum	
20			Brick partition walls using best quality using Country Bricks of size 8-3/4" x 4-1/4" X2-3/4" 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)					
	45.00	Sqm	A) Ground Floor				One Sqm	
	20.00	Sqm	B) First Floor				One Sqm	
Contractor :		No of Corrections: No of over writing:					Executive officer	

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
21	3443.00	Sqm	Plastering with Cement Mortar 1:5 (One cement and Five sand), 12mm thick in all floors including curing etc. complete complying with standard specification and as directed by the departmental officers.				One Sqm	
22	857.00	Sqm	Special ceiling plastering and finishing the exposed surface of all RCC items of work such as slabs, beams, sunshades, facia, canopy slab, staircase waist slab, landing slab etc., with Cement Mortar 1:3 (One Cement and Three Sand) 10mm thick including hacking the surfaces, providing cement mortar nosing, beading for sunshades, staircases, steps, landing slabs and curing, etc., in all floors complying with standard specification and as directed by the departmental officers				One Sqm	
23	41.00	Cum	Cement Concrete 1:5:10 (One Cement, Five sand and Ten hard broken stone jelly) using 40 mm gauge hard broken granite stone jelly for Flooring including dewatering wherever necessary and laid in layers of not more than 15 cm thick well rammed, consolidated and curing etc. complete complying with standard specification				One Cum	
24	736.00	Sqm	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.				One Sqm	
25	57.00	Sqm	Supplying and in fixing in position fully polished Rajestan Kotta stone of 20mm thick with machine cut edges of size 2' 0" x 2' 0" and above laid over base layerof cement mortar 1:3(one cement and three sand) - 20 mm thick & pointed with white cement and pigments to the colour of stones and polished neatly as directed by the deparmental offices.				One Sqm	
Contractor :		No of Corrections: No of over writing:					Executive officer	

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
26	53.00	Sqm	Flooring with following ceramic tiles of size 305 x 305 x 6 mm laid over 20 mm thick cement mortar 1:3 (One Cement and Three Sand) base mortar over the existing slab / floor including cutting the tiles to the required size with special cutter wherever necessary, laying in position and pointing with white cement mixed with colouring pigment at the rate of 0.3 Kg. / sq.m. etc., complete complying with standard specification. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)				One Sqm	
27	47.00	Sqm	Paving the floor with pre-polished concrete anti-skid step tiles (Required shape and design) of 20mm thick of approved quality and colour laid in Cement Mortar 1:3 (One Cement and Three sand) 20mm thick and pointed with white cement mixed with colouring pigment at the rate of 0.40 Kg. / sq.m., curing, etc., complete complying with standard specification and as directed by the departmental officers. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)				One Sqm	
28	709.00	Sqm	Dadoing walls with following best approved quality, white / colour glazed tiles of following sizes set in Cement Mortar 1:2 (One Cement and Two sand) 10mm thick and pointing the joints with white cement mixed with colouring pigments at the rate of 0.40 Kg. / sq.m. neatly in all floors, curing, etc., complying with standard specification and as directed by the departmental officers. (300x200x6mm)				One Sqm	
29	37.00	Cum	Weathering course in brick jelly lime concrete using broken brick jelly of size 20mm uniform gauge in pure slaked lime (no sand to be used) to the proportion of brick jelly to lime being 32:12.5 by volume and laid over the RCC roof slab in a single layer of required slope and finished by beating the concrete with wooden beaters of approved pattern, keeping the surface constantly wet by sprinkling lime jaggery water, etc., complete as per standard specification and as directed by the departmental officers				One Cum	
30	476.00	Sqm	Finishing the top of roof with one course of machine pressed tiles of size 200mm x 200mm x 20mm of approved quality set in Cement Mortar 1:3 (One Cement and Three Sand) 12mm thick mixed with water proofing compound conforming to ISS at 2% by weight of cement used and the joints pointed neatly to full depth of tiles with the same cement mortar mixed with red oxide and water proofing compound including curing etc., complete complying with standard specification and as directed by the departmental officers				One Sqm	
Contractor :			No of Corrections: No of over writing:					Executive officer



SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
31	144.00	Rmt	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				One RM	
32	3389.00	Sqm	Painting two coats of newly plastered wall surface with water based Interior emulsion paint of first class quality and of approved colour over a priming coat including thorough scrapping, clean removal of dirt, and including necessary plaster of paris putty, wherever required etc., complete complying with standard specification.				One Sqm	
33	1773.00	Sqm	Painting two coats of newly plastered wall surface with water based exterior emulsion paint of first class quality and of approved colour over a priming coat including thorough scrapping, clean removal of dirt, and including necessary plaster of paris putty, wherever required etc., complete complying with standard specification.				One Sqm	
34	5.00	Nos	Supplying & fixing iron hold fast of size 230mmx40mmx5mm with necessary screws (S.I.404B)				One Nos	
35	0.16	Cum	Supplying and fixing T.W Frames for Doors,Windows, Ventilators and other similar joinery works with the following sizesand sections including labour charges for wrought and put up in position and also for fixing hold fast in frames and masonry etc complete in all floors.				One Cum	
36	12.00	Sqm	Supplying and fixing of Teak Wood Panelled door shutter using Teak wood frame of size 127mm x 76mm and Door shutters Single leaf in position using 35mm thick solid core Flush shutters with teak play on both sides with teak wood lipping alround including cost and labour for fixing the hold fasts and furniture fittings etc.,complete as directed by the departmental officers complying with standard specification.				One Sqm	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
37	210.00	Kg	Supplying & fixing of Collapsible Gate with iron Angles frame of size 40mm x 40mm x 6mm and inner side 12mm Square rods and necessary painting with one coat of Red Oxide primer including cost and conveyance of all materials and all alabour charges etc complete as directed by departmental officers				One Kg	
38	8.50	Sqm	Supplying and fixing solid core Particle board flush door shutters with both sides 3mm thick commercial ply of 35mm thick with T.W. internal lipping (internal alround) with necessary adhesive and C.P. screws, including fixing of aldrops, tower bolts, hinges and lock strike plates, putty, fevical, varnish for T.W. lipping with thinner colouring agent etc., The rate includes cost of materials and cost for aluminium furniture fittings such as 3 nos Alu. hinges 125mm, 1 no Alu. aldrep 200 x 16mm, 1no Alu. tower bolt of 150x12mm and 1 no Alu.100mm D type Handle 1 no door stopper with rubber bush incase of Single leaf door inclusive of labour charges for fixing in position etc., complete. All Aluminium furniture fittings are to be anodised with matt finish under electrically controlled condition in accordance with ISI specification 1868/1968 for anodic film thickness of not less than 15 microns, The rate is inclusive cost of fevical and fixing charges, transportation, loading, unloading and all other incidental charges, handling charges etc. complete complying with standard specification				One Sqm	
39	18.50	Sqm	Supplying and fixing rigid PVC paneled door shutter made from M.S box section of size 19mmx19mm, 19gauge covered with heat moulded PVC 5mm thick and width of 50mm to form styles and rails. The panel shall be 5mm thick PVC rigid foam sheet inserted into the frame sealed to the styles and rails and 5mmx25mm PVC beading is provided on all sides with furniture fittings etc., complete.				One Sqm	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
40	78.00	Sqm	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 Espag 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, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The window should be got approved from the Executive Engineer before use on work				One Sqm	
41	37.00	Sqm	Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) 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				One Sqm	
42	7340.00	Kg	Supplying and fixing mild steel grill for windows and hand rails etc complete., including cost conveyance of all materials and fixing in position including priming coat etc complete with standard specifications.				One Kg	
43	254.00	Sqm	Painting new iron works such as steel doors, windows, ventilators, window bars, balustrades etc., with two coats of best approved first quality and colour of synthetic enamel paint over the existing red oxide priming coat in all floors excluding cost of priming coat etc., complete complying with standard specification. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.) 10 Sqm				One Sqm	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
44	10.00	Sqm	Best French (lac) polishing with1 coats S.I.360 to T.W. Doors,Windows, Ventilators, including cleaning the surfacesetc. complete complying with standard specifications.				One Sqm	
45	18.50	Sqm	Supplying and fixing of Cudppah Slab of 50 mm thick for the Cup Boards including labour charges for fixing Cudappah Slab to the Cub Boards as directed by the Departmental Staff.				One Sqm	
46	4.00	Cum	Supplying and filling 40mm guauge HBGS stone jelly for dispersion trench including loading conveying and unloading and as directed by the departmental officers etc. complete complying with standard specification.				One Cum	
47	11.00	Sqm	Plastering the surface of walls with Cement Mortar 1:3 (One cement and Three sand), 12mm thick in all floors including curing etc., complete complying with standard specification and as directed by the departmental officers.				One Sqm	
48	2.00	Cum	Cement Concrete 1:3:6 (One Cement, Three sand and Six broken stone jelly) using 20mm size hard broken stone jelly excluding cost of centering shuttering reinforcement grills and fabrication charges but including curing etc. complete.				One Cum	
49	1.00	Cum	.Brick work with Dry Bricks using country bricks of size 8¾"x4¼"x2¾" for the following items including curing etc complete complying with standard specification. TNBP No : SS 31 and similar to 31C in Ground floor				One Cum	
50	13.00	Sqm	Manufacturing, supplying and fixing Precast Reinforced Cement Concrete slabs of following thickness in RCC 1:1.50:3 (one cement, one and half sand and three aggregates), using following HBGS jelly excluding cost of reinforcement steel in position but including cost of moulding charges, casting of slab, finishing, curing and fixing in position in all floors etc., complete complying with standard specification and as directed. 50mm thick				One Sqm	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
51	198.00	Cum	Providing and Laying Spreading and Compacting graded stone aggregate to Wet Mix Macadam(WMM) Specification including Premixing the material with water at OMC in Machanical mix Plan tcarriage of mixed material by tipper to site laying in uniform layers 250mm thick with Paver sin Sub base/Base course on well prepared surface and compacting with vibratory roller to achieve the desired density including cost of material.labourcharges,rentals for machinery, fuel and all other incidental charges etc., complete				One Cum	
52	1320.00	Sqm	Supplying and Paving the Paver Block flooring using Rubber mould paver block ( Colour ) of standard size over the sand filling of 83mm thick, including laying Compacting with power machine including loading transportation and colour pigments of paver blocks, including cost and conveyance of all materials labour etc complete with standard specification.				One Sqm	
53	5.00	Sqm	Manufacturing, supplying and fixing in positon of RCC Jali of 5cm thick in cement concrete 1:2:4 using 20mm machine crushed stone jelly (excluding cost of reinforcement steel) including cost of mould, finishing, curing, lifting, fixing in position etc., complete complying with standard specification and as directed				One Sqm	
54	1.00	Sqm	Manufacturing, supplying and fixing in position plain cement concrete precast pavement slab of size 450mm x 450mm of 50mm thick in Cement Concrete 1:2:4 (One cement, Two sand and Four jelly) using 20mm HBG stone jelly including cost of moulding charges, casting of slab, finishing, curing, fixing and pointing the slab with CM 1:3 (One Cement and Three Sand) to full depth of slab etc., complete complying with standard specification and as directed				One Sqm	
55	11.00	Sqm	Manufacturing, supplying and fixing Precast Reinforced Cement Concrete slabs of following thickness in RCC 1:2:4 (one cement, two sand and four aggregates), using following HBGS jelly excluding cost of reinforcement steel in position but including cost of moulding charges, casting of slab, finishing, curing and fixing in position in all floors etc., complete complying with standard specification and as directed. 50mm thick				One Sqm	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
56	4.80	Rm	Supplying, laying and jointing glazed stoneware pipes of following dia of approved best quality with spigot and socket ends (in reverse direction) in dry condition and laid in loose joints (i.e.) without cement and spun yarn, so that the waste water can be drained to the trenches already available, excluding cost of earth work excavation, cost of re-filling with sand / earth, but including laying the pipe in true alignment and gradient and conducting required water supply test for draining with necessary tools and plants, etc., complete complying with standard specifications.				One Rm	
57	14.00	Rm	Supplying, laying and jointing glazed stone ware pipes of the following dia of approved quality with spigot and socket ends and fixing them in dry condition using spun yarn and cement including petty masonry shoring and strutting wherever found necessary and laying the pipe line in the alignment at the specified gradient and testing with necessary tools and plants, etc., and re-filling the trench with excavated earth and levelling the ground etc., complete complying with standard specifications. (Earth work excavation, re-filling with excavated earth will be measured and paid separately)				One Rm	
58	3.00	Each	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). - 110 mm PVC Tee				One Each	
59	1.00	Each	Supplying and fixing PVC ventilating shaft of 110mm dia (having working pressure 4 kg. / sq.cm) with 3 metre height including cost of PVC cylindrical cowl of best approved quality etc., complete complying with standard specifications and as directed by the departmental officers				One Each	
60	12.00	Rm	Supplying laying and jointing UPVC pipes of super thick of approved quality and best quality conforming to ISS and with ISI mark of the following sizes including cutting threading and fixing uPVC specials but excluding cost of such specials. Fixing into Bore well / below ground level for erection of compressor motor, suction line air pipe etc., complete complying with standard specification.				One Rm	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
61			Supplying, laying and jointing uPVC Pipes of the following dia of approved quality and best variety above ground level including fixing of uPVC Specials but excluding cost of such specials and cutting and threading of pipes but including fixing to the wall with necessary clamps and screws, Teak wood plugs making holes in the wall (or) drilling holes in the roof and making good of the disturbed portion to the ori uPVC nal condition with necessary brick work and plastering wherever necessary with necessary scaffolding charges. etc., complete complying with standard specification.					
	133.00	Rm	a) 25mm dia uPVC Pipe				One Rm	
	65.00	Rm	b) 20mm dia uPVC Pipe				One Rm	
62			Supplying and fixing in position the following uPVC Specials of heavy type and approved quality and good variety excluding fixing charges but including necessary cutting and threading of uPVC pipes, jointing the uPVC specials and painting with two coats with good variety and best quality synthetic enamel paint over a coat of red oxide primer and jointing the specials with pipe line using shellac etc., complete complying with standard specification. (The uPVC specials should be got approved by the Executive EnuPVC neer concerned before use on works.)					
	21.00	Nos	25mm uPVC Coupling				One Nos	
	24.00	Nos	25mm uPVC Elbow				One Nos	
	8.00	Nos	25mm uPVC Union				One Nos	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
	12.00	Nos	25mm uPVC TEE				One Nos	
	7.00	Nos	25mm uPVC Bend				One Nos	
	29.00	Nos	25mm x 20mm uPVC Reducer				One Nos	
	4.00	Nos	20mm uPVC Coupling				One Nos	
	11.00	Nos	20mm uPVC Union				One Nos	
	17.00	Nos	20mm uPVC Elbow				One Nos	
	26.00	Nos	15mm Hex Nipple				One Nos	
	9.00	Nos	25mm x 15mm uPVC Reducer				One Nos	
63	2.00	Nos	Supplying and fixing in position first quality and approved variety of G.I Ball 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.				One Nos	
64	2.00	Nos	Supplying and fixing in position first quality and approved variety of Ball Valve Handle 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).				One Nos	
Contractor :			No of Corrections: No of over writing:					Executive officer



SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
65	31.00	Nos	Supplying and fixing in position 15mm dia Brass CP screw down 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)				One Nos	
66	3.00	Each	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 riuPVCd 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 litres capacity PVC / 12.5 litres 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 such as 15mm brass connections, 15mm GM wheel valve, 15mm brass nipple (2 Nos.), 15mm nylon connection, TW plugs, screws and also uPVCing necessary connection to the PVC pipe including cost of 600mm length of 110mm dia PVC pipe and painting the CI brackets with 2 coats of approved paint over one coat of red oxide primer, dismantling the masonry and re-doing the dismantled masonry to oriuvCnal condition etc. complete complying with standard specifications. (The EWC and flushing tank wiht all accessories should be got approved by the Executive EnuPVCner before use on works)				One Each	
67	2.00	Each	Supplying and fixing in position best Indian make Wash hand basin of size 550mm X 400mm and approved brand and quality with a pair of C.I. Brackets fixed to wall with necessary teakwood plugs and brass screws one No. of 15mm C.P. Pillar tap 32mm C.P. Waste coupling, rubber plug and chain, 32mm G. I. Union, 32mmG. I. Waste pipe 15mm dia G. M. Wheel valve 15mm brass nipple and nylon connection including cost of white lead TW Plugs clamps, rubber washer, etc., complete (The wash hand basin should be got approved from the Executive EnuPVCneer before use on works).				One Each	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
68	6.00	Each	Supplying and fixing in position best Indian make white glazed earthenware Oriya type Indian water closet 580mmx440mm of approved brand and best quality with P or S trap with sand cushion and after conducting necessary leakage test the portion should be filled up with brick jelly lime concrete 1:2:5 (One lime two sand and five brick jelly using 40mm size broken brick jelly) for 100mm thick encasing the water closet and top left rough to receive the floor finish and giving necessary connection to P.V.C. soil stack including dismantling masonry RCC works wherever necessary and redoing the same to the original condition without any leakage etc., complete complying with standard specification ( The water closet 'P' or 'S' trap are to be got approved from the Executive Engineer before use on work). Holes should be left in walls for taking out the pipe from 'P' or 'S' trap and these should later be plugged with concrete.				One Each	
69	1.00	Each	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. (The Nahani Trap should be got approved by the Executive Engineer before use on works)				One Each	
70	21.00	Each	Supplying and fixing approved best quality brass CP towel rail 600mm long and 20mm dia with brackets of same materials including cost of teak wood plugs and CP screws, etc., complete complying with standard specifications. (The tower rail should be got approved by Executive Engineer before use on works).				One Each	
71	2.00	Each	Supplying and fixing in position CP shower rose with CP stop cock arrangement of size 15mm dia inlet and 100mm outlet to the pipe line with necessary cutting, threading and jointing using shellac etc., complete complying with standard specification and as directed by the departmental officers (The CP shower rose should be got approved by the Executive Engineer before use on works).				One Each	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
72	2.00	Each	Supplying and fixing best approved best quality brass CP soap tray of size 150 x 150mm including cost of teak wood plugs, brass screws, etc., complete complying with standard specifications. (The soap tray should be got approved by Executive Engineer before use on works).				One Each	
73			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 uPVCing connection to the PVC soil stacks, dismantling the masonry or RCC works and re-doing the dismantled portion to oriuvPVCnal condition etc., complete complying with standard specifications. (The PVC specials should be got approved by the Executive EnuPVCneer before use on works).					
	10.00	Nos	a. 110mm dia door bend				One Nos	
	10.00	Nos	b. 110mm dia plain bend				One Nos	
	1.00	Nos	c. 100mm dia Tee				One Nos	
	1.00	Nos	d. 75 mm dia door bend				One Nos	
	1.00	Nos	e. 75mm dia plain bend				One Nos	
Contractor :		No of Corrections: No of over writing:					Executive officer	

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
74			Supplying and fixing in position best quality PVC soil / waste pipes of various dia having 6 kg / sq.cm. pressure BIS mark and providing leak proof joints using PVC adhesives including fixing to the wall with special PVC / MS clamp, teak wood plugs, brass screws, etc., and making connection to all sanitary fittings, dismantling masonry / RCC works wherever found necessary and making the good dismantled portion to the original condition, including testing for any leakages, etc., complete complying with standard specifications. (The PVC pipes should be got approved by the Executive Engineer before use on works). The rate for earth work excavation will be measured and paid separately in the cases where the pipe lines are proposed to laid below ground level					
	4.00	Rm	a. 110 mm PVC Soil Pipe				One RM	
	1.00	Rm	b. 75 mm PVC Soil Pipe				One RM	
75			Drilling of Bore walls including transporation in all soil (or) sedinmentry sterta of clay and sand stone shalos, pebbles bounders etc. complete by first taking apilot of 150mm using constructors rig, fuel, labour drilling at site shown by the dept. office.					
	60.00	Rm	0 to 60 M				One RM	
	10.00	Rm	60 to 90 M				One RM	
76			Reaming from 200mm dia to 350mm dia bore as directed by dept. officers.					
	60.00	Rm	0 to 60 M				One RM	
	10.00	Rm	60 to 90 M				One RM	
Contractor :		No of Corrections: No of over writing:					Executive officer	

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
77	.		Supply and delivery of vertical wet type submersible pumpset 2 HP capable of discharging with control panel with necessary pipes and fitting and labour charges etc.complete.					
	1	Nos	3 PAHSE 2 HP ISI make 4 stage submersible pumpset 100x40 with Excise duty and taxes etc.				One Nos	
	1	Nos	160mm PVC end cup				One Nos	
	1	Nos	GM white				One Nos	
	2	Nos	500ML Solvent cement				One Nos	
	10	Nos	Bolt and Nut				One Nos	
	20	Nos	50mm PVC Coupling				One Nos	
	7	Nos	50mm PVC Bend				One Nos	
	7	Nos	50mm PVC Elbow				One Nos	
	120	Rm	6 Sqmm 3 core flat Cable				One RM	
	10	Nos	PVC Tap Roll (Empier tape)				One Nos	
	7	Nos	Nool Kandy				One Nos	
	7	Nos	Gasket shellac				One Nos	
	1	Nos	Bore Plate				One Nos	
Contractor :		No of Corrections: No of over writing:					Executive officer	

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
	60	Rm	50mm class PVC 10 KSC				One RM	
	60	Rm	150mm CS Casing Medium depth PVC pipe.				One RM	
	1	Nos	3 Phase panel board - D.O.L with two level guard and auto start Rate + 4% vat				One Nos	
	30	Rm	Slotter charge				One RM	
78	120.00	Rm	Labour charges for inserting PVC casing pipe with slots and without slots in the drilled holes including jointing the pipes with PVC couples with cement poste etc. complete.				One RM	
79	8.00	Hrs	Charges for developing the borewells with air compressor of 600 ctm capacity (minimum 8 hours) including transporation, labour and fuel charges for compressor as directed by dept officer etc.complete.				One Hrs	
80	170.00	Rm	Supplying laying and jointing PVC pipe of approved quality and best variety conforming to ISS and with ISI mark of 50mm including cutting threading and fixing PVC specials and including earth work exvcavation for 1M depth below ground level etc complete as per standard specifications				One RM	
81	80.00	Pts	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 3mm thick hylum sheet cover with TW switch box and 5A FT 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)				One Pts	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
82	91.00	Pts	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 accessoires in flush with wall with 3mm thick hylum sheet cover with TW switch box and 5A FT switch and making good of the concealed portion with suitable colour for PVC concealed light / fan Point (for electronic regulator) (5 points per coil) (SD-25)				One Pts	
83	4.00	Pts	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 accessoires in flush with wall with 3mm thick hylum sheet cover with TW switch box and 5A FT switch and making good of the concealed portion with suitable colour for PVC concealed light (6 points per coil) (for rooms like bath, toilet & pumproom. etc.) (SD-26)				One Pts	
84	6.00	Pts	Wiring with 3 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 3mm thick hylum sheet covered TW switch box and 5A FT switch (two way) and making good of the concealed portion with suitable colour for concealed staircase light point (SD-32)				One Pts	
85	22.00	Nos	Supply and fixing of 4'20W LED fitting with TW round blocks on wall or ceiling with PVC unsheathed Copper leads form terminals to the fitting. {Data-A}2)				One Nos	
86	32.00	Nos	Supply and fixing of 4'40W LED with conduit pipe suspension from the ceilingh with PVC unsheathed copper leads from terminals th the fitting {Data-B}				One Nos	
87	9.00	Nos	Supply and fixing of ORBIT LED SURFACE CEILING LIGHT (SQUARE) 12W Fitting on ceiling with connection.{Data-c}				One Nos	
88	2.00	Nos	Supply and fixing of LED WTBulk Head Fitting ORBH-15W with Connection {Data-D}				One Nos	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
89	11.00	Nos	Supply anfd fixing of 2x2 LED Flat panel fiting Havells 2x2PLS-42W-LED-8575 with TW round blocks on wall or ceiling with PVC unsheathed copper leafds from terminals to the fitting. {Data-E}				One Nos	
90	32.00	Nos	Supply and fixing of Havells LED low Bay 50W Fitting with MS Clamp Set with Bolt and Nut and tobe suspended with SS Chain 32m Width with End Hooks with PVC unsheathed Copper liads from terminals to the fitting. {Data-F}				One Nos	
91	4.00	Nos	Supply and fixing of Havells JETAALBA - FLOOD LIGHT - 70W LED Fitting with Necessary Wall Gdrouting clamps with Fising bolts on ceiling with PVC unsheathed Copper leads from terminals to the fitting. {Data-G}				One Nos	
92	13.00	Nos	Supply and fixing of Havells VILUMINA S-L30W-LED-757-PASYBOPC street light fitting with 32mm dia GL pipe (Class 'B') with 1 No. 32mm GL bend complete on the existing post wall with PVC unsheathed copper leads MS clamps and aluminium painting. {Data-H}				One Nos	
93	4.00	Nos	Supply and fixing of 1200mm (48") AC ceiling fan complete with stepped electronic 300W regulator with 300mm down rod on the existing clamp (SD-110)				One Nos	
94	2.00	Nos	Supply and fixing of 1200mm (48") AC ceiling fan complete with stepped electronic 300W regulator with 1 meter down rod on the existing clamp (SD-107)				One Nos	
95	42.00	Nos	Supply and fixing of 1400mm sweep (56") AC ceiling fan complete with stepped electronic 300W regulator with 1 metre down rod on the existing clamp (SD-109)				One Nos	
96	2.00	Nos	Supply and fixing of 300mm (12") sweep (light duty) AC exhaust fan complete without provision of hole in the wall (SD-115)				One Nos	
97	6.00	Nos	Supply and fixing of 375mm (15") sweep (Heavy duty) AC exhaust fdan complete without provision of holes ion the wall. {Data- I}				One Nos	
Contractor :			No of Corrections: No of over writing:					Executive officer



SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
98	2.00	Nos	Supply and fixing of louvers shutters arrangements for 300mm (12") sweep (light duty) AC exhaust fan (SD-120)				One Nos	
99	6.00	Nos	Supply and fixing of louvers shutters arrangements for 375mm (15") sweep light duty AC Exhaust fan (SD-121)				One Nos	
100	13.00	Nos	Supply and fixing of 450MM 18" Almonard Wall Fan on wall with connection. {Data- J }				One Nos	
101	50.00	Nos	Supply and fixing of 5A 3 pin and 2 pin combined flush type wall socket with 5A flush type switch concealed in suitable MS box in flush with wall and concealed with 3mm thick hylem sheet(SD-135)				One Nos	
102	9.00	Nos	Supply and fixing of 5A / 15A 3 pin combined flush type wall socket with 15A flush type switch concealed in suitable MS box in flush with wall and covered with 3mm thick hylem sheet (SD-138)				One Nos	
103	4.00	Nos	Supply and fixing of 25 A MCB protected socket in MS Enclosure Concealed in wall with Connection. {Data- K}				One Nos	
104	8.00	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) (SD-139)				One Nos	
105	600.00	Mts	Supply and run of 2 of 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour (SD-55)				One Mts	
106	300.00	Mts	Supply and run of 2 of 4 sq.mm. (56 / 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 of 14 SWG TC wire and making good of the concealed portion with suitable colour (SD-57)				One Mts	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
107	100.00	Mts	Supply and run of 4 of 10 sq.mm. (140 / 0.3) PVC insulated single core unsheathed coppewr conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour. {Data- L })				One Mts	
108	25.00	Mts	Supply and run of 4 of 16 sq.mm. (101 / 0.45) 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 of 14 SWG TC wire and making good of the concealed portion with suitable colour. {Data- M }				One Mts	
109	20.00	Mts	Supply and laying of 4 x 10 sq.mm PVC LTUG aluminium armoured cable in a trench to be excavated at a depth of 0.75 metre putting 0.15 metre layer of sand and covering the cable completely with bricks and sand and refilling the earth to make good (SD-202)				One Mts	
110	10.00	Mts	Sypply and clamping of 4 x 10 sq.mm. PVC LTUG armoured cable on post or on wall with MS Clamps (SD-220)				One Mts	
111	2.00	Nos	Supply and fixing of brass cable gland for 4 x 25 sq.mm. PVC LTUG aluminium armoured cable with earth connection (SD-185)				One Nos	
112	1.00	Nos	Supply and fixing of 32A TPN metal clad switch on suitable angle iron frame work with MS cable entry boxes with PWD earthing (SD-163)				One Nos	
113	6.00	Nos	Supply and fixing of 12 way single pole and neutral MCB sheet steel enclosure distribution board with 1No 32A DPMCB as incoming and 8Nos 6Amps to 32Amps SPMCB outgoing on suitable angle iron frame work with earth connection only. The MCB DB and MCB's should be with ISI mark(Like Legrand /Hager make) {Data- N}				One Nos	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
114	2.00	Nos	Supply and fixing of Vertical type 4way triple pole neutral MCB distribution board with Metal/Acrylic Door cover with IP42 Protection, with 63A 4 pole MCB Isolator as incoming with 63A 30mA Sensitivity RCCB and 1No TP MCB and 9 Nos 6A to 32A SP MCB as Outgoing on wall with Angle Iron frame work with earth connection only. The MCB DB and MCB's should be with ISI mark. (Like Legrandamake){Data- O}				One Nos	
115	1.00	Nos	Supply and fixing of Vertical type 4way triple pole neutral MCB distribution board with Metal/Acrylic Door cover with IP42 Protection, with 100 A 4 pole MCB Isolator as incoming with 4 Nos 63A TP MCB as Outgoing on wall with Angle Iron frame work with earth connection only. The MCB DB and MCB's should be with ISI mark. (Like Legrand / Hager L&T make ) {Data- P}				One Nos	
116	1.00	Nos	Supply and fixing of Vertical type 4way triple pole neutral MCB distribution board with Metal/Acrylic Door cover with IP42 Protection, with 63A 4 pole MCB Isolator as incoming with 3 Nos 32A TP MCB and 3 Nos 6A to 32A SP MCB as Outgoing on wall with Angle Iron frame work with earth connection only. The MCB DB and MCB's should be with ISI mark. (Motor Load ) {Data- Q}				One Nos	
117	1.00	Nos	Supply and fixing of Havells 100 A on-Load Change over Switch IHCHFEO100 with Enclosure and one No Havells 100A Switch disconnecter Fuse panel mounted cubical Type IHKDTW4100 on suitable anbgle iron frame work with cable Entry boxes with earth Connection.{Data- R}				One Nos	
118	40.00	Mts	Supply and laying of 31/2 x 50 sq.mm PVC LTUG aluminium armoured cable in a trench to be excavated at a depth of 0.75 metre putting 0.15 metre layer of sand and covering the cable completely with bricks and sand and refilling the earth to make good (SD-206)				One Mts	
119	15.00	Mts	Supply and laying of 31/2 x 50 sq.mm PVC LTUG aluminium armoured cable on post or on wall with ms clamps (SD-224)				One Mts	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
120	4.00	Nos	Supply and frxing of brass cable gland for 3-1/2 x 50 sq.mm. PVC LTUG aluminium armoured cable with earth connection (SD-188)				One Nos	
121	5.00	Mts	Supply and clamping of 31/2 x 50 sq. mm. PVC LTUG armoured cable through 65mm GI pipe on post ore on wall with MS clamps.{Data- S }				One Mts	
122	4.00	Nos	Supply and providing cable end termination of 3-1/2 x 50 sq.mm. PVC LTUG aluminium armoured cable with necessary aluminium cable sockets by crimping etc with electrical connection complete (SD-237)				One Nos	
123	4.00	Nos	Earthing as per the ISI specification with an earth electrode of 2.10 metre Class 'B' GI pipe of dia not less than 40mm with copper earth plate of size 125mm x 50mm x 6mm with necessary funneling arrangements with necessary masonry work and with 38mm RCC cover slab for the brick masonry (SD-233)				One Nos	
124	1.00	Nos	Supply and fixing of 3 phase 100 A aerial fuse unit for 3 Nos. 100 A fuse units (500V) on suitable MS sheet covered with 6mm thick hylem sheet on suitable angle iron work the tapping pole with necessary clamps. {Data- T}				One Nos	
125	30.00	Mts	Supply and run of 25mm x 3mm tinned copper flat with necessary clamps / supports on wall / floor / ground for earth connection (SD-76)				One Mts	
126	1.00	Nos	Supply and fixing of 3 Compartment panel (made up of 16SWG Sheet) with Lock and Keys with view Glass arrangements for obtaining the EB Supply having Bus bar Chamber with 25mmx3mm Copper flat for in/out Cable connection and 3 Nos 100A Fuse Unit with 1 no 100A Neutral Link with the provision for fixing the EB meter and Cable Entry Boxes with Necessary Connection. {Data- U}				One Nos	
127	1.00	Nos	Supply and fixing of 8 way single pole and neutral MCB sheet steel enclosure distribution board with 1 No 32A FP MCB Isolator as incoming and 4 Nos 6Amps to 32Amps SPCMCBs outgoing on suitable angle iron frame work with earth connection only. The MCB DB and MCB's should be with ISI mark (Like Legrand /Hager make) (St Light Control) {Data- V}				One Nos	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
128	30.00	Mts	Supply and run of 4 of 4 sq.mm. (56 / 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 of 14 SWG TC wire and making good of the concealed portion with suitable colour (SD-61)				One Mts	
129	12.00	Nos	Supply and fixing of 6 Metre Length Single Bracket Pole with Base Plate (250 x 250 x 6mm) 76.10mm OD x3.65mm Thick x 6000mm Length with concreting and construction of masonry pedestal with MS box of 30cm x 20cm x 10cm with angle iron frame work with door and lock and keyarrangements with supply and fixing 48W LED street Light fitting with LED and with supply and fixing 1No. 16A fuse unit (500V) and 5A SP switch inside the MS box with PVC unsheathed leads and painting of suitable colour. {Data- W}				One Nos	
130	26.00	Nos	Supply and fixing of brass cable gland for 2 x 10 sq.mm. PVC LTUG aluminium armoured cable with earth connection (SD-182)				One Nos	
131	250.00	Mts	Supply and laying of 2 x 10 sq.mm PVC LTUG aluminium armoured cable in a trench to be excavated at a depth of 0.75 metre putting 0.15 metre layer of sand and covering the cable completely with bricks and sand and refilling the earth to make good (SD-198)				One Mts	
132	50.00	Mts	Supply and clamping of 2 x 10 sq.mm PVC LTUG aluminium armoured cable post or on wall with MS Clamps (SD-216)				One Mts	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
133	1.00	Set	<p>45 KVA GENERATORE</p> <p>Supply, erection, testinbg, and commissioning of 45 KVA Diesel Silent Generation set,0.8 PF 3 Ph, 415V, 50 Hz as Ketiled below.</p> <p>A. Engine: Water cooled Diesel Engine type suitable for generating application with a Shaft output of suitable capacity of 60 BHP at 1500 RPM unde NTP conditions. As per the BSS 5414 / ISO 3046 The Engine Shall comprise the following standard Fittings. (Kirloskar / Cummins / Equivalent )</p> <p>B.Alternator: Capacity of 45 KVA / 36 KW, 0.8 PF Self excited,self regulated design to run at 1500 RPM under NTP condition confirming to BS 5000 / IS 13364(part II) 1992 to be cupled directly to the diesel Engineand Test Ceretificate. (Kirloskar / Cummins / Equivalent ) C. Battery: 1 No 12V 88/100AH Battery with copper leads and terminals, Battery Make EXIDE/AMCO/AMARON 1. Acoustic Enclosure: Suypply of acoustic Enclosure for 45 KVA Diesel Generator Set. The Acoustic enclosure is made of 1.6/2 mm thick CRCA sheets in munsel Green shade and a Structural Sheet metal base frame painted in Black. The walls of the enclosure are insulated with fire retardant foam so as to comply with the 75 dBA at mtr sound levels specified by Ministry of enforcement. The enclosure should be complete with</p> <ol style="list-style-type: none"> <li>1. Arrangement for power cable for connection.</li> <li>2. Residential exhaust silencer, with flexible base arrangements.</li> <li>3. Suction louvers.</li> <li>4. Discharge louvers.</li> <li>5. Open able and lockable doors on both sides with air tight Neoprene rubber gasket.</li> <li>6. Interior lighting arrangements.</li> <li>7. Lifting arrangements.</li> </ol> <p>J. Erection, Testing and Commissioning of the genset comprising the following:</p> <ol style="list-style-type: none"> <li>1. Providing suitable concrete foundation with plain cement concrete 1:2:4 with sand cushion all around the foundation suitable for mould engine and alternator with acoustic enclosure.</li> </ol>				One Set	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
134	50.00	mts	Supply and clarnping of 2 x10 sq.mm. PVC LTUG armoured cable through suitable GI pipe-32mm, on post or on wall with MS clamps. {Data- X}				One Mts	
135	3.00	mts	Supply and installation of exhaust piping of sufficient length with suitables MS pepes so as to extend outside the generator room with necessary thermal insulation. (SD)				One Mts	
136	1.00	Job	Supply of lubricating oil and first charging of starting battery and supply of 80 lts diesel to run the Gen set for minimum of 8 hours.				One Job	
137	2.00	Nos	<p>Supply, erection, testing, and commissioning of 1.5 Ton(4500 k.cal/Hr) ABS Plastic split type Air conditioner confirming to is:1391(Part 2) 1992 Amdt No.1 to 2 fitted with Retry compressor operating Refrigerant R.22/ Non CFC suitable for wall mounting for operation on 230 volts, 50 HZ single phase AC supply with star rating of 3 as per BEE specification and capable of performing the functions of 1) cooling 2) de humidifying 3) Air circulating 4) Filtering.The installation works for the above slit type AC unts includes the following. Mounting/fitting in door and out door units at the respective locations.</p> <p>1. Laying Refrigerant pipe line of required length connecting both units after drilling hole/holes in the wall if required. Thickness of copper tubing shall not be less than 0.7 mm.</p> <p>2. Insulating the suction pipe with expanded polyethylene foam 5mm tubing.</p> <p>3. Laying 15mm kia Flexible PVC drain pipe to throw out. The condensate water being formed within Indoor unit.</p> <p>4 Leakage testing the entire system.</p> <p>5. Charging Refrigerant gas in the unit.</p> <p>6. Suitable electric wiring to be provided with 2.5 sqmm. PVC Insulated copper wire between indoor and out door units up to 6 meters length and up to Switch within 3 meters of location of in door Unit. (Carrier/Voltas)(DGS&amp;D Rates)</p>				One Nos	
Contractor :			No of Corrections: No of over writing:					Executive officer

SL.NO	Qty.		Description of Work	MDSS No	Rate Quoted		Unit	Amount
					In Figures	In Words		
138	2.00	Nos	Renewal by Supply and Installation of 4.0 KVA Electronic Automatic voltage stabilizer V-Guard Make with Input voltage Range of 170 volt to 270 volt and output voltage drange 200 volts to 240 volts with High and low voltage cut off and 3 minutes time delay relay with demonstration.				One Nos	
139	2.00	Nos	Supply and fixing of 1000W automatic electric water heater of 25 litres capacity suitable for 230V 50 c/s AC supply on suitable MS clamps with 3 core flex wire, but without plumbing work. (SD-103)				One Nos	
140	2.00	Nos	Supply and fixing of 5A / 15A 3 pin combined flush type wall socket with 15A flush type switch concealed in suitable MS box in flush with wall and covered with 3mm thick hylem sheet (SD-138)				One Nos	
141	1.00	Each	TNEB Charges for obtaining 3Ph Service Connection including 3 Nos Pole Extention from the Main road				One Each	
			(GST - 12% of Sub Total)					
			Grant Total					
Contractor :			No of Corrections: No of over writing:					Executive officer