

CLIENT : INDIAN BANK RURAL ZONAL OFFICE VELLORE.

PROJECT : PROPOSED CONSTRUCTION OF INDIAN BANK'S RURAL SELF EMPLOYMENT TRAINING INSTITUTE AT TIRUPATHUR TAMILNADU.

SUBJECT : FINANCIAL BID

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
PART - A - MAIN BUILDING - CIVIL WORK					
Preparatory Works					
1	Scrub jungle including uprooting of trunk vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared. (SOR W-0003) Pg.no:21	688.00	Sqm		
Earth Work					
2	Earth work in excavation of foundation trenches for boundary wall, in all sorts of soil (including mixed soil but excluding laterite or sand stone) including removing. Spreading or stacking the spoils within a lead of 75m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water etc. as required complete.	664.00	Cum		
3	Providing Pre-constructional anti- termite treatment and creating a chemical barrier to the building by injecting chemical emulsion of required concentrations raft slab and beam, under Cellular raft slab, around the footings, column pits, trenches, pits, wall trenches, back fill, plinth filling, junction of wall and floor, side walls of foundation, external perimeter of building, surrounding of pipes expansion joints, etc. as per IS specification and as per the instructions of chemical manufacturer and all as directed. The treatment shall be carried out strictly in accordance with the technical specification and conforming to IS 6313 (PART-2) or equivalent BS specification.with ten year guarantee certificates				
	1. The chemical to be used as insecticides for the treatment shall be Termite oil 20% (or) 50% EC and the application shall be dilute one part of chemical 20% or 50% EC with 19 or 49 parts of water to get 1% emulsion and strictly in accordance with the manufacturer's specification.(or)2.The chemical to be used as insecticides for the treatment shall be IMIDACLOPRID 30.5% S C and the application shall be applied at 0.075% active ingredients concentration i.e. 2.1ml formulated product diluted 1 lit of water and strictly in accordance with the manufacturer's specification. PAR Pg.no:05	688.00	Sqm		
4	Supplying and filling in foundations and basement with filling M-sand in layers not exceeding 15 cm. thick, well watered ,rammed and consolidated etc. complete complying with standard specifications.	101.00	Cum		
5	Plain Cement Concrete 1 : 4 :8 (one part of cement, four parts of sand and eight parts of hard broken stone) using 40 mm gauge hand broken hard broken granite stone jelly complying with standard specifications in foundations and basement.	97.00	Cum		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
6	Refilling the approved good quality earth in plinths, area development etc. wherever specified in layers is not exceeding 200 mm thick, with available earth at site.(SOR W-0075) Pg.no:23	512.00	Cum		
7	Supplying and Filling Gravel :Supplying and filling in 'foundation and basement with filling sand in layers of not more than 15cm.thick well rammed watered and compacted -1m3 etc.,complete complying with standard specification.	215.00	Cum		
8	Supplying and erecting Centering and Shuttering for soffits including necessary supports and strutting up to 3 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 about 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 specification.(Payment for centering shall be given after the concrete is laid).				
a	Footing, Plinth Beam, etc.	491.00	Sqm		
b	Plain surfaces such as roof slab, floor slab, beams, lintels, loft, sill slab, staircase waist, portico slab and other similar works.	1975.00	Sqm		
c	Column Below basement Level	196.00	Sqm		
d	Square and rectangular columns and small quantities such as sunshades, parapet cum drops, window boxing, fin projections and other similar works.	378.00	Sqm		
9	Design Mix Concrete				
	Providing and laying in position, Standardised Concrete Mix M-25 Grade in accordance with IS:456-2000, using 20mm and down grade hard broken granite stone jelly for all RCC Items of works with minimum cement content of 350kg/m3 and maximum water cement ratio of 0.50, including admixture (Plasticiser / super plasticiser) in recommended proportions as per IS:9130 to accelerate, rated setting of concrete, improve workability without impairing strength and durability with about (5.0 cu.m) 7730kg. of 20mm machine crushed stone jelly and with about (3.3cum) 5156 kg. of 10-12mm machine crused stone jelly and with about (4.79cum) 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 the RCC Floor / roof slabs wherever necessary without claiming extra, etc., Complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards.				
a	Foundation & Basement	119.00	Cum		
b	Ground Floor	163.00	Cum		
c	First Floor	110.00	Cum		
d	Terrace Floor	11.00	Cum		
	Steel - Fe 500 D/Fe 550D				

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
10	Supply, fabrication and placing of reinforcement steel of high yield strength ribbed bars of various diameters and grade conforming to IS 1786 for reinforced concrete work. The work includes recoiling, straightening, cutting, bending, fabricating, and placing in position, at all levels including lead and lift, according to drawings, specifications etc. complete and supply & use of 18G black annealed binding wire double fold to tie the bars in position and providing precast cement/ PVC cover blocks for main reinforcement to ensure specified cover and complete., including all labor charges etc	57.00	MT		
11	Brick work in following Cement Mortar using best quality First class table moulded chamber burnt bricks of size 9" x 4-3/8" x 2-3/4" for foundation and basement including curing, etc., complete complying with standard specification.				
a	Up to Foundation & Basement level.	40.00	Cum		
b	Ground floor	159.00	Cum		
c	First Floor	109.00	Cum		
d	Terrace Floor	47.00	Cum		
12	Brick partition walls of 11.50cm thickness using best quality First class table moulded chamber burnt bricks of size 9" x 4-3/8" x 2-3/4" in Cement Mortar 1:3 (One Cement and Three crushed stone Sand) using hoop iron reinforcement if found necessary including curing etc. (Hoop iron reinforcement will be measured and paid for separately)and paid for separately).				
