

SCHEDULE –‘A’

SCHEDULE OF RATES AND APPROXIMATE QUANTITIES FOR: **Development of Queue Complex and Pilgrim Amenities at Arulmigu Mariamman Temple, Samayapuram, Trichy**

a) The quantities here to be given are those upon which the lump sum tender cost of the based but they are subject to alteration, omission Deduction or addition as provided for in the contract do not necessary show the actual quantities of work to be done.

b) The unit rates noted below are those governing payments for extras or deductions for omissions according to the conditions of the contracts as set forth in the P.S of the TNBP and other conditions of specifications of the contract.

c) It is to be expressly understood that the measured work is to be taken(not with standing any customs or practice to be contrary) according to the actual quantities when in place and finished according to the drawing are as orders from time to time by the JC/EO on the cost calculated by measurement or weight at the respective prices without additional charge necessary or connected herewith. The rates quoted are for works in sitter and complete in every respect.

Item No	Quantity	Description of work	TNBPNO	Rate in figures and in words	Unit in figures and in words	Amount Rs.
1	1625.00 m3 (One Thousand Six Hundred and Twenty Five Cubic Metres)	Earthwork excavation for foundation in all soils and sub soils to full depth as may be directed except in hard rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary refilling the foundation with excavated earth other than sandy soil in layers of not more than 15 cm thick layers well rammed and depositing the surplus earth within compound in places shown by the departmental officers with an initial lead of 10 metre and initial lift of 2 metre and clearing and leveling the site etc., complete complying with standard specification and as directed by the departmental officers.	SS 20B		1 m3 (One Cubic Metre)	
2	1105.00 m3 (One Thousand One Hundred and Five Cubic Metres)	Refilling the basement 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 15cm thick well rammed, watered and consolidated etc., complete complying with standard specification and as directed by the departmental officers.	SS 24 & 25		1 m3 (One Cubic Metre)	
3	705.00 m3 (Seven Hundred and Five Cubic Metres)	Supplying and Filling in foundation and basement with filling sand in layers of not more than 15cm thick well rammed, watered and consolidated etc., complete complying with standard specification and as directed by the departmental officers.	SS 24 & 25		1 m3 (One Cubic Metre)	

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4	360.00 m3 (Three Hundred and Sixty Cubic Metres)	Supplying and Filling in foundation and basement and trenches with Gravel in layers of not more than 15cm thick well rammed, watered and consolidated etc., complete complying with standard specification and as directed by the departmental officers.	SS 37B		1 m3 (One Cubic Metre)	
5	3505.00 m2 (Three Thousand Five Hundred and Five Square Metres)	Providing Anti-termite treatment to soil adjacent and under building foundation, plinth periphery of the building by application of chemicals of IS 63613 part I to IV in stages to suit the progress of work consist as per the detailed specification as below. Including breaking of termite mounds, making holes with crow bar, closing the holes after the treatment and including cost of chemicals, labour charges, transport and storing etc., complete and as directed by the departmental officers.	Special		1 m2 (One Square Metre)	
6	2400.00 m3 (Two Thousand Four Hundred Cubic Metres)	Earth work 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.	SS 23		1 m3 (One Cubic Metre)	
7	2400.00 m3 (Two Thousand Four Hundred Cubic Metres)	Providing and laying sand gravel mix (1:1) at the rate of 0.62 cu.m of filling sand and 0.66 cu .m of gravel to consolidated 1hhide of 150mm designed to attain a CBR value of not less than 20 including cost and conveyance of sand gravel from approved sources to work site and stacking them to the departmental gauge for premeasurement including labour charges for power roller watering and all other tools and plants employed including all other incidental charges etc., complete (For road/Pavement works)	SS 24 & 25		1 m3 (One Cubic Metre)	
8	2471.00 M (Two Thousand Four Hundred and Seventy One Metres)	Providing reinforced cement concrete vertical cast in situ bored pile 400mm dia. of effective length of 6m using M25 design mix concrete and 20mm HBGS jelly metal ISS excluding cost of steel reinforcement, including providing of temporary casing pipe of minimum length of 1m at top for stabilising the sides of bore holes for the remaining length Concreting for this pile shall be done through transit pipes and minimum cement content shall be not less than 400 kg/m3. The reinforcement of the pile must be done up to top level of the pile cap, excluding cost of pile reinforcement. The cost includes mobilisation and demobilisation of pile equipment.	SS 30		1 M (One Metre)	

9	130.00 M (One Hundred and Thirty Metres)	Providing reinforced cement concrete vertical cast in situ bored pile 450mm dia. of effective length of 6m for control room using M25 design mix concrete and 20mm HBGS jelly metal ISS excluding cost of steel reinforcement, including providing of temporary casing pipe of minimum length of 1m at top for stabilising the sides of bore holes for the remaining length Concreting for this pile shall be done through transit pipes and minimum cement content shall be not less than 400 kg/m ³ . The reinforcement of the pile must be done up to top level of the pile cap, excluding cost of pile reinforcement. The cost includes mobilisation and demobilisation of pile equipment.	SS 30		1 M (One Metre)	
10	170.00 M (One Hundred and Seventy Metres)	Providing reinforced cement concrete vertical cast in situ bored pile 500mm dia. of effective length of 6m using M25 design mix concrete and 20mm HBGS jelly metal ISS excluding cost of steel reinforcement, including providing of temporary casing pipe of minimum length of 1m at top for stabilising the sides of bore holes for the remaining length Concreting for this pile shall be done through transit pipes and minimum cement content shall be not less than 400 kg/m ³ . The reinforcement of the pile must be done up to top level of the pile cap, excluding cost of pile reinforcement. The cost includes mobilisation and demobilisation of pile equipment.	SS 30		1 M (One Metre)	
11	24.00 Tests (Twenty Four Tests)	Single pile under routine load test for safe load 40 tonnes with a factor of safety 1.5 times as per ISS 2911 part IV and other relevant codes inclusive of all charges for extension of cutting of piles that may be necessary, erecting loading platform in the manner accepted and approved by the board engineers together with labour and other incidental charges for loading and unloading the test loads, hire and transport charges and all other incidental charges for conducting the test including retaining the test load for 2 hour at 100% capacity. Testing equipment shall be got tested at contractors cost and test certificate for pressure gauge must be done before taking up the 1st load test.	Special		1 Test (One Test)	

12		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	SS 28			
a	165.00 m3 (One Hundred and Sixty Five Cubic Metres)	Foundation and Basement				1 m3 (One Cubic Metre)
b	308.00 m3 (Three Hundred and Eight Cubic Metres)	Flooring				1 m3 (One Cubic Metre)
13	800.00 m3 (Eight Hundred Cubic Metres)	Plain Cement Concrete 1:2:4 (one cement, two sand and four hard broken stone jelly) using 20mm jelly for wearing coat including laying, compacting, finishing and curing, etc., complete complying with standard specifications and as directed by the departmental officers.	SS 28			1 m3 (One Cubic Metre)
14	575.00 m2 (Five Hundred and Seventy Five Square Metres)	Manufacturing, supplying and fixing in position plain cement concrete precast kerb slab of size 600mm x 600mm x 100mm 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 by the departmental officers.	Special			1 m2 (One Square Metre)

15		M25 Cement Concrete 1:1:2 (One Cement, One sand and Two hard broken stone jelly) using 20 mm gauge hard broken granite stone jelly for all RCC items of works 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 and bearing surfaces of walls, beams etc. shall be finished smooth with Cement Mortar 1:3 (One Cement and Three Sand) and kraft paper laid over it without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers	SS 30			
a	452.00 m3 (Four Hundred and Fifty Two Cubic Metres)	Foundation and Basement				1 m3 (One Cubic Metre)
b	1015.00 m3 (One Thousand and Fifteen Cubic Metres)	Super structure (Ground Floor)				1 m3 (One Cubic Metre)
c	145.00 m3 (One Hundred and Forty Five Cubic Metres)	Super structure (First Floor)				1 m3 (One Cubic Metre)
d	50.00 m3 (Fifty Cubic Metres)	Super structure (Second Floor)				1 m3 (One Cubic Metre)
e	13.00 m3 (Thirteen Cubic Metres)	Super structure (Third Floor)				1 m3 (One Cubic Metre)

16		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 by the departmental officers.	SS 28 & Special			
a	735.00 m2 (Seven Hundred and Thirty Five Square Metres)	75mm thick slab (using 20mm HBGS Jelly)				1 m2 (One Square Metre)
b	128.00 m2 (One Hundred and Twenty Eight Square Metres)	50mm thick slab (using 20mm HBGS Jelly)				1 m2 (One Square Metre)
17	2605.00 Qtl. (Two Thousand Six Hundred and Five Quintal)	Supplying, fabricating and placing in position of MS / RTS rods for all RCC items of works including cost of steel and binding wire in all floors etc., Complete complying with standard specification and as directed by the departmental officers.	SS 86 & 86A			1 Qtl. (One Quintal)
18	2690.00 m2 (Two Thousand Six Hundred and Ninety Square Metres)	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, Pile caps, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specification. (Payment for centering shall be given after the concrete is laid) Foundation and Basement	SS 26, 30S & 86A			1 m2 (One Square Metre)

19		Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at abote 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specificaliton. (Payment for centering shall be given after the concrete is laid)	SS 26, 30S & 86A			
a	7855.00 m2 (Seven Thousand Eight Hundred and Fifty Five Square Metres)	For plane surfaces such as RCC floor slab, roof slab, beams, lintels, bed blocks, landing slab, waist slab, portico slabs and beams, etc.				1 m2 (One Square Metre)
b	1245.00 m2 (One Thousand Two Hundred and Forty Five Square Metres)	Rectangular or Square RCC Column ,Sunshades,top and bottom slab of RCC Box				1 m2 (One Square Metre)
c	805.00 m2 (Eight Hundred and Five Square Metres)	Centering for curved surfaces of all RCC items of work				1 m2 (One Square Metre)
d	1091.00 m2 (One Thousand and Ninety One Square Metres)	For circular columns-300 mm dia				1 m2 (One Square Metre)
20	550.00 m2 (Five Hundred and Fifty Square Metres)	Supplying and centering for Grid beam and Grid slabs bottom sides and soffits including supports and strutting up to a height of 4.30 meters for plain surfaces etc., complete complying with standard specification and as directed by the departmental officer.	SS 26, 30S & 86A			1 m2 (One Square Metre)
21	18670.00 m2 (Eighteen Thousand Six Hundred and Seventy Square Metres)	Providing additional strutting using casurina poles to centering of RCC slabs or plane surfaces for every addtional 1 metre height or part there of but not less than 30cm over the initial height of 3m from floor level using casurina props of 10cm to 13cm dia including cross bracings etc., complete complying with standard specification and as directed by the departmental officer.	SS 26, 30S & 86A			1 m2 (One Square Metre)

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22		Brick work in Cement Mortar 1:6 (One Cement and Six sand)using best quality of country bricks of size 8-3/4" x 4-1/4" x 2-1/4" including curing, etc., complete complying with standard specification.	SS 31C			
a	428.00 m3 (Four Hundred and Twenty Eight Cubic Metres)	For foundation and Basement			1 m3 (One Cubic Metre)	
b	628.00 m3 (Six Hundred and Twenty Eight Cubic Metres)	For Superstructure in Ground Floor			1 m3 (One Cubic Metre)	
c	125.00 m3 (One Hundred and Twenty Five Cubic Metres)	For Superstructure in First Floor			1 m3 (One Cubic Metre)	
d	100.00 m3 (One Hundred Cubic Metres)	For Superstructure in Second Floor			1 m3 (One Cubic Metre)	
e	20.00 m3 (Twenty Cubic Metres)	For Superstructure in Third Floor			1 m3 (One Cubic Metre)	
23		Brick partition walls of 10.80cm thickness using best quality country bricks of size 8-3/4" x 4-1/4" x 2-1/4" in Cement Mortar 1:3 (One Cement and Three Sand) using hoop iron reinforcement if found necessary including curing etc. complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately)	SS 31C			
a	328.00 m2 (Three Hundred and Twenty Eight Square Metres)	For Superstructure in Ground Floor			1 m2 (One Square Metre)	
b	60.00 m2 (Sixty Square Metres)	For Superstructure in First Floor			1 m2 (One Square Metre)	

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c	50.00 m2 (Fifty Square Metres)	For Superstructure in Second Floor			1 m2 (One Square Metre)	
24	50.00 m2 (Fifty Square Metres)	Manufacturing supplying and fixing in position of teracotta jally 20x20x5cm thick approved quality and design in cement slurry including cost of materials labour curing lifting fixing in position etc, complete complying with standard specification and as directed by the departmental officers in all floors.	Special		1 m2 (One Square Metre)	
25	1.70 m3 (One Point Seven Zero Cubic Metres)	Supplying and fixing Teakwood frame with scantling above 2m for doors including labour charges for wrought and putup in possible and for fixing holdfast in frame and necessary etc., complete.	Special		1 m3 (One Cubic Metre)	
26	68.00 m2 (Sixty Eight Square Metres)	Supplying and fixing Teakwood fully panelled shutters for using Teakwood scantlings upto 4m length and teakwood 40mm thick for styles and rails and 22mm thick for planks and panels including cost of wind appliances and labour charges for fixing the furniture fittings in position but excluding cost of furniture fittings. Complete as directed by the Departmental officers.	Special		1 m2 (One Square Metre)	
27	153.00 m2 (One Hundred and Fifty Three Square Metres)	Solid PVC door shutters using 19 Gauge 19mm MS square tubes for styles and outer frames. 15mm MS square tubes for top, lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC sheets. Shutter using 5mm thick solid PVC sheets for panelling shall rigidly fixed in position including necessary furniture and fittings. The over all size of styles shall be 50mm x 30mm. The over all size of top rail, Lock rail and bottom rail shall be 75mm x 30mm. The over all size of frames shall be 50mm x 45mm, with suitable rabate for housing the shutter. Solid panel PVC door with frame	SS 74 & Special		1 m2 (One Square Metre)	
28	110.00 m2 (One Hundred and Ten Square Metres)	Supplying and Fixing UPVC (unpoly vinyl chloride)windows of casement type (open)of the following sizes of approved standard quality 1.5x1.5 , 1.2x1.2 with 3 or 2 Shutters (5mm pin head glass) and wind break hinges. The window should be of multi chambered sections with wall thickness of 2.3mm reinforced with hot dip galvanized to 125 GSM and 100% corrosion free, complete complying with standard specification.	Special		1 m2 (One Square Metre)	

29	30.00 m2 (Thirty Square Metres)	Supplying and fixing PVC sliding door/window with Solid PVC door shutters using 19 Gauge 19mm MS square tubes for styles and outer frames, 15mm MS square tubes for top, lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC sheets. Shutter using 5mm thick solid PVC sheets for panelling shall rigidly fixed in position including necessary furniture and fittings. The over all size of styles shall be 50mm x 30mm. The over all size of top rail, Lock rail and bottom rail shall be 75mm x 30mm. The over all size of frames shall be 50mm x 45mm, with suitable rabate for housing the shutter including slidng arrangements	SS 74 & Special		1 m2 (One Square Metre)	
30	68300.00 Kg (Sixty Eight Thousand and Three Hundred Kilograms)	Supplying and fixing ornamental M.S Grill of approved design for open court yard grill with doors and window openings etc., using necessary mild steel flats for inner and outer member which should be fixed an edges including priming coat of best approved quality red oxide primer etc., complete with standard specification.	Special		1 Kg (One Kilogram)	
31	84.00 m2 (Eighty Four Square Metres)	Fabrication, supply and fixing in position of ' N ' type ventilators using M.S. angle of size 25 x 25 x5 mm for frame and M.S. Flat of size 20 x 3 mm for fixing the weld mesh and using 25 x 22 x3 mm 'T' section for frame glass. Special type of Hold fast welded to the frame of 45 degree inclined towards centre for wall and fxing the weldmesh 25mm square including cost of 3mm thick pinheaded glass panes for all panels and fixing the glass panels with necessary clips & putties with required bolts, nuts and washers and one coat of red oxide primer etc. including necessary dismantling, making holes in RCC columns, beams, masonry wherever necessary with power drill to the extend required and made good to the original conditions after fising as directed by the departmental officers.	SS 73 & Special		1 m2 (One Square Metre)	
32	12.00 m2 (Twelve Square Metres)	Supplying and erecting pull and push type rolling shutter with ISI make of approved size and section using 18 gauge GI sheet. The shutter shall be painted with one coat of red oxide primer and the rate is inclusive of hood covers, transportation charges etc., Manually Operated (up to 8m2 area)	Special		1 m2 (One Square Metre)	

33	10.00 m2 (Ten Square Metres)	Supplying and fixing in position steel balustrades using 20mm square rods spaced at 150mm centre to centre so that the two balustrades in each step shall be placed centrally and the top of balustrades connected with the hand rails (cost of hand rail shall be measured and paid separately) by means of MS flats of size 40mm x 6mm in the groove 40mm x 6mm provided at the bottom of hand rail, the bottom of balustrades shall be fixed on to the top of step concrete. An additional MS flat of size 50mm x 6mm shall be provided at the centre of balustrades connecting all square rods to the entire length including cost of square rods, flat and applying one coat of red oxide primer to the iron surfaces, etc., complete complying with standard specification and as directed by the departmental officers.	Special		1 m2 (One Square Metre)	
34	90.00 m2 (Ninety Square Metres)	Fabricating, Supplying and fixing in position of steel glazed fixed window (Five Leaves) with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion 'J' section (F4B) of size 46x25x3mm at 2.28kg/m and shutter section of made of F7D of 33x25x3mm at 1.419 kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with 3mm thick pin headed glass and fixed with 15x12mm teakwood beading of superior quality and fixed with shutter frames. 2 numbers of sturdy hinges and one number of handle to be fixed to each shutter at an appropriate height in window. suitable opening is left for its easy operation. a stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. each window shutter having an adjustable stay made out of 18 x 5mm at 0.70 kg/ m MS flat of length 320mm with three adjustable position. A matching peg is provided in the outer frame of the window at suitable place. 4 Nos. of hold fasts of 120mm length spliced at the ends are welded to the outer frame of the window. An MS square bar of 12mm size is welded to the inner face of the window at an equal interval not exceeding 100mm edge between them. All members are painted with one coat of anti-corrosive red oxide primer as directed by the departmental officers. All sections should be in confirmed with IS 7452/1990. The cost includes cost of all materials, labour charges and other incidental charges, etc., complete	SS 73, 74 & Special		1 m2 (One Square Metre)	

35	150.00 RM (One Hundred and Fifty Running Metres)	Supplying and fabricating and fixing in position 40mm dia GI pipe 'B' class for hand rails on the flats of steel balustrades including cutting the pipe to the required length and shape grinding the edge smooth welding wherever necessary as directed by the departmental officers including cost of one coat red oxide primer etc., complete complying with standard specifications and as directed by the departmental officers . The rate includes cost of GI pipe, taxes and labour charges for fixing in position.	Special		1 RM (One Running Metre)	
36	27000.00 Kg (Twenty Seven Thousand Kilograms)	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position including use of chequered plate wherever required all complete and applying a priming coat of approved steel primer all complete	Special		1 Kg (One Kilogram)	
37	2785.00 m2 (Two Thousand Seven Hundred and Eighty Five Square Metres)	Paving the floor with best quality Vitrified Tiles of size 600 x 600 x 8mm of approved colour, shade and quality laid in cement mortar 1:3 (one cement and three sand) 20mm thick in all floors and the top pointed with the white cement mixed same colour pigments etc., complete complying with standard specification. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)	SS 39A & 39B		1 m2 (One Square Metre)	
38	120.00 m2 (One Hundred and Twenty Square Metres)	Paving the floor with best approved quality fine polished Kota stone slabs of size 600 x 600 of 18 / 20mm with machine cut edges and matching marble slab not less than 100mm width other than Adanga Marbles as border laid over a cement mortar bed of 20mm thick using cement mortar 1:3 (One cement and three sand) fixing the slabs in true right angles with minimum possible width of joints and pointing the joints with white cement mixed with matching colouring pigments and polishing with floor polisher to a high degree of finish etc., The kota stone slabs and other materials to be used shall be got approved by the Executive Engineer concerned before use on work, etc., complete as per standard specification.	SS 39A & 39B & Special		1 m2 (One Square Metre)	

39	310.00 m2 (Three Hundred and Ten Square Metres)	Paving the floor with plain ceramic tiles of approved quality and colour of size 305 x 305 x 6mm in all floors over a base layer of cement mortar 1:3 (one cement and three sand) 20mm thick and pointing with white cement using 0.30kg/m ² including adding suitable colour pigments to suit the colour of tiles finishing perfectly and curing etc., including cost of tiles, all materials and incidental charges, transportation charges and labour charges for laying tiles etc., complete complying with standard specification and as directed by the departmental officers . (The tiles should be got approved by the departmental officers before use on works).	SS 39A & 39B		1 m2 (One Square Metre)	
40	1784.00 m2 (One Thousand Seven Hundred and Eighty Four Square Metres)	Dadoing walls with best approved quality, Plain colour glazed tiles of sizes of 150 x 150 x 6mm 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.	SS 39A & 39B		1 m2 (One Square Metre)	
41	225.00 m2 (Two Hundred and Twenty Five Square Metres)	Paving the floor with best approved quality fine polished Granite Stone Slabs of size 1200 x 600 of 18 / 20mm thick of Synthetic Grey, Paradise and similar varieties with machine cut edges laid over a cement mortar bed of 20mm thick using cement mortar 1:3 (One cement and three sand) fixing the slabs with required cement slurry and laid in true right angles with minimum possible width of joints and pointing the joints with white cement mixed with matching colouring pigments etc., The granite stone slabs and other materials to be used shall be got approved by the Executive Engineer concerned before use on work, etc., complete as per standard specification.	SS 39A & 39B & Special		1 m2 (One Square Metre)	
42	30.00 m2 (Thirty Square Metres)	Paving the floor with fine polished cuddapah stone slab of 20 / 30mm thick laid over Cement Mortar 1:3 (One Cement and Three Sand) 20mm thick over the existing bed of Cement Concrete 1:5:10, (One Cement, Five Sand and Ten aggregate) and pointing the joints to full depth of slabs with same mortar mixed with black oxide and the top surface rendered smooth, curing, etc., The cuddapah stone slabs and other materials to be used shall be got approved by the Executive Engineer concerned before use on work, etc., complete complying with standard specification.	SS 39A & 39B & Special		1 m2 (One Square Metre)	

43	147.00 m2 (One Hundred and Forty Seven Square Metres)	Paving the floor with fine polished cuddapah stone slab of 38 / 40mm thick laid over Cement Mortar 1:3 (One Cement and Three Sand) 20mm thick over the existing bed of Cement Concrete 1:5:10, (One Cement, Five Sand and Ten aggregate) and pointing the joints to full depth of slabs with same mortar mixed with black oxide and the top surface rendered smooth, curing, etc., The cuddapah stone slabs and other materials to be used shall be got approved by the Executive Engineer concerned before use on work, etc., complete complying with standard specification.	SS 39A & 39B & Special		1 m2 (One Square Metre)	
44	60.00 m2 (Sixty Square Metres)	Supplying and fixing fine polished cuddapah slab of following thickness for cupboard arrangements including laying to correct alignment with necessary cement mortar and black powder etc, complete complying with standard specification and as directed. (20/30 mm thick)	Special		1 m2 (One Square Metre)	
45	285.00 m2 (Two Hundred and Eighty Five Square Metres)	Dadoing walls with following best approved quality 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. Dadoing with printed design colour glazed tiles of size 300mm x 200mm x 6mm	SS 39A & 39B		1 m2 (One Square Metre)	
46	275.00 m2 (Two Hundred and Seventy Five Square Metres)	Paving the floor with pre-polished concrete anti-skid 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)	SS 39A & 39B & Special		1 m2 (One Square Metre)	
47	610.00 m2 (Six Hundred and Ten Square Metres)	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)	SS 39A & 39B & Special		1 m2 (One Square Metre)	

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48	275.00 m2 (Two Hundred and Seventy Five Square Metres)	Providing granolithic floor finish of the following thickness with plain cement concrete 1:2:4 (One Cement, Two sand and Four aggregate) using 10 to 12mm gauge hard broken stone jelly including laying, finishing and the top rubbed smooth with power trawl, thread lining, curing etc. complete complying with standard specification and as directed by the departmental officers. (The rate is inclusive of necessary planking for panelling wherever necessary and as directed by the departmental officers) 25mm thick	Special		1 m2 (One Square Metre)	
49	800.00 m2 (Eight Hundred Square Metres)	Supplying and laying interlocking Paverblock 80mm over base of sand filling including cost of material, laying and labour charges.	Special		1 m2 (One Square Metre)	
50	7200.00 m2 (Seven Thousand Two Hundred Square Metres)	Supplying and laying Dazzle/equivalent make interlocking Paverblock 80mm thick over base of 50 mm thick compacted sand filling and the sand used should not be 100 % dry. Spread river sand on the laid area to fill the joint gaps by running the vibrating plate compactor to get perfect level as directed by the department officials including cost of material, machinery, laying and labour charges.	Special		1 m2 (One Square Metre)	
51		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.	SS 1, 44 & 44A			
a	19.00 m3 (Nineteen Cubic Metres)	Ground Floor			1 m3 (One Cubic Metre)	
b	15.00 m3 (Fifteen Cubic Metres)	Third Floor			1 m3 (One Cubic Metre)	

52	360.00 m2 (Three Hundred and Sixty Square Metres)	Finishing the top of roof with one course of machine pressed tiles following size of 200x200x20mm size 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	SS 39A & 39B & Special		1 m2 (One Square Metre)	
53	300.00 m2 (Three Hundred Square Metres)	Supplying and fixing colour galvanum sheet roof of 0.47mm thick and ISMB 300&400,ISWB 500 raft members and steel tubular box section of 70x70x3.3mm purlis including priming coat fixing in position with all necessary accessories complete complying with standard specification and as directed by the departmental officers.	Special		1 m2 (One Square Metre)	
54	3535.00 m2 (Three Thousand Five Hundred and Thirty Five Square Metres)	Finishing the top of slopped roof, sun-shade with Machine Pressed Ornamental Tiles of approved quality laid in cement mortar 1:3 20mm thick mixed with WPC at 2% by weight of cement used and top pointed with the same red oxide mixed mortar etc complete, complying with standard specifications	Special		1 m2 (One Square Metre)	
55	1290.00 M (One Thousand Two Hundred and Ninety Metres)	Providing and fixing 15cm wide 45cm overall semi circular colour galvanum sheet gutter with iron brackets 40X3mm size, bolts, nuts and washers etc., including making necessary connection with rain water pipes complete. 0.80mm thick with zinc coating not less than 275gm/m2.	Special		1 M (One Metre)	
56	80.00 m2 (Eighty Square Metres)	Supplying and fixing colour galvanum sheet roof of 0.47mm thick and steel tubular box section of 100x50x3mm of 1meter interval including priming coat fixing in position with all necessary accessories complete complying with standard specification and as directed by the departmental officers.	Special		1 m2 (One Square Metre)	

57	465.00 M (Four Hundred and Sixty Five Metres)	Supplying and fixing in position best approved of ISI quality of 110 mm dia PVC rain water down fall pipes having a working pressure of 4 kg / sq.cm including cost of necessary PVC shoe, PVC bend, C.I. gratings of required dia. 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 cost of removable iron grating. The PVC pipe shall be fixed on wall with special type of clamps. Special type "U" clamp at the centre of the pipe line shall be fixed in addition to those for more than 3.0M pipe length complying with standard specification.	Special		1 M (One Metre)	
58	9300.00 m2 (Nine Thousand and Three Hundred Square Metres)	Plastering with cement mortar 1:5 (one cement and five sand) 12mm thick in all floors using fine river sand including neat finishing, curing, etc., complete complying with standard specification and as directed by the department officers.	SS 56 & 57		1 m2 (One Square Metre)	
59	1250.00 m2 (One Thousand Two Hundred and Fifty Square Metres)	Plastering with Cement Mortar 1:3 (One Cement and Three Sand) 20mm thick mixed with water proofing compound conforming to BIS at 2% by weight of cement used including finishing, curing, etc., complete in all floors complying with standard specification and as directed by the departmental officers.	SS 56 & 57		1 m2 (One Square Metre)	
60	7185.00 m2 (Seven Thousand One Hundred and Eighty Five Square Metres)	Special ceiling plastering and finishing the exposed surface of all RCC items of work such as slabs, beams, sunshades, fascia, 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	SS 56 & 57		1 m2 (One Square Metre)	
61	6135.00 m2 (Six Thousand One Hundred and Thirty Five Square Metres)	White washing two coats to walls and ceiling in all floors with best shell lime including cost of lime fevicol and sodium chloride and other materials like brushes scaffolding charges etc., including preparing the surface, neat finishing etc., complete complying with standard specification and as directed by the departmental officers.	SS 63		1 m2 (One Square Metre)	

62	4845.00 m2 (Four Thousand Eight Hundred and Forty Five Square Metres)	Supplying and painting the walls with two coats of oil bound distemper over one coat of water based cement primer including cost for distemper, primer, cleaning and scrapping the walls, rendering the walls smooth with necessary putty, brushes, scaffolding arrangements, labour charges, etc., as per standard specification. (The colour and shade of the distemper shall be got approved by the Executive Engineer before use of work). INTERIOR	SS 64		1 m2 (One Square Metre)	
63	5740.00 m2 (Five Thousand Seven Hundred and Forty Square Metres)	Painting two coats over newly plastered wall surface with Water based Interior/ 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. EXTERIOR	SS 66, 66A & 66B		1 m2 (One Square Metre)	
64	3934.00 m2 (Three Thousand Nine Hundred and Thirty Four Square Metres)	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.)	SS 66, 66A & 66B		1 m2 (One Square Metre)	
65	145.00 m2 (One Hundred and Forty Five Square Metres)	Polishing the teak wood door with two coats of best French (Lac) polish with approved quality and brand over a coat of bee's waxing including preparing the wooden surface to receive polishing, etc., complete complying as per the standard specifications. (The make, quality and colour of french polish, bees vax should be got approved by the Executive Engineer before use on works.)	Special		1 m2 (One Square Metre)	
66	950.00 m2 (Nine Hundred and Fifty Square Metres)	Providing Ferrocement architectural features on column sunshade etc,for appearance purpose in C.M. 1:2 -5mm thick reinforced with 6mm rods and stirrups covered with chicken mesh plastered and painted to finish.	Special		1 m2 (One Square Metre)	

67	9.00 Nos (Nine Numbers)	Supplying and fixing in position Indian Water Closet (Oriya type) of size 580 x 440mm white glazed earthen ware of approved quality and brand with "P" or "S" trap conforming to BIS with sand cushion and forming flooring around the closet using 40mm broken brick jelly in lime concrete 1:2:5 (One lime, Two sand and Five brick jelly) 100mm thick and finishing the top to the required slope and including giving necessary connection to CI soil pipes (including the cost of 100mm dia CI pipe for a length of 600mm) by dismantling brick masonry wall / reinforced cement concrete roof / floor slab and making good the dismantled portion to the original condition with leakages etc., complete complying with standard specifications and as directed by the departmental officers. (The water closet should be got approved by the Executive Engineer before use on works).	Special		1 No (One Number)	
68	17.00 Nos (Seventeen Numbers)	Supplying and fixing in position white glazed European Water Closet of best quality and approved make with 100 mm "P" or "S" trap connecting with CI pipe of 100mm dia / PVC pipe of 110mm dia, double flapped rigid PVC black seat and seat cover with CP brass hinges including cost of white cement, cement for packing, spun yarn, teak wood plugs, brass screws, etc., including supplying and fixing 10 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 giving 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 original condition etc. complete complying with standard specifications. (The EWC and flushing tank with all accessories should be got approved by the Executive Engineer before use on works)	Special		1 No (One Number)	

69	51.00 Nos (Fifty One Numbers)	Supplying and fixing in position best quality and approved make Indian made white glazed earthenware wash hand basin of size 550 x 400mm (with pedestal / without pedestal) with a pair of cast iron brackets, including cost 15mm dia brass CP pillar tap, 32mm dia "B" class GI waste pipe with rubber plug and chain, 15mm dia GM wheel valve, 15mm brass nipple, 15mm dia nylon connection, 32mm dia CP brass waste coupling including fixing of wash basin using CI brackets on to the wall in position with TW plugs and screws, rubber washers, white lead and giving necessary water supply connection and painting the brackets with two coat of painting over a priming coat of anti-corrosive paint including testing for leakages etc., complete complying with standard specification and as directed by the departmental officers. (The wash hand basin and specials should be got approved by the Executive Engineer before use on works).	Special		1 No (One Number)	
70	24.00 Nos (Twenty Four Numbers)	Supply and fixing in position of best Indian make white glazed earthenware lipped mouth flat back urinal of best quality and approved make of size 430mm x 260mm x 350mm with GI pipe, 32mm dia bell mouth PVC connection and waste pipe, 15mm dia GI pipe of required length, 15mm dia GM wheel valve, 15mm dia brass nipple 2 Nos., and fixing the urinals in position with necessary TW plugs, clamps, screws, etc., including dismantling masnory and re-doing the same to the original condition, etc., including painting the pipe with two coats of best quality approved synthetic enamel paint over one coat of red oxide primer and checked without any leakage etc. complete complying with standard specifications and as directed by the departmental officers. (The urinal should be got approved by the Executive Engineer before use on works.)	Special		1 No (One Number)	
71	2.00 Nos (Two Numbers)	Supplying and fixing in position best quality approved make white glazed earthenwere sink of size of 600 x 450 x 200mm including cost of 32mm dia CP waste coupling, 32mm dia PVC waste pipe with rubber plug and chain, 15mm dia brass nipple including fixing the sink in position and testing for leakages etc., complete complying with standard specifications excluding CI brackets. [The sink and specials should be got approved by the Executive Engineer before use on works]	Special		1 No (One Number)	

72	20.00 Nos (Twenty Numbers)	Supplying and fixing in position best quality cuddapah sink of following sizes including cost of 32mm dia CP waste coupling, 32mm dia PVC waste pipe with rubber plug and chain, 15mm dia brass nipple including fixing the sink in position and testing for leakages etc., complete complying with standard specifications excluding CI brackets. [The sink and specials should be got approved by the Executive Engineer before use on works] Cuddapah sink of 600 x 450 x 200mm sizes	Special		1 No (One Number)	
73	24.00 Nos (Twenty Four Numbers)	Supplying and fixing in position Indian make bevelled edge mirror of approved quality and brand PVC / Fibre Glass framed 600 x 450 x 5.5mm thick mirror, shelf type with hard board backing of approved colour fixed with brass screws, rawl plug, etc., complete complying with standard specification. (The mirror should be got approved by the Executive Engineer before use on woks)	Special		1 No (One Number)	
74	26.00 Nos (Twenty Six Numbers)	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).	Special		1 No (One Number)	
75	28.00 Nos (Twenty Eight Numbers)	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).	Special		1 No (One Number)	
76	67.00 Nos (Sixty Seven Numbers)	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) CI Nahani Trap of size 100 x 75mm with stainless steel gratings	Special		1 No (One Number)	

77	14.00 Nos (Fourteen Numbers)	Supplying and fixing PVC Ventilating shaft of 110mm dia (having working pressure 4 kg / sq.cm) and 3 m height including cost of cylindrical cowl of best approved quality etc., complete complying with standard specification and as directed by the departmental officers. The PVC ventilating shaft should be got approved by the departmental officers before use on work.	Special		1 No (One Number)	
78	12.00 m2 (Twelve Square Metres)	Supplying and fixing if marble of 0.61 x 1.22m, 18/20mm thick in all floors for urinal partition including for labour charges for fixing and polishing etc., Complete complying with standard specifications and as directed by the departmental officers.	Special		1 m2 (One Square Metre)	
79	2.00 Nos (Two Numbers)	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)	Special		1 No (One Number)	
80	520.00 M (Five Hundred and Twenty Metres)	Supplying, laying and jointing PVC Pipes (having work pressure of 10 kg/sqcm) of approved quality and best variety conforming to BIS of the following dia including cutting threading and fixing of PVC specials using PVC adhesive (but excluding cost of such specials) and fixing into wall with teakwood 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 specification. (The PVC pipes shall be got approved by the Executive Engineer before use on works). Internal Water Supply Arrangements. 20mm dia PVC Pipe	Special		1 M (One Metre)	

81	170.00 M (One Hundred Seventy Metres)	Supplying, laying and jointing PVC Pipes (having work pressure of 10 kg/sqcm) of approved quality and best variety conforming to BIS of the following dia including cutting threading and fixing of PVC specials using PVC adhesive (but excluding cost of such specials) and fixing into wall with teakwood 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 specification. (The PVC pipes shall be got approved by the Executive Engineer before use on works). External Water Supply Arrangements above ground level. 20mm dia PVC Pipe	Special		1 M (One Metre)	
82	20.00 Nos (Twenty Numbers)	Supplying and fixing in position 15mm dia brass 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)	Special		1 No (One Number)	
83	345.00 M (Three Hundred and Forty Five Metres)	Supplying and fixing in position best quality 75 mm dia 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	Special		1 M (One Metre)	

84	425.00 M (Four Hundred and Twenty Five Metres)	Supplying and fixing in position best quality 110 mm dia 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	Special		1 M (One Metre)	
85		Supplying and fixing in position of the following PVC specials best approved quality conforming to ISS and providing leak proof joints with PVC adhesive etc., including fixing to walls with necessary teak wood plugs screws etc., and giving connections to the PVC pipe dismantling the brick masonry RCC floor or roof slab and redoing the disturbed portion to original conditions etc., complete complying with standard specification.(The PVC specials should be got approved by the departmental officer before use on works).	Special			
a	79.00 Nos (Seventy Nine Numbers)	75 mm dia PVC door bend			1 No (One Number)	
b	55.00 Nos (Fifty Five Numbers)	110 mm dia PVC door elbow			1 No (One Number)	
c	10.00 Nos (Ten Numbers)	110 mm PVC Tee with Single Door			1 No (One Number)	

Contractor

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86	27.00 Nos (Twenty Seven Numbers)	Construction of Inspection chamber for clear of size 450x450mm to total height of 900mm (ie)200mm above ground level, 700mm below ground level with a base concrete of 100mm thick 1:5:10, over sand cushion of 100mm thick, the chamber should be constructed in brick masonry 230mm thick CM1:5, with stock bricks of size 8-3/4" x 4-1/4" x 2-1/4". The inner side of chamber plastering cement mortar 1:3,20mm thick the outer chamber of wall to a depth of 600mm plastered in CM 1:5,12mm thick. The chamber top covered with SRF cover slab 100mm thick. The rate is including the cost of materials labour etc, complete.	Special		1 No (One Number)	
87	16000.00 Litres (Sixteen Thousand Litres)	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI: 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet outlet and overflow pipes but without fittings and the base support for tank. 2000 x 8 nos 16000 litres	Special		1 Litre (One Litre)	
88	1.00 No (One Number)	Supply and erection of one number BIS Standard Lift 8 person capacity (544 kg) passenger lift etc., Complete	Special		1 No (One Number)	
89	8.00 Nos (Eight Numbers)	Supply and fixing wheels for movable bridge etc., Complete	Special		1 No (One Number)	
		INTERNAL AND EXTERNAL ELECTRIFICATIONS				
90	56.00 Points (Fifty Six Points)	Wiring with 2x1.5 Sqmm (22/0.3) PVC insulated SC unsheathed copper cable of 1100 V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories and modular switch accessories comprising of three modular GI box (Code No.689008) grille frame and cover plate (Code No.673203) 6 Amps 2/3 pin Multi standard socket (Code No.673043) and 6 Amps SP switch (Code No.673000) all of legrand make complete in flush with wall with continuous earth wire connections by 14 SWG TC Wire and making good of concealed portion with suitable colour	Special		1 Point (One Point)	

91	10.00 Points (Ten Points)	Wiring with 2x4 Sqmm (56/0.3) PVC insulated SC unsheathed copper cable of 1100V grade insuitable PVC rigid pipe concealed in wall and ceiling with PVC accessories and modular switch accessories comprising of three modular GI Box (Code No.689008) grid frame and cover plate (code No.673203), 6 Amps/ 16 Amps socket (Code No.673083) and 16 ASP Switch (Code No.673010) all of legrand make complete in flush with wall with continuous earth wire connection by 12 SWG TC wire and making good of concealed portion with suitable colour for PVC concealed poer plug point.	Special		1 Point (One Point)	
92	4080.00 M (Four Thousand and Eighty Metres)	Supply and run of 2 of 1.5 sq. mm (22/0.3) PVC insulated SC unsheathed copper cabel of 1100v grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection by 14 SWGTC wire and making good of concealed portion with suitable colour	Special		1 M (One Metre)	
93	20.00 M (Twenty Metres)	Supply and run of 2 of 4 Sq mm (56/0.3) PVC insulated sc unsheathed copper cable of 1100 v grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection by 14 SWG TC wire and making good of concealed portion with suitable colour for 16 Amps plugs.	Special		1 M (One Metre)	
94	533.00 M (Five Hundred and Thirty Three Metres)	Supply and run of 2 of 6 Sqmm (84/0.3) PVC insulated SC unsheathed copper cable of 1100V grade insuitable PVC rigid pipe cocealed in wall and ceiling with continuous earth wire connection by 14SWG TC wire and making concealed portion with suitable colour.	Special		1 M (One Metre)	
95	25.00 M (Twenty Five Metres)	Supply and run of 4 of 6 sqmm (84/0.3) PVC insulated sc unsheathed copper cable of 1100 v grade in suitable pvc rigid pipe concealed in wall and ceiling with continuous earth wire connection by 14 SWGTE wire an making good of concealed portion by suitable colour for 32 Amps 4 pole insulator from 63 Amps TPND B.	Special		1 M (One Metre)	
96	56.00 Nos (Fifty Six Numbers)	Supply and fixing 1400mm (56") sweep AC Ceiling fan complete with 300 mm down rod on the existing clamp with Connections	Special		1 No (One Number)	
97	12.00 Nos (Twelve Numbers)	Supply and fixing 300 mm (12") Sweep AC Exhaust fan complete on wall in the existing hole with connections from ceiling rose.	Special		1 No (One Number)	

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98	10.00 Nos (Ten Numbers)	Supply and fixing of 375 mm (15") sweep A.C. exhaust fan complete on the existing hold with PVC lead connections	Special		1 No (One Number)	
99	4.00 Nos (Four Numbers)	Supply and fixing of 450 mm(18") sweep A.C. Exhaust fans complete in the existing hold with PVC leads connection	Special		1 No (One Number)	
100	4.00 Nos (Four Numbers)	Supply and fixing of TNEB meter board suitable for 32 Amps single phase service connection with 32 Amps fuse unit (500v), 32A. Neutral link and earth link of 1" x 1/8" copper flat on suitable TW plank of size 375 mm x 300 mm x 19 mm with supporting TW reepers of 1" thick on either side with painting with bolts and nuts for fixing the TW plank on wall with earth connection and interconnection with 7/20 pvc insulated copper wire from EB meter to fuse unit.	Special		1 No (One Number)	
101	4.00 Nos (Four Numbers)	Supply and fixing 32 Amps aerial fuse unit (500v) on suitable 100 mm x 100 mm T.W. concealed box with hylem sheet on the tapping pole with necessary clamps	Special		1 No (One Number)	
102	3.00 Nos (Three Numbers)	Supply and fixing of TNEB Meter Board for 3phase 100Amps service connection made up of suitable angle iron frame work of size 24ft X1 1/2ft using angle of size 1 1/2" x 1 1/2" x 1/4" duly painted and rigidly fixed on wall and covered with 1/2" thick hylem sheet of size 2ft x 1 1/2ft with necessary bolts and nuts for fastening and supply and fixing of 3nos 100Amps fuse units (500v), 1no neutral link, copper earth flort of size 1"x1/4" with interconnection of EB meter, fuse units by 7/16 pvc insulated sc copper cable with earth connection of all metal parts and painting complete.	Special		1 No (One Number)	
103	21.00 Nos (Twenty One Numbers)	Supply and fixing of 20 Amps DP Metal plug and socket in steel sheet enclosure of legrand make on the wall at a height of 2 Ft. below the ceiling and 32 Amps DP MCB in sheet steel enclosure of legrand make at height of 5.75 Ft. from Floor complete in flush with wall with connections and earth connection.	Special		1 No (One Number)	

104	4.00 Nos (Four Numbers)	Supply and fixing 32 Amps DP switch (500 V) with metal clad with fuse and neutral (side handle) on suitable T.W. board with earth connection only	Special		1 No (One Number)	
105	17.00 Nos (Seventeen Numbers)	Supply and fixing of brass cable gland suitable for 2core 6sqmm PVC armoured LTUG cable with connections and earth connection.	Special		1 No (One Number)	
106	2.00 Nos (Two Numbers)	Supply and fixing of brass cable gland suitable for 4 core 10 sq. mm. PVC armoured LTUG Alu. Cable with earth connection at 32 Amps TPN MCB DB for wall lighting circuits	Special		1 No (One Number)	
107	8.00 Nos (Eight Numbers)	Supply and fixing brass cable gland for 3 ½ core 25 Sqmm PVC armoured LTUG Alu. Cable with connections and Earth connections	Special		1 No (One Number)	
108	10.00 Nos (Ten Numbers)	Supply and fixing brass cable gland for 3 ½ core 50 sq mm pvc armoured LTUG Alu. Cable with earth connection.	Special		1 No (One Number)	
109	36.00 M (Thirty Six Metres)	Supply and clamping of 2core 6sqmm PVC armoured LTUG Alu.cable on wall with M.S.clamps/saddles	Special		1 M (One Metre)	
110	220.00 M (Two Hundred and Twenty Metres)	supply and clamping of 4 core 6 sq. mm PVC armoured LTUG. Alu. Cable on post/wall with MS Clamps/ saddles	Special		1 M (One Metre)	
111	5.00 M (Five Metres)	Supply and Clamping of 4 core 10 sq. mm. PVC armoured LTUG Alu. Cable on wall with MS clamps/ saddles from 100 Amps TPN main DB to 32 Amps TPN DB	Special		1 M (One Metre)	
112	20.00 M (Twenty Metres)	Supply and clamping of 3 ½of core 25 Sqmm PVC armoured LTUG. Alu. Cable on wall with M.S. Clamps/Saddles.	Special		1 M (One Metre)	

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113	30.00 M (Thirty Metres)	Supply and clamping of 3 ½ core 50 sq mm pvc armoured LTUG Alu. Cable on post / on wall with suitable M.S. clamps	Special		1 M (One Metre)	
114	42.00 Nos (Forty Two Numbers)	Earthing as per PWD standards with an earth electrode of 2 metres of GI pipe of class 'B' not less than 32 mm dia complete with salt and charcoal dust with necessary Masonry work	Special		1 No (One Number)	
115	8.00 Nos (Eight Numbers)	Supply and providing cable end termination of 3½ core 25 Sqmm PVC armoured LTUG Alu. Cable with necessary aluminium cable sockets by crimping with electrical connection complete	Special		1 No (One Number)	
116	10.00 Nos (Ten Numbers)	Supply and providing cable end termination of 3 ½ core 50 sq mm pvc armoured LTUG Alu. Cable with necessary aluminium cable sockets by crimping with connection	Special		1 No (One Number)	
117	10.00 Nos (Ten Numbers)	Supply and fixing Four Modular grid switch of Legrand make comprising GI box (code No. 689009) Grid Plate (code no. 673204) 4 Nos. 6 Amps SP Switch (Code No.673000) and with coverplate complete in flush with wall with connections and earth connections	Special		1 No (One Number)	
118	17.00 Nos (Seventeen Numbers)	Supply and fixing two modular grid switch of Legrand make comprising of GI box (code No.689007) grid frame and cover plate (code No. 673202) and 2 Nos. 6 Amps SP switch (code No.673000) complete in flush with wall with connections and earth connections	Special		1 No (One Number)	
119	7.00 Nos (Seven Numbers)	Supply and fixing six modular grid switch of Legrand make comprising of GI box (code no.689010), grid frame and cover plate (code no. 673206) and 6 nos 6 amps SP switch (code no. 673000) complete in flush with wall with connections and earth connections	Special		1 No (One Number)	
120	54.00 Nos (Fifty Four Numbers)	Supply and fixing 450 mm (18") sweep 'HAVELLS MAKE' AC Airculator wall fan on wall with necessary bolts burried on wall with fixing nuts complete with connections with connectors	Special		1 No (One Number)	

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121	1.00 No (One Number)	Supply and fixing of horizontal type 6 way SPN MCB sheet steel enclosure Distribution Board with metal Door with 1 No 16 Amps - 32 Amps DPMCB isolator as incoming and 4 Nos 6 Amps -32 Amps SP MSB s as outgoing - all of Legrand make eomplete in flush with coneecctions and earth connections	Special		1 No (One Number)	
122	1.00 No (One Number)	Supply and fixing 6A/16 Amps 3 pin socket (code No 673083) and 16 Amps 1 way switch (code No 673010) with 3 modular GI box (code No.689008) and grid frame and cover plate (code No. 673203) all of Legrand make complete in flush with wall with connections and earth connections at Elevated Path for detaching Movable Bridge supply as and when required	Special		1 No (One Number)	
123	24.00 Nos (Twenty Four Numbers)	Supply and fixing 1400mm (56") Sweep A.C. Ceiling fan complete with 1.5 Mtres down rod on the existing clamp with connections.	Special		1 No (One Number)	
124	8.00 Nos (Eight Numbers)	Supply and fixing 1400mm (56") Sweep A.C. Ceiling fan complete with 1 metre down rod on the existing clam with connections.	Special		1 No (One Number)	
125	4.00 Nos (Four Numbers)	Supply and fixing 2 Nos. 6A universal multi standard sockets (Code No.673043) and 1 No 16 Amps sp switch (Code No.673010) on 6 Modular GI fox (Code 689010) grid frame and enverplate (Code No.673206) and 1 No USB charger 9Code No.572071) complet in fush with wall with connections and earth connections at each corner of the waiting hall.	Special		1 No (One Number)	
126	2.00 Nos (Two Numbers)	Supply and fixing 2 Nos. of 6Amps 2/3 Pin Socket (Code No.676073) on 4 Modular GI Box (Code No.689009) and frid frame and cover plate (Code No.773204) all of legrand make complete in flush with ceiling with connections and earth connections for display boards.	Special		1 No (One Number)	
127	5.00 Nos (Five Numbers)	Supply and fixing 1 No of 6 Amps 2/3 Socket (Code No.673043) on 2 modular GI Box (Code No.689007) and grid frame and cover plate (Code No.673202) all of legrant make complet in flush with ceiling with connections and earth connections for display boards.	Special		1 No (One Number)	

Contractor

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128	3.00 Nos (Three Numbers)	Supply and fixing horizontal type 12 way SPN MCB sheet steel enclosure distribution board with Acrylic door with 1 No 32 Amps DPMCB isolator as incoming and 10 Nos. 6 Amps - 32 Amps SP MCB all of legrand make completing in flush with wall with connection and earth connection only for lighting control on east & west wall of waiting hall	Special		1 No (One Number)	
129	1.00 No (One Number)	Supply and fixing 63 Amps VTPN MCB 8 way sheet steel enclosure distribution board with Acrylic door complete with 1 No 63 Amps 4 Pole MCB isolator as incoming and 10 Nos 32 Amps DP MCBS, 1 No,32 Amps TP MCB and 1 No. 6 Amps - 32 A SP MCB as outgoing all of Legrand make completing in flush with wall with connections and earth connection and east side gable wall of waiting hall	Special		1 No (One Number)	
130	1.00 No (One Number)	Supply and fixing 63 Amps VTPN MCB 8 Way sheet steel enclosure distribution board with Acrylic door complete with 1 No 63 Amps 4 Pole MCB isolator as incoming and 9 Nos 32 Amps DP MCBS, 2 No,32 Amps TP MCB and 1 No. 6 Amps - 32 A SP MCB as outgoing all of Legrand make completing in flush with wall with connections and earth connection on west side gable wall of waiting hall	Special		1 No (One Number)	
131	92.00 Points (Ninety Two Points)	Wiring with 2 x 1.5 Sqmm (22/0.3)PVC insulated SC unsheathed copper cable of 1100 V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories and modular type switch accessories comprising of one modular grid switch 6 A SP (Code No.673000) GI Box (Code No.689007) and grid frame & cover plate (Code No.673201) all of legrand make complete in flush with wall and making good of the concealed portion with suitable colour for PVC concealed light point (6 Points per coil)	Special		1 Point (One Point)	
132	30.00 Nos (Thirty Numbers)	Supply and fixing 225mm (9") sweep A.C. Exhaust fan complete on wall in the existing hole with connection from ceiling rose.	Special		1 No (One Number)	
133	47.00 Nos (Forty Seven Numbers)	Supply and fixing 1400mm (56") Sweep A.C. Ceiling fan complete with 300 W stepped electronic regulator of Legrand make of code No.673029 and accessories with 300mm down rod on existing clamp with connection.	Special		1 No (One Number)	

134	16.00 Nos (Sixteen Numbers)	Supply and fixing horizontal type 8 way SPN MCB sheet steel enclosure distribution board with Acrylic door with 1 No 32 Amps DPMCB isolator as incoming and 6 Nos. 6 Amps - 32 Amps SP MCB all of legrand make completing in flush with wall with connection and earth connection	Special		1 No (One Number)	
135	1.00 No (One Number)	Supply and fixing 63 Amps VTPN MCB 8 Way sheet steel enclosure distribution board with Acrylic door complete with 1 No 63 Amps 4 Pole MCB isolator as incoming and 1 No 32 Amps TP MCBS, 6 No,32 Amps DP MCB and 9 No. 6 Amps - 32 Amps SP MCB as outgoing and spares all of Legrand make completing in flush with wall with connections and earth connection for the entire control of North wing.	Special		1 No (One Number)	
136	1.00 No (One Number)	Supply and fixing 63 Amps VTPN MCB 8 Way sheet steel enclosure distribution board with Acrylic door complete with 1 No 63 Amps 4 Pole MCB isolator as incoming and 1 No 32 Amps TP MCBS, 5 No,32 Amps DP MCB and 11 No. 6 Amps - 32 Amps SP MCB as outgoing and spares all of Legrand make completing in flush with wall with connections and earth connection for the entire control of South wing.	Special		1 No (One Number)	
137	350.00 M (Three Hundred and Fifty Metres)	Supply and laying of 3 ½ core 25 Sqmm PVC armoured LTUG Alu cable in the existing trench from main Dbat Electrical power room to 4 Nos. 63 ATPNDBs at North block South block, East side and West side from 100 A DB to North Block DB. 105 Mtrs From 100A DB to South Block DB . 60 Mtrs. From 100 A DB to East Side DB. 60 Mtrs From 100 A DB to West side DB. 125 Mtrs	Special		1 M (One Metre)	
138	58.00 Points (Fifty Eight Points)	Wiring with 2 x 1.5 sq mm (22 x 0.3) PVC insulated sc unsheathed copper cable of 1100V grade in suitable pvc rigid pipe concealed in wall and ceiling with pvc accessories and modular type switch accessories comprising of one modular GI box (Code.No 689007) , grid frame & cover plate (Code.No 673201) and 6A SP switch (Code.No 673000) all of LEGRAND MAKE complete in flush with wall and making good of the concealed portion with suitable colour.(5 points per coil)	Special		1 Point (One Point)	

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139	7.00 Nos (Seven Numbers)	Supply and fixing six modular grid switch of LEGRAND MAKE Comprising of G.I. box(code No 689007), grid frame and cover plate(Code No:673201) and 6Amps SP Switch(Code NO 673000) Complete in flush with wall with connections and earth connections for controlling 4Nos. external lights	Special		1 No (One Number)	
140	35.00 Nos (Thirty Five Numbers)	Supply and fixing W.T.Bulk head fitting with guard(Philips/Bajaj/Crompton/K.lite) suitable for and with 9w.LED pin type bulb of pharox NTL Lemnis make of code No:AP0009C000 on wall with necessary connections	Special		1 No (One Number)	
141	185.00 M (One Hundred and Eighty Five Metres)	Supply and laying of 2 core 6 Sqmm PVC armoured LTUG Alu cable in the existing trench	Special		1 M (One Metre)	
142	2.00 Nos (Two Numbers)	Supply and fixing 400mm(16") sweep wall mounting fan of HAVELLS make PLATINA model wall fan complete on wall with suitable fixing arrangements and with connections with connectors.	Special		1 No (One Number)	
143	1.00 No (One Number)	Supply and fixing 100 Amps VTPN MCB 12 way sheet steel enclosure distribution board with Acrylic door complete with 1no 100 amps 4pole MCB isolator as incoming and 5 nos.63Amps, 4pole MCBs, 1no 32Amps 4pole MCB, 2nos 32Amps TPMCBS, 3Nos 32Amps DPMCBS as outgoing and spares all of LEGRAND MAKE complete on wall with connections and earth connections for the total main control of the complex	Special		1 No (One Number)	
144	2.00 Nos (Two Numbers)	Supply and fixing 100Amps 4pole change over switch on suitable angle iron frame work on wall with earth connection and painting the angle.(L&T, Havells, Bosma, Crompton/GEM make should be used)	Special		1 No (One Number)	
145	1.00 No (One Number)	Supply and fixing 3 phase 100 Amps aerial fuse unit(500V) with 3 nos 100Amps fuse units on suitable M.S.sheet with 6mm thick hylem sheet on suitable angle iron frame work on the tapping pole with necessary M.S.clamps and painting	Special		1 No (One Number)	

146	3.00 Nos (Three Numbers)	Supply and erection of 65mm dia (2 ½") GI pipe of 6 metres long on ground with concreting & masonry work with 30 cm (1 ft)M.S.angle cross arm on the top of the GI pipe with necessary welding to the cross arm and necessary wall clamps for the GI pipe to fix it on wall along with M.S.clamps /saddles complete with painting for supporting the service connection cable.	Special		1 No (One Number)	
147	80.00 Nos (Eighty Numbers)	Supply and stringing of 3 ½ core 50 sq mm PVC arwoured LTUG cable of Alu. Conductor along with suitable pvc insulated steel bearer wire of not less than 2 runs of 14 SWG wire complete with binding at suitable and equal intervals from EB tapping post to the supporting GI pipe for service connection.	Special		1 No (One Number)	
148	115.00 M (One Hundred and Fifteen Metres)	Supply and stringing of 2 core 6 sqmm pvc armoured LTUG cable with Alu. conductor along with suitable pvc insulated steel bearer wire of not less than 2 runs of 14 SWG wire complete with binding at suitable and equal intervals from EB tapping pole to the building with necessary M.S.angle support on the building for service connection.	Special		1 M (One Metre)	
149	2.00 Points (Two Points)	Wiring with 3 x 1.5 sq mm (22/0.3) PVC insulated Sc unsheathed copper cable of 1100 v.grade in suitable pvc rigid pipe concealed in wall and ceiling with pvc accessories and modular switch accessories comprising of one modular GI box-2 nos (code 689007) grid frame & cover plate - 2nos (code 673201) and 6 Amps 2 way SP switches -2nos (code 673001) all of LEGRAND MAKE complete in flush with wall and making good of the concealed portion with suitable colour for concealed staircase light point.	Special		1 Point (One Point)	
150	33.00 Points (Thirty Three Points)	Wiring with 2 x 1.5 sq mm (22/0.3) pvc insulated Sc unsheathed copper cable of 1100 v.grade in suitable pvc rigid pipe concealed in wall and ceiling with pvc accessories and modular switch accessories comprising of one modular GI box(code 689007) grid frame & cover plate (code 673201) and 6 Amps SP switch (code 673000) all of LEGRAND MAKE complete in flush with wall and making good of concealed portion with suitable colour for pvc concealed light / fan points (4 points per coil)	Special		1 Point (One Point)	
151	4.00 Nos (Four Numbers)	Supply and fixing 375 mm(15") sweep A.C- exhaust fan(Heavy duty)complete on wall in the existing hole with connections from ceiling rose.	Special		1 No (One Number)	

152	1.00 No (One Number)	Supply and fixing 32 Amps 4 pole change over switch on suitable angle iron frame work with M.S. cable entry boxes with earth connection & connections complete.	Special		1 No (One Number)	
153	77.00 Nos (Seventy Seven Numbers)	Supply and fixing of 70 Watt Orient Electric Make Pinnacle - 70 W IP 65 fitting on ceiling with connections with connectors	Special		1 No (One Number)	
154	190.00 Nos (One Hundred and Ninety Numbers)	Supply and fixing of 20 Watt Keselec Schreder Make MY1 LED /20W-CW/IP67/IK 10 fitting on ceiling with connections with connectors	Special		1 No (One Number)	
155	151.00 Nos (One Hundred and Fifty One Numbers)	Supplying and Fixing 4 Watts LED Updown light Panasonic Cat.Ref. AUDO10043 at a suitable height on outer wall of the building complete with connections by suitable 32 Amps heavy duty connectors and PVC copper leads.	Special		1 No (One Number)	
156	1.00 No (One Number)	Supply and fixing of 100 Amps 4 pole change over switch on suitable angle iron frame work on wall with connections and earth,connections with painting the angle (L&T/Havells/Crompton/Gem/Bosma make should be used	Special		1 No (One Number)	
157	2800.00 M (Two Thousand and Eight Hundred Metres)	Supply and laying of 4 core 6 sq. mm. PVC armoured LTUG Alu. Cable in the existing trench	Special		1 M (One Metre)	
158	60.00 M (Sixty Metres)	Supply and laying of 4 core 6 sq. mm. PVC armoured LTUG Alu. Cable in the existing PVC pipe	Special		1 M (One Metre)	
159	60.00 M (Sixty Metres)	Supply and laying of 100 mm PVC pipe in ground at 0.75 mtr depth including digging trench and refiling for making good	Special		1 M (One Metre)	

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160	340.00 M (Three Hundred and Forty Metres)	Supply and run of 2 of 4 core 6 sq. mm PVC armoured LTUG Alu. Cable in 40 mm PVC pipe duly clamped on wall with painting the pipe.	Special		1 M (One Metre)	
161	25.00 M (Twenty Five Metres)	Supply and run of 1 of 4 core 6 sq. mm. PVC armoured LTUG. Alu. Cable in 25 mm PVC pipe duly clamped on wall with painting pipe	Special		1 M (One Metre)	
162	1.00 No (One Number)	Supply and fixing horizontal type ETPN 6 way 32 Amps TPN MCB Distribution Board of Sheet steel enclosure with Acrylic door with 1 no. 32 Amps 4 pole isolator as incoming and 18 Nos. 6 Amps - 32 Amps SPMCBs as outgoing all of LEGRAND make complete on wall with connections and earth connections	Special		1 No (One Number)	
163	3.00 Points (Three Points)	Wiring with 3 x 1.5 sq. mm. (22/0.3) PVC Insulated SC unsheathed copper conductor of 1100 v grade in suitable PVC rigid pipe concealed on wall and ceiling with PVC accessories and Modular Switch accessories comprising 2 Nos. of One Modular GI box (code No.689007), Grid frame and cover plate (code No. 673201) and 2 Nos. 6 Amps 2 way SP switch (code NO. 673001) all of LEGRAND Make complete in flush with wall and making good of concealed portion with suitable colour for PVC concealed stair case point with earth connection to the GI box	Special		1 Point (One Point)	
164	55.00 Nos (Fifty Five Numbers)	Supply and fixing of 1400 mm (56") sweep A.C. ceiling fan completed with 600 mm down rod on the existing clamp with PVC lead connections	Special		1 No (One Number)	
165	7.00 Nos (Seven Numbers)	Supply and fixing of three modular grid switch of LEGRAND make comprising of GI. Box (code No.689008), grid frame and cover plat (code No.673203) and 6 Amps multistandard 2/3 pin socket (Code No.673043) and 6 SP switch (code No.673000) completee in flush with wall with connections and earth connections	Special		1 No (One Number)	

166	10.00 Nos (Ten Numbers)	Supply and fixing of 6 modular grid switch of LEGRAND make comprising of GI box (Code No.689010), grid frame and coverplate (code no 673206), 2 Nos 6 Amps 2/3 pin Multistandard socket (code No.673043), 16 Amps sp switch (Code No.673010) and USB charger (code No.572071) complete in flush with wall with connections and earth connections	Special		1 No (One Number)	
167	2.00 Nos (Two Numbers)	Supply and fixing of 3 modular grid switch of LEGRAND Make comprising of GI box (code No.689008), grid frame and cover plat (code No.673203), 6 Amps /16 Amps socket (code No.673083) complete in flush with wall with connections and earth connection	Special		1 No (One Number)	
168	1.00 No (One Number)	Supply and fixing 32 Amps 4 pole MCB isolator on a sheet steel enclosure suitable for 4 pole isolator all of LEGRAND make complete in flush with wall with earth connections for dumb waiter.	Special		1 No (One Number)	
169	3.00 Nos (Three Numbers)	Supply and fixing of horizontal type 12 way SPN sheet steel enclosure Distribution Board with Acrylic door with No.32 Amps DPMC Bisolator as incoming and 10 nos 6 Amps-32 Amps SPMCBs all LEGRAND make complete in flush with wall with connections and earth connections	Special		1 No (One Number)	
170	1.00 No (One Number)	Supply and fixing of 63 Amps VTPN 12 way MCB sheet steel enclosure distribution board with Acrylic door complete with No.63 Amps 4 pole MCB isolator as incoming and 23 No.6 Amps-32 Amps SP MCBs, 3 nos 6 Amps-32 Amps DP MCBs No.6 Amps-32 Amps 4 pole MCB as outgoing & spanes all of LEGRAND make complete in flush with wall with connections and earth connections	Special		1 No (One Number)	
171	40.00 M (Forty Metres)	Supply and run of 4 of 7/16 PVC insulated SC unsheathed copper cable of 1100 v grade in suitable PVC rigid pipe concealed in ceiling and wall with continuous earth connection by 14 SWGTC wire and making good of concealed porotion by suitable colour from 100 Amps main TPN DB (under stair case) to the 63 Amps TPN DB in the GF Hall.	Special		1 M (One Metre)	

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172	1.00 No (One Number)	Supply and fixing of 63 Amps VTPN 12 way MCB sheet steel enclosure distribution board with Acrylic door complete with No.63 Amps 4 pole MCB isolator as incoming and 29 No.6 Amps-32 Amps SP MCBs, 2 nos 6 Amps-32 Amps DP MCBs No.6 Amps-32 Amps DPMCBs and 1 No.6A-32 Amps TP MCB as outgoing and spares all of LEGRAND Make complete in flush with wall with connection and earth connection	Special		1 No (One Number)	
173	25.00 Points (Twenty Five Points)	wiring with 2x1.5 sqmm (22/0.3) PVC insulated SC unsheathed copper cable of 1100 V grade in suitable PVC rigid pipe on traces and concealed on wall with PVC accessories and Modular grid suitable accessories comprising of one Modular GI box (code No.689007) grid frame & cover plate (code No.673000) all of LEGRAND make complete in flush with wall and making good of the concealed portion with suitable colour (5 points per coil)	Special		1 Point (One Point)	
174	4.00 Points (Four Points)	Wiring with 2x1.5 sqmm (22/0.3) PVC insulated SC unsheathed copper cable of 1100 V grade in suitable rigid pipe concealed on wall with PVC accessories and Modular grid switch accessories comprising of 3 Modular GI box (code No.689008), grid frame and cover plate (Code No.673203), 6 Amps 2/3 pin Multi standard socket (code no673000) all of LEGRAND Make complete in flush with wall with continuous earth wire connection by 14 SWG TC wire and making good of concealed portion with suitable colour for concealed plug point	Special		1 Point (One Point)	
175	103.00 Nos (One Hundred and Three Numbers)	Supply and fixing of 20 Watt Panasonic Make /ADL04R206/ Surface Mounted LED Downlighter fitting on ceiling with connections with connectors	Special		1 No (One Number)	
176	88.00 Nos (Eighty Eight Numbers)	Supply and fixing of 15 Watt Panasonic Make /ADL04R156/ Recessed Mounted LED Downlighter fitting on ceiling with connections with connectors	Special		1 No (One Number)	
177	30.00 Nos (Thirty Numbers)	Supply and fixing of 20 Watt Panasonic Make /ABT019206/ Surface Mounted LED Decorative Batten Type fitting on ceiling with connections with connectors	Special		1 No (One Number)	

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No. of. Corrections
No.of. Over Writing

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178	5.00 Nos (Five Numbers)	Supply and fixing of 40W. LED well glass pendant light of Pharox NTL Lemnis make of code NoWWG 040 000 on ceiling/roof truss with required suspension arrangement with connecions (1 No to be constrollod by point and 4 Nos by run of mains in the roof truss)	Special		1 No (One Number)	
179	3.00 Nos (Three Numbers)	Supply and fixing of 1200 mm (48") sweep AC ceiling fan complete with 300 W stepped electronic regulator of LEGRAND Make code No.673029 and accessories with 300 mm down rod on existing clamp with connections	Special		1 No (One Number)	
180	35.00 M (Thirty Five Metres)	Supply and run of 2 of 1.5 sq.mm (22/0.3) PVC insulated SC unsheathed copper cable of work grade in suitable PVC rigid pipe on wall and roof truss with necessary M.S. clamps for 4 Nos 40W pendant LED lightson the truss	Special		1 M (One Metre)	
181	2.00 Nos (Two Numbers)	Supply and fixing of 100 Amps VTPN MCB 8 way sheet steel distribution board with Acrylic door complete with 1 No.100 Amps 4 pole MCB isolator as incoming and 3 Nos. 63 Amps 4 pole MCBS 1 No. 32 Amps TP MCB3 Nos 32 Amps DP MCBS and 3 No.6Amps-32 Amps SP MCBS as outoing and spares all of LEGRAND make complete on wall with connections and earth connections for the Main control	Special		1 No (One Number)	
182	65.00 M (Sixty Five Metres)	Supply and runs of 2 of 10 sq.mm (84/0.3) PVC insulated sc unsheathed copper cable of 1100 V grade insuitalbe PVC rigid pipe concealed in wall and ceiling with continous earth wire connection by 14 SWG TC wire and making good of concealed portion by suitable colour	Special		1 M (One Metre)	
183	5.00 Nos (Five Numbers)	Supply and fixing of 10 Watt Panasonic Make /ABT019106/ Surface Mounted LED Decorative Batten Type fitting on ceiling with connections with connectors	Special		1 No (One Number)	
184	40.00 M (Forty Metres)	Suppy and strinling of 3 1/2 core 50 sqmm PVC armoured LTUG/Cable along with suitable PVC insulated steel bearer wire of not less than 2 runs of 14 SWG wire complete with binding wire of not less than 2 runs of 14SWG wire complete with binding at suitable and equal intervals frm EB tappig pole to the supporting GI pipe inelding the middle angle Support if needed for the service connection	Special		1 M (One Metre)	

Contractor

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185	45.00 Nos (Forty Five Numbers)	Supply and erection of 6 metres high decorative chats worth GI tubular pole GI/PU painted complete with a M.S. base plate of size 300mmx300 mmx16 mm with necessary welding at the bottom with concreting and construction of Masoneary pedstal with cascade bracket GI/PU painted for albany 'T' washed and premiered and with base plate. The Embellishments are cast in iron and fitted to the column by grubs screw fitting and to be sealed to the column. The column shall also be provided with a flush door at the bottom at a suitable height with proper strengthening to the cut-out of the door opening. A PVC junction/ looping box with 32 Amps heavy duty connector and a 6 Amps SP MCB of LEGRAND make complete on 6 mm thick hylem sheet with internal wiring leads connection bt 1 mm ² PVC insulated SC unsheathed copper cable from the MCB to the lght fitting and supply and fixing a I.P.66 Decorative LED luminaine of 50 watts cat. Ref.Keselec schreder Albany LED/NW/50 W Asym made up of spun aluminium body and the IP 66 sealsafe LED compartment with lensoflex 2 LED technology and a co-extruded thermoformed polycarbonate protector stabilised aganist UV rays. Each LED should be associated with s specific lens that generate a complete photometric distribution of the luminaire should be having a replacement guarantee for a period of 5 years against any visible ingress of dust and moisture inside the optical compartment, caused due to manufacturing defect. All the components used in the product should be robust and recyclable materials. The luminaire should be provided with a 10 KV surge protection in common mode for better safety of the electronic components. The driver should be of constant flux systems for better energy savings. Access to the control gear compartment can be gained through without any tools by loosening three screws. The control gear should be placed on a separate control gear plate for easy maintenance. Impact resistance for polycarbonate should be 1K08 and the aerodynamic resistance should be 0.098m2. All the wires sused inside luminaire should be of silicon and all the hardwares should be of stainless steel. The complete column with cascade bracket should have two coats of Zinc primer applied above that it should be treated with two coats of poly urethane paint.	Special		1 No (One Number)	
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186	43.00 Nos (Forty Three Numbers)	Supply and erection of 3 meters high decorative chatsworth GI tubular pole GI/PU Painted complete with a M. S . Base plate of size 300 mm X 300 mm X 16 mm duly welded at the bottom with concreting and construction of masonry pedestal, 'T' washed and primed and with based plate with provision of 'U' bracket made up of GI for Albany. The Emblellishment are cast in iron and fitted to the column by grubs screw fitting and to be sealed to the column. The column shall be provided with a flush door at the bottom at the suitable height with proper strengthening to the cutout of the door opening. A PVC Junction box / looping box iwth 32 AMS heavy duty connectors and a 6 AMPS SP MCB of LEGRAND make on 6 mm thick hylem sheet complete by 1 mm ² PVC insulated SC unsheathed copper cable from the MCB to the light fitting and supply and fixing 1 P 66 Decorative LED luminaire of 30 watts cat. Ref. Keselec shreder Albany LED/NW/30W/SYM 1 P 66 made up of span aluminium body and the 1P66 sealsafe 2 LED technology and a co-extruded thermoformed poly carbonate protector stabilized against UV rays. Each LED should be associated with a specific lense that generate a complete photometric distribution of the luminaire. The luminaire should have a 1P66 optical compartment sealed with the protector. The luminaire should be having a replacement guarantee for a period of 5 years against any visible ingress of dust and moisture inside the optical compartment, caused due to manufacturing defect. All the components used in the product should be provided with a 10 KV surge protection in common mode for better safety of the electronic components The driver should be of constant flux systems for better energy savings. Access to the control gear compartment can be gained through without any tools by loosening three screws. The control gear should be placed on a separate control gear plate for easy maintenance. Impact resistance for the polycarbonate should be 1 K 08 and the aerodynamic resistance should be 0.098m ² . All the wires used inside luminaire should be of silicon and all the hardwares should be of stainless steel. The complete column should have two coats of Zine primer applied above that it should be treated with two coats of polyurethane paint.	Special		1 No (One Number)	
187	25.00 M (Twenty Five Metres)	Supply and clamping of 4 core 6 sq. mm PVC armoured LIUG. Alu. Cable on wall with 25 mm PVC pipe with M S Clamps/ saddles	Special		1 M (One Metre)	
		TOTAL				

Contractor

No. of. Corrections
No.of. Over Writting

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