a	Ground Floor	67.00	Sqm		
b	First Floor	138.00	Sqm		
13	Providing and applying 10 mm thick Cement plaster in Cement mortar 1:3 (One part of Cement and Three parts of Sand), to finishing the exposed surfaces of R.C.C. items of works such as Roof (or) floor slabs , beams, and Sun shades etc.to correct plane and level including scaffolding, hacking of surface, chiselling the undulated surface wherever necessary and curing etc., all materials and labour complete in all respects including all lead, lift and descent and as directed by the Enineer in charge. This rate includes the cost of providing Cement Mortar beadings for sun shades, steps,landing slabs, elevation etc. complete complying with standard specifications.	1325.00	Sqm		
14	Providing & applying 12 mm thick cement plaster in CM 1:5 (1 part of cement: 5 parts of sand) to walls internally in single coat at all levels to correct line and level including chicken wire mesh at all joints of brick and concrete surfaces with minimum overlap of 150 mm in all directions, scaffolding, rounding off or chambering of corners, offsets, fin/ bands, projections, etc. and cleaning of surface, raking out joints, roughening of surface, chiseling the undulated surface wherever necessary and curing, etc., all materials and labor complete in all respects including all lead, lift and descent and as directed.	2467.00	Sqm		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
15	Providing & applying 15mm thick cement plaster to external surfaces of masonry and concrete surface in two coats, underlayer 12mm thick cement mortar 1:6 (1 cement : 6 coarse sand) and top layer 8mm thick cement plaster 1:6 (1 cement: 6 coarse sand) finished smooth and leveling the surface all complete. External plastering shall include roughening of the concrete surface, raking out joints of brick works including groove where ever required, curing at least for 7 days etc., scaffolding, staging etc.	1400.00	Sqm		
16	Providing & laying Artificial stone floor (P.C.C. flooring) with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone chips) laid in panels as directed with 3mm thick topping made with ordinary grey cement and marble dust in proportion (2 : 1) including smooth, finishing and application of cement slurry before flooring works using cement @ 1.75 kg./Sqm. All complete including all material and labours as per specification and direction of E.I.C. 25mm thick.	35.00	Sqm		
17	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 mathcing 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 Basic Cost 560/- Sq.m	54.00	Sqm		
18	Paving the floor with best quality Stain Free Nano polished Vitrified tiles- 600 x 600 x 8mm of approved color, 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 color pigments etc., complete complying with standard specification Basic Cost-Rs.570/sq.m	743.00	Sqm		
19	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. Basic cost-Rs.430/sq.m	227.00	Sqm		
20	Dadoing the walls with coloured Dadoing Ceramic tiles of size 300mm x 450mm x 8mm approved size , quality and colour set in CM 1 : 2 - 10 mm thk. And pointed with suitable cement including finishing the joint and pointing flesh with walls and tile surface in all floors at the rate of 0.40 Kg /Sqm etc. complete. Basic Cost 430/- Sq.m	571.00	Sqm		
21	Paving the floor with best approved quality Natural flammed finish granite for flooring/ steps & Landing of 18 / 20mm thick of with machine cut edges laid over a cement mortar bed of 20mm thick using cement mortar 1:3 (One cement and three crushed stone 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 mathcing colouring pigments etc, complete as per standard specification Basic cost-Rs.1462/sq.m	150.00	Sqm		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
22	Supply and fixing of polished granite slab ,18 mm thick (average), for flooring including fixing in position cutting , chipping the wall, masonry touch up works etc. Basic cost-Rs.1500/sq.m	24.00	Sqm		
23	Providing, fabricating and fixing M.S. grills Windows, and ventilator, gates, ladders, rail pipes, nosing angles, with M.S.lugs in staircase steps etc., made out of M.S rods, flats, angles, pipes, channels etc.	2869.00	Kg		
24	S.S Handrail				
	Manufacturing, supplying and fixing of stainless steel hand rails for staircase using 50mm dia 304L grade stainless steel pipe of 1.6mm thick at required locations to a height of 900mm from finished floor level welded to 38mm dia stainless steel pipe post of 1mm thick as vertical at 900mm centre with 2 Nos of 25mm dia intermediate horizontal stainless steel pipe of 1.6mm thick in between.The vertical pipe has to be welded to the 100 x 100 x 6mm MS base plate encased in the base concrete.The rate is inclusive of the charges for cutting, bending, welding, grinding, polishing, conveyance, electrical charges, ect.complete. (SOR M-0651) Pg.no:62	26.00	Sqm		
25	Manufacturing, supplying and fixing of stainless steel hand rails for staircase using 50mm dia 304L grade stainless steel pipe of 1.6mm thick will be provided with tubular supports made of 304L grade ss pipe of 25mm dia of 1.6mm thick welded to the railing.The supports will be grouted into the wall and provided with 93mm thick ss circular base plate of 304L grade.The rate shall included for grouting into concrete with necessary supporting arrangements the hand rail in floor polishing buffing, cutting, grinding, conveyance, welding charges, electrical charges, etc.complete. (SOR M-0652) Pg.no:62	4.00	Rmt		
26	UPVC Window supplying and fixing UPVC (Un-PLASTICIZED Polyvinyl chloride) windows of casement type (open) from the profile the size of outer frame 60mmx58mm and shutter profile are reinforcement with g/1mm 125GSM and 100% corrosion free, the profiles are multi chambered section with wall thick of 2mm. The EPDM rubber (black color) covered with over all the edges of frame and shutter the shutter will be provided with Espag multi power points locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed or plain 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.	107.00	Sqm		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
27	UPVC VENTILATOR: Supplying and fixing UPVC (Un-PLASTICIZED Polyvinyl chloride) Louvered Ventilators of from the profile the size of outer frame 60x58mm and shutter profile the size of 60x78mm both profile size of 60x78mm both profiles are reinforced with GI/1MM 125GSM and 100% corrosion free , the profile are mult chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with all over he edges of frame and shutter . The corners and joints should be welded and cleaned. Radiation pin headed glass 4mm thick should be fixed to the wall with 100% packing with screws and silicon packing all aroundthe frame. The ventilator should be got approved from the Executive Engineer before use on work. (SOR M-0675) Pg.no:71	22.00	Sqm		
28	FRP door Shutter with FRP door frames made out of FRP Sheets of 3mm thick of over all size 65mm x 50mm with rebate suitably reinforced using MS Angle / Flats, cost of holdfasts and solid core FRP shutter Panel of 5mm thick and hollow core frames of 3m wall thickness for styles and rails etc.,	50.00	Sqm		
29	Supplying, fabricating and fixing in position of Alumni Anode using 5.5 mm thick frosted glazed door using rectangular Alumni. Box section of following sizes for frame and shutter with necessary accessories such as rubber beading, Al. Clips, Best track arrangement on top, Aluminum Handles on both sides, stopper bush on top, tower bolt, Locks and glass including all materials, Labour, power consumption charges required for fabrication if necessary chipping, dismantling making necessary holes in RCC Columns, Beams or Masonry wherever necessary with power drill to the extent required and made good to the original conditions after fixing etc., complete. The Alumni. surface must be anodized with matt finish under electrically controlled condition in accordance with IS specification 1868 / 1962 of Anodic fill thickness of not less than 15 Microns (Fifteen) for all sections.	4.00	Sqm		
30	Door Frame: Supplying and fixing first quality teak wood frames for doors, windows, ventilators and other similar joinery works with the following sizes and 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.				
	Teak wood Scantings over 2M and below 3M	1.20	Cum		
31	Supply & Fixing of 32mm thick. single leaf high density interior grade marine plywood shutters pasted both sides with 4mm thk.OST ply of approved design with 35x12mm T.W.lipping on all edges with necessary adhesives and CP screws complying with standard specification. The cost is inclusive of 1 no mortise lock , handle, tower bolt , approved equivalent make SS bearing hinges of equivalent make of approved make,2 no floor mounted SS door stopper ect. complete.	32.00	Sqm		
32	Supply & Fixing of 40mm thk.Double leaf high density interior grade marine plywood shutters pasted both sides 1.5mm thk.laminate approved design with 35x12mm T.W.lipping on all edges with necessary adhesives and CP screws complying with standard specification.The cost is inclusive of 1 no cylindrical Lock,handel,tower bolt ,approved equivalent make SS ball bearing hinges of quivalent make of aproved make,2 no floor mounted SS door stoper ect.complete as per drawing. Make:Kutty,Sharon,Trojan. Accesseorice Make:Dorma, Godrej.1.5mm thk Laminate Basic Cost:810/M2	40.00	Sqm		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
33	Manufacturing, supplying and fixing of Steel doors with following specification. MS angle of size 40x40x6mm at 3.5 kg/m used for outer frame and MS Angle of size 35x35x5mm at 2.6 Kg/m for the shutter frame. Stiffeners with 32x6mm at 1.5 Kg/m MS Flat is provided as the lock rail of the door and welded intact on both ends to the shutter frame. 18 G CR Sheets of best quality is laid as panel in the shutter frames. 18x5mm at 0.70 kg/m MS flat is welded over the 32x6mm at 1.50kg/m MS Flat on the rear side of the door, sandwiching the CR Sheet for rigidity. Additional stiffeners with 18x5mm at 0.7 Kg/m MS flats are provided diagonally on the rear side of the shutter. 300mm length of hinges 2Nos, for shutter is provided. 6 Nos. of 250mm length hold fasts 200mm length specified at the ends are welded to the outer frame of the door. Tower bolt 2 Nos. at the top provided.	3.00	Sqm		
34	Toilet Sunken using broken brick jelly 20 mm gauge The proportion of broken brick jelly to slaked lime being 1:3:6 (1 part cement, 3 part fine aggregate & 6 part broken brick jelly), well beaten by wooden beaters for giving required slope and thickness required etc	24.00	Cum		
35	Painting two coats of synthetic Enamel paint of approved colour and make over one coat of anti corrosive Zinchromite primer over steel work , suitably prepared for receiving the paint by surface scraping, rubbing applying filler etc. including cost of filler, primer, paint all complete as per drawings and specifications.	163.00	Sqm		
36	Painting two coats of synthetic Enamel paint of approved colour and make over one coat of anti wood primer over new wood , suitably prepared for receiving the paint by surface scraping, rubbing applying filler etc. including cost of filler, primer, paint all complete as per drawings and specifications.	71.00	Sqm		
37	Supplying and Painting new plastered surface with two coats of emulsion one coat of primer	1325.00	Sqm		
38	Supplying and Painting new plastered internal ceiling surface with two coats of emulsion one coat of primer	1897.00	Sqm		
39	Supplying and painting the walls with one coat of wall primer and two coats of Exterior emulsion (apex or equivalent) as instructed by the departmental officers including preparation of surface curing, etc., complete in all floors complying with standard specifications	1400.00	Sqm		
40	Providing and laying water proofing treatment to vertical and surfaces for sunken portion of depressed portions of W.C., and the like consisting of :i) Ist course of applying cement slurry @ 4.4 Kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. ii) IInd course of 20mm cement plaster 1:2 (1 cement : 2 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. iii) IIIrd course of applying blown or residual bitumen applied hot at 1.7Kg. per sqm of area. iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/sqm.) (SOR M-0625) Pg.no:60	877.00	Sqm		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
41	Providing water proof plastering on top of chajjas in cement mortar 1:4 (1 Cement:4 C.Sand) , 20 mm thick including providing and removing scaffolding. , rounding of all corners wherever required smooth rendering etc. , complete mixing with water proof compound of approved make (Fosrock , Build plast chemicals) as per manufacturers specifications with a minimum of 150 ml per bag of cement used including curing etc., complete with all lead and lift charges for all heights.	90.00	Sqm		
42	Weathering Course Concrete using best quality broken brick jelly of 20 mm uniform gauge in pure slaked lime (NO Sand to be used (over the RCC roof slab in the proportion of brick jelly to lime being 32 : 121/2 by volume laid over in single layer and consolidated to the required slope and finished thickness and beating the concrete with wooden beaters of approved pattern, keeping the surface constantly wet by sprinkling lime, jigery water etc. complete complying with standard specifications and as directed	68.00	Cum		
43	Finishing the top terracotta tiles of roof with one course of machine pressed tiles of size 230mm x 230mm 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.,	692.00	Sqm		
44	Providing, supply, mixing laying cement plastering 20mm thick with cement mortar 1:4 mixed with water proofing compound Conplast X421IC conforming to IS:2645, @ 150ml per bag of cement (normal setting integral water proofing compound) as specified by the manufacturer over PCC leveling course including preparation of surface, dewatering, finishing, curing etc.	59.00	Sqm		
	BUILDING - TOTAL - A				
	B. UG Sump Size 3.30 x 2.10 x 1.80m - 12400 lts capacity				
45	Earthwork excavation for foundation (for narrow excavation) to full depth as per designed in all soils and sub soils except soft disintegrated rock not requiring blasting and hard rock requiring blasting and bailing water wherever necessary.Refilling the sides of foundation with excavated earth other than sand in layers of well rammed and compacted and depositing the surplus earth in places shown by the departmental officers with an initial lead of 10m and initial lift of 2m and clearing and leveling the site etc.complete complying with standard specification.	27.00	Cum		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
46	Supplying and filling in foundations and basement with filling M-sand in layers not exceeding 15 cm.thick,well watered,rammed and consolidated etc. complete complying with standard specifications.	1.00	Cum		
47	Plain Cement Concrete 1:4:8 (one part of cement, four parts of sand and eight parts of hard broken stone) using 40 mm gauge hand broken hard broken granite stone jelly complying with standard specifications in foundations and basement.	1.00	Cum		
48	Hire and labour charges for shuttering with centering and necessary staging upto 4 M. using approved stout proper and hard wood planks of approved thickness with required bracing for concrete slabs, beams, stairs, columns, walls, lintel, any curved member, fins, chajjas and fascia etc. including fitting, fixing and striking out after completion of mandatory period as specified.	57.00	Sqm		
49	Providing and laying in position, Standardised Concrete Mix M-25 Grade in accordance with IS:456-2000, using 20mm and down grade hard broken granite stone jelly for all RCC Items of works with minimum cement content of 350kg/m ³ and maximum water cement ratio of 0.50, including admixture (Plasticiser / super plasticiser) in recommended proportions as per IS:9130 to accelerate, rated setting of concrete, improve workability without impairing strength and durability with about (5.0 cu.m) 7730kg. of 20mm machine crushed stone jelly and with about (3.3cum) 5156 kg. of 10-12mm machine crused stone jelly and with about (4.79cum) 7670 kg of sand,	8.50	Cum		
	but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with Mechanical vibrators, finishing, curing, etc.,and providing fixtures like fan clamps in the RCC Floor / roof slabs wherever necessary without claiming extra, etc., Complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards.				
50	Steel - Fe 500 D/Fe 550D: Supply, fabrication and placing of reinforcement steel of high yield strength ribbed bars of various diameters and grade conforming to IS 1786 for reinforced concrete work. The work includes recoiling, straightening, cutting, bending, fabricating, and placing in position, at all levels including lead and lift, according to drawings, specifications etc. complete and supply & use of 18G black annealed binding wire double fold to tie the bars in position and providing precast cement/ PVC cover blocks for main reinforcement to ensure specified cover and complete.,	1.143	MT		
51	Providing, supply, mixing laying cement plastering 20mm thick with cement mortar 1:4 mixed with water proofing compound Conplast X421IC conforming to IS:2645, @ 150ml per bag of cement (normal setting integral water proofing compound) as specified by the manufacturer over PCC leveling course including preparation of surface, dewatering, finishing, curing etc.	35.00	Sqm		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
52	Supplying, laying and fixing in position ceramic tiles of approved size , quality and colour set k in CM 1:3 - 20 mm thk. Including cutting the tiles to the required size with special cutter where ever necessary and pointing the joints with coloured cement using 0.40 Kg / Sqm including finishing the flooring and pointing the joints flesh with tile surface etc. complete. Basic cost-Rs.430/sq.m	29.00	Sqm		
53	Supplying and fixing in position C.I.Manhole covers (heavy duty) mof various sizes of best approved quality and as per standard specificationsetc., complete.0.6X0.6M Size etc., complete.	1.00	No		
54	PVC mould CI steps for Septic Tank	8.00	Nos		
	TOTAL				
	C- Septic tank Size 3.30 x 2.10 x 1.80m - 12400 lts capacity				
55	Earthwork excavation for foundation (for narrow excavation) to full depth as per designed in all soils and sub soils except soft disintegrated rock not requiring blasting and hard rock requiring blasting and bailing water wherever necessary.Refilling the sides of foundation with excavated earth other than sand in layers of well rammed and compacted and depositing the surplus earth in places shown by the departmental officers with an initial lead of 10m and initial lift of 2m and clearing and leveling the site etc.complete complying with standard specification.	27.00	Cum		
56	Supplying and filling in foundations and basement with filling M-sand in layers not exceeding 15 cm.thick,well watered,rammed and consolidated etc. complete complying with standard specifications.	1.00	Cum		
57	Plain Cement Concrete 1:4:8 (one part of cement, four parts of sand and eight parts of hard broken stone) using 40 mm gauge hand broken hard broken granite stone jelly complying with standard specifications in foundations and basement.	1.00	Cum		
58	Supplying and erecting centering and shuttering for soffits including necessary supports and strutting upto 3 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 specificaiton.(Payment for centering shall be given after the concrete is laid).	12.00	Sqm		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
59	Providing and laying in position, Standardised Concrete Mix M-25 Grade in accordance with IS:456-2000, using 20mm and down grade hard broken granite stone jelly for all RCC Items of works with minimum cement content of 350kg/m ³ and maximum water cement ratio of 0.50, including admixture (Plasticiser / super plasticiser) in recommended proportions as per IS:9130 to accelerate, rated setting of concrete, improve workability without impairing strength and durability with about (5.0 cu.m) 7730kg. of 20mm machine crushed stone jelly and with about (3.3cum) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79cum) 7670 kg of sand,	4.00	Cum		
	but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with Mechanical vibrators, finishing, curing, etc.,and providing fixtures like fan clamps in the RCC Floor / roof slabs wherever necessary without claiming extra, etc., Complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards.				
60	Steel - Fe 500 D/Fe 550D: Supply, fabrication and placing of reinforcement steel of high yield strength ribbed bars of various diameters and grade conforming to IS 1786 for reinforced concrete work. The work includes recoiling, straightening, cutting, bending, fabricating, and placing in position, at all levels including lead and lift, according to drawings, specifications etc. complete and supply & use of 18G black annealed binding wire double fold to tie the bars in position and providing precast cement/ PVC cover blocks for main reinforcement to ensure specified cover and complete., including all labor charges etc as directed by departmental officers.	0.55	MT		
61	Brick masonry work in cement mortar (1:6) using approved 1st class bricks (250 x 125 x 75) having minimum crushing strength of 105 kg per Cmsq. including V- Groove jointing on both faces, curing at least for 7 days, cleaning and soaking the brick at least for 24 hours before using it for work, scaffolding, staging, all leads and lifts from any point to any point inside the site in all structures such as walls / pillars / supports etc. as directed by the E.I.C.	6.00	Cum		
62	Brick partition walls of 11.50cm thickness using best quality First class table moulded chamber burnt bricks of size 9" x 4-3/8" x 2-3/4" in Cement Mortar 1:3 (One Cement and Three crushed stone Sand) using hoop iron reinforcement if found necessary including curing etc. (Hoop iron reinforcement will be measured and paid for separately)and paid for separately).	4.00	Sqm		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
63	Providing, supply, mixing laying cement plastering 20mm thick with cement mortar 1:4 mixed with water proofing compound Conplast X421IC conforming to IS:2645, @ 150ml per bag of cement (normal setting integral water proofing compound) as specified by the manufacturer over PCC leveling course including preparation of surface, dewatering, finishing, curing etc. all complete as per manufacture's Specification and direction	64.00	Sqm		
64	Supplying and fixing in position C.I.Manhole covers (heavy duty) of various sizes of best approved quality and as per standard specification etc. complete. 0.6X0.6M Size etc, complete.	1.00	No		
65	PVC mould CI steps for Septic Tank	8.00	Nos		
	TOTAL				
	D.CONSTRUCTION OF COMPOUND WALL				
66	Earthwork excavation for foundation (for narrow excavation) to full depth as per designed in all soils and sub soils except soft disintegrated rock not requiring blasting and hard rock requiring blasting and bailing water wherever necessary. Refilling the sides of foundation with excavated earth other than sand in layers of well rammed and compacted and depositing the surplus earth in places shown by the departmental officers with an initial lead of 10m and initial lift of 2m and clearing and leveling the site etc. complete complying with standard specification.	259.00	Cum		
67	Supplying and filling in foundations and basement with filling M-sand in layers not exceeding 15 cm. thick, well watered ,rammed and consolidated etc. complete complying with standard specifications.	17.00	Cum		
68	Plain Cement Concrete 1 : 4 :8 (one part of cement, four parts of sand and eight parts of hard broken stone) using 40 mm gauge hand broken hard broken granite stone jelly complying with standard specifications in foundations and basement.	17.00	Cum		
69	Supplying and Erecting centering for sides and soffits including necessary supports and strutting up to 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 about 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 specification. (Payment for centering shall be given after the concrete is laid)	296.00	Sqm		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
70	Providing and laying in position, Standardised Concrete Mix M-25 Grade in accordance with IS:456-2000, using 20mm and down grade hard broken granite stone jelly for all RCC Items of works with minimum cement content of 350kg/m ³ and maximum water cement ratio of 0.50, including admixture (Plasticiser / super plasticiser) in recommended proportions as per IS:9130 to accelerate, rated setting of concrete, improve workability without impairing strength and durability with about (5.0 cu.m) 7730kg. of 20mm machine crushed stone jelly and with about (3.3cum) 5156 kg. of 10-12mm machine crused stone jelly and with about (4.79cum) 7670 kg of sand,	39.00	Cum		
	but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with Mechanical vibrators, finishing, curing, etc.,and providing fixtures like fan clamps in the RCC Floor / roof slabs wherever necessary without claiming extra, etc., Complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards.				
	Steel - Fe 500D/Fe550D				
71	Supply, fabrication and placing of reinforcement steel of high yield strength ribbed bars of various diameters and grade conforming to IS 1786 for reinforced concrete work. The work includes decoiling, straightening, cutting, bending, fabricating, and placing in position, at all levels including lead and lift, according to drawings, specifications etc. complete and supply & use of 18G black annealed binding wire double fold to tie the bars in position and providing precast cement/ PVC cover blocks for main reinforcement to ensure specified cover and complete	5.590	MT		
72	Brick work in following Cement Mortar using best quality First class table moulded chamber burnt bricks of size 9" x 4-3/8" x 2-3/4" for foundation and basement including curing, etc., complete complying with standard specification.	67.00	Cum		
73	Providing & applying 20 mm thick cement plaster in CM 1:5 (1 part of cement: 5 parts of sand) to walls externally in single coat at all levels to correct line and level including scaffolding, rounding off or champhering of corners, offsets, fin/ bands, projections,etc.and cleaning of surface, raking out joints, roughening of surface, chiseling the undulated surface wherever necessary and curing, etc.	692.00	Sqm		
74	Supplying and fixing mild steel grills for windows, ventilators,Gate etc., including priming one coat necessary fixtures complete as per drawings.	270.00	Kg		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
75	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 Zinc chromite priming coat in all floors excluding cost of priming coat etc., complete complying with standard specification.	18.00	Sqm		
76	Supplying and painting the exterior walls with one coat of wall primer and two coats of Acrylic Exterior emulsion (ACE quality of Asian paints or its equivalent) as per manufacturers specifications including preparation of surface, curing the primer coat and including Scaffolding, cleaning the paint drop stains after completion painting works etc., complete in all floors complying with standard specifications	692.00	Sqm		
	E. EXTERNAL DEVELOPMENT				
77	Earthwork excavation for foundation (for narrow excavation) to full depth as per designed in all soils and sub soils except soft disintegrated rock not requiring blasting and hard rock requiring blasting and bailing water wherever necessary. Refilling the sides of foundation with excavated earth other than sand in layers of well rammed and compacted and depositing the surplus earth in places shown by the departmental officers with an initial lead of 10m and initial lift of 2m and clearing and leveling the site etc. complete complying with standard specification.	40.00	Cum		
78	Supplying and filling in foundations and basement with filling M-sand in layers not exceeding 15 cm. thick, well watered, rammed and consolidated etc. complete complying with standard specifications.	83.00	Cum		
79	Plain Cement Concrete 1 : 4 : 8 (one part of cement, four parts of sand and eight parts of hard broken stone) using 40 mm gauge hand broken hard broken granite stone jelly complying with standard specifications in foundations and basement.	13.00	Cum		
80	Supplying and Erecting centering for sides and soffits including necessary supports and strutting up to 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 about 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 specification. (Payment for centering shall be given after the concrete is laid)	299.00	Sqm		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
81	Providing and laying in position, Standardised Concrete Mix M-25 Grade in accordance with IS:456-2000, using 20mm and down grade hard broken granite stone jelly for all RCC Items of works with minimum cement content of 350kg/m ³ and maximum water cement ratio of 0.50, including admixture (Plasticiser / super plasticiser) in recommended proportions as per IS:9130 to accelerate, rated setting of concrete, improve workability without impairing strength and durability with about (5.0 cu.m) 7730kg. of 20mm machine crushed stone jelly and with about (3.3cum) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79cum) 7670 kg of sand,	30.00	Cum		
	but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with Mechanical vibrators, finishing, curing, etc.,and providing fixtures like fan clamps in the RCC Floor / roof slabs wherever necessary without claiming extra, etc., Complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards.				
82	Supply, fabrication and placing of reinforcement steel of high yield strength ribbed bars of various diameters and grade conforming to IS 1786 for reinforced concrete work. The work includes decoiling, straightening, cutting, bending, fabricating, and placing in position, at all levels including lead and lift, according to drawings, specifications etc. complete and supply & use of 18G black annealed binding wire double fold to tie the bars in position and providing precast cement/ PVC cover blocks for main reinforcement to ensure specified cover and complete.	1.043	MT		
83	Providing & applying 12mm thick cement plaster in CM 1:5 (1 part of cement: 5 parts of sand) to walls externally in single coat at all levels to correct line and level including scaffolding, rounding off or champhering of corners, offsets, fin/ bands, projections,etc.and cleaning of surface, raking out joints, roughening of surface, chiseling the undulated surface wherever necessary and curing, etc., all materials and labour complete in all respects including all lead, lift and descent and as directed.	187.000	Sqm		
84	Supplying and painting the exterior walls with one coat of wall primer and two coats of Acrylic Exterior emulsion (ACE quality of Asian paints or its equivalent) as per manufacturers specifications including preparation of surface, curing the primer coat and including Scaffolding, cleaning the paint drop stains after completion painting works etc., complete in all floors complying with standard specifications	112.000	Sqm		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
85	Supplying and laying of Interlocking Paver Block Stone 63mm thick . Over a base layer of crushed stone sandfilling incl. Cost of materials laying and Labour charges etc.,	696.000	Sqm		
	F. ELECTRICAL WORKS				
1	Wiring for light point/fan point /Exhaust fan point/call bell point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable etc,as required.				
	Group A	99.00	Each		
	Group B	38.00	Each		
2	Wiring for group controlled light point/fan point /Exhaust fan point/call bell point (without independent switch etc..) with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, and earthing the point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable etc,as required.				
	Group A	57.00	Each		
	Group B	21.00	Each		
3	Wiring for Circuit / Sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required.				
3.1	2 x1.5 Sq. mm + 1 x 1.5 Sq. mm earth wire	207.00	Meter		
3.2	2 x2.5 Sq. mm + 1 x 2.5 Sq. mm earth wire	195.00	Meter		
3.3	2 x 4 Sq. mm + 1 x 4 Sq. mm earth wire	538.00	Meter		
3.4	4 x 10 Sq.mm + 2 x 6 Sq.mm earth wire	36.00	Meter		
4	Supply & drawing of following sizes of FRLS copper conductor, single core cable in the existing surface/Recessed steel/PVC conduit as required.				
4.1	3 x 1.5 Sq.mm	207.00	Meter		
4.2	3 x 2.5 Sq.mm	195.00	Meter		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
5	Supply and drawing of following pair 0.5 mm Dia FRLS PVC insulated annealed copper conductor unarmored telephone cable in the existing surface recessed steel/PVC conduit as required.				
	4 Pair	40.00	Meter		
6	Supply and drawing co-axial TV cable RG-6 grade 0.7mm Solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in existing surface/ recessed steel/PVC conduit as required.				
		42.00	Meter		
7	Supply and fixing of following sizes of medium class PVC conduit along with accessories in surface/recessed including cutting the wall and making good the same incase of recessed conduit as required.				
7.1	20mm	20.00	Meter		
7.2	25mm	80.00	Meter		
7.3	32mm	60.00	Meter		
7.4	40mm	20.00	Meter		
7.5	50mm	20.00	Meter		
8	Supply and fixing of following modular socket and switch with suitable modular plate, GI back box including connetionsas required.				
8.1	3 nos 3 pin 5/6A socket outlet controlled by 1 no 15/16A switch	19.00	Each		
8.2	1 no 3 pin 5/6A socket outlet controlled by 1 no 5/6A switch	89.00	Each		
8.3	1 no 6 pin 15/16A socket outlet controlled by 1 no 15/16A switch	26.00	Each		
9	Telephone socket outlet	4.00	Each		
10	TV antena socket outlet	4.00	Each		
11	modular base & cover plate for modular switches in recess etc.. As required.				
	1 or 2 module (75mm x 75mm)	16.00	Each		
12	Supply and fixing brass batten / angle holder holder including connections etc, as required.	39.00	Each		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
13	Supply & drawing of UTP 4 pair CAT 6 LAN Cable in Existing surface/recessed steel/PVC conduit as required.				
	1 run of cable	120.00	Meter		
14	cover in front on surface or in recess including providing and fixing of 25A modular socket outlet and 25A modular SP MCB "C" curve	4.00	Each		
15	neutral, sheet steel, MCB distribution board, 415V, on surface/recess complete with tinned copper busbar neutral				
	8way (4+24) , Double door	3.00	Each		
16	Curve, miniature circuit breaker suitable for inductive load of poles in the existing MCB DB complete with connections, testing and				
16.1	Single pole	72.00	Each		
16.2	Double pole	4.00	Each		
16.3	Tribble pole	2.00	Each		
17	Supply and fixing of single pole blanking plate in the existing MCB DB complete etc..as required.	3.00	Each		
18	Supplying and fixing of following rating four pole 415V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	40A	3.00	Each		
19	Supplying and fixing of following rating double pole (Single phase and neutral) 240V, residual circuit breaker(RCCB) having sensitive				
	40A	9.00	Each		
20	Supply and fixing of 20A,240V, SPN industrial type socket outlet with 2 pole and earth,metal enclosed plug top along with 20A "C" curve SP MCB in sheet steel enclosure on surface/recess with chained metal cover for socket outlet and complete with connections testing and commissioning etc.. as required.	1.00	Each		
21	Supply and fixing of cable end box (Loose wire BOX) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 415 volts on surface / recess complete with testing and commissioning as required.				
	8 Way double door TPN MCB DB	3.00	Each		
22	Installation, testing and commissioning of pre wires, fluorescent fitting / compact fluorescent fitting of all types, Complete with all accessories and tube/lamp etc.. Directly on ceiling / wall, including connections with 1.5 Sq.mm FRLS PVC insulated copper conductor, single core cable and earthing etc. as required.	167.00	Each		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
23	Installation, testing and commissioning of ceiling fan, including wiring down rod of standard length (Upto 30CM) wiring with 1.5 Sq.mm FRLS copper conductor, single core etc. as required.	53.00	Each		
24	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing and commissioning etc. as required.				
	Upto 450mm dia	7.00	Each		
25	Supply of 1200mm Sweep BLDC fan	53.00	Each		
26	Supply and fixing of 300mm (12") sweep (Heavy duty) AC exhaust fan complete without provision of holes in the wall	7.00	Each		
27	Supply of 4' 20W LED fitting with LED on wall or ceiling with PVC unsheathed copper leads from terminals to the fitting (Higher end)	167.00	Each		
28	Supply, installing following size perforated hot dipped galvanised iron cable tray				
	300mm x 50mm x 1.6mm thickness	30.00	Each		
29	Earthing with G.I earth pipe 4.5 meter long, 40mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangements and watering pipe etc..charcoal /cock and salt as required.	8.00	Each		
30	Earthing with copper earth plate 600mm x 600mm x 3 mm thick 2.7 meter long, including accessories, and providing masonry enclosure with cover plate having locking arrangements and watering pipe etc..charcoal /cock and salt as required.	2.00	Each		
31	Supplying and laying of 25mm x 5mm Copper strip at 0.5 meter below ground as strip earth electrode, including connection/terminating with nut,bolt,spring washer etc. as required. (Jointing shall be done by over lapping and with 2 sets of brass bolt nut & spring washer spaced at 50mm.	18.00	Meter		
32	Supplying and laying of 25mm x 5mm GI strip at 0.5 meter below ground as strip earth electrode, including connection/terminating with nut,bolt,spring washer etc. as required. (Jointing shall be done by over lapping and with 2 sets of GI bolt nut & spring washer spaced at 50mm.	60.00	Meter		
33	Providing and fixing of 25mm x 5mm copper strip in 40mm dia GI pipe from earth electrode including connection with brass bolt nut with spring washer 2 sets, excavation and refilling etc as required.	2.00	Meter		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
34	Providing and fixing of 25mm x 5mm GI strip in 40mm dia GI pipe from earth electrode including connection with GI bolt nut with spring washer 2 sets, excavation and refilling etc as required.	2.00	Meter		
35	Providing and fixing of 25mm x 5mm Copper strip on surface or in recess for connection etc, as required.	18.00	Meter		
36	Providing and fixing of 25mm x 5mm GI strip on surface or in recess for connection etc, as required.	120.00	Meter		
37	Providing and fixing of 4.0mm dia copper wire on surface or in recess for connection etc, as required.	12.00	Meter		
38	Providing and fixing of 6 SWG GI wire on surface or in recess for connection etc, as required.	20.00	Meter		
39	Providing and fixing earth bus of 50mm x 5mm copper strip on surface for connections, etc as required.	1.00	Meter		
40	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling thr trench etc..				
40.1	Upto 35 Sqmm	120.00	Meter		
40.2	Above 35 Sq.mm upto 95 Sq.mm	60.00	Meter		
41	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1KV grade of following size on wall surface as required.				
41.1	Upto 35 Sqmm	40.00	Meter		
41.2	Above 35 Sq.mm upto 95 Sq.mm	12.00	Meter		
42	Supply and making end termination with brass compression gland and aluminium lugs for the following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1KV grade as required.				
42.1	4 x 16 Sq. mm	2.00	Meter		
42.2	3.5C x 35 Sq.mm (32mm)	2.00	Meter		
42.3	3.5C x 95 Sq.mm (45mm)	2.00	Meter		
43	Supply and of 3 1/2 x 35 sq.mm. PVC LTUG armoured cable	160.00	Meter		
	SD223				
44	Supply and of 3 1/2 x 95 sq.mm. PVC LTUG armoured cable	72.00	Meter		
	SD226				

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
45	Supply and fixing of TNEB meter board suitable for 3 phase 63A service connection made up of suitable angle iron frame work of size 2 feet x 1-1/2 feet using angle iron of size 1-1/2" x 1-1/2" x 1/4" rigidly fixed on wall covered with hylem sheet of size 2 feet x 1/2 feet of 6mm thickness with necessary bolts and nuts supports and supply and fixing of 3 Nos. 63A fuse units (500V), 1 No. neutral link, copper earth flat of size 1" x 1/4" with inter connection of EB meter to fuse units by 16 Sq.mm PVC insulated copper wire with earth connection complete	1.00	Each		
	SD129				
	PANEL BOARD				
46	Supply, installation, testing and commissioning of LT panel suitable for 415V, 3 Phase, 50Hz, 4 wire system. Panel shall be Indoor type , floor/wall mounted. Panels to be made up of 16SWG CRCA sheets painted RAL-7032 colour after seven tank pre-treatment process carried. Cable entry shall be provided as bottom/top entry. All incomers shall have segregation from outgoing cable chambers. 75mm height base channel to be provided at the bottom of all floor panels. Each door shall be casketed using nitrile rubber and hinged on each cubicle with insulated door knob.				
	sized considering 0.7A/Sqmm(Aluminium), 1.2A/Sqmm(Copper). Cross section of neutral bus shall be same as that of phase bus bar unless specified. Bus bar shall be suitably insulated with PVC heat shrinkable sleeves of suitable colour coding. Earth bus shall be provided as required.				
	All MCCBs shall be of minimum 25kA rated and Ics of all MCCBs shall be rated to 100% of Icu. All MCCBs shall have thermal magnetic protections with Rotatory handles and all accessories to be provided as per requirement. Hylum sheet protection shall be provided at the output terminals.				
	Vendor shall submit Panel GA and control wiring drawings for consultant/client approval before taking production. Quoted rates shall inclusive of FAT & report.				
	MAIN POWER PANEL-1				
	Incomer:				
	100A ATS without controller - 1 No				
	100A 25kA FP MCCB with Thermal Magnetic Release - 1 No,				
	15kA TYPE 1+2 SPD with MCB				
	100A 25kA Class 0.5 Resin CT - 1 No and RTB indications - 1Set				
	Outgoing:				
	63A TP MCCB+Neutral Link - 2 No				
	40A TP MCCB+Neutral Link - 3 Nos				
	25A TP MCCB+Neutral Link - 2 Nos				
	RYB indication				
	100A 3Phase 4 wire Aluminium Bus with 100% Neutral Bus.	1.00	Each		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
47	Supply, installationm testing and commissioning of silent type DG set, AMF panel, Bus trunking/cables from DG set to panelmcontrol cable, Earthing of DG set and AMF panel, DG set exhaust piping as per CPCB norms and minor allied works	60.00	Each		
48	Supply, Installation,Testing and Commissioning of on grid Solar Photo voltaic Power Plant conforming to MNRE specifications as amended, consisting of Mono/Poly Crystalline silicon solar cells, net metering facility, necessary protections, earthing, mounted on Aluminium/GI structure of suitable strength with following components complete as required: a) Solar Photo voltaic Module of capacity 330Wp or above, manufactured in India, conforming to IS 14286/IEC 61215, IS/IEC 61730-Part-1, IS/IEC 61730-Part-2.Solar Photo voltaic Module conversion efficiency shall not be less than 16.5%. PV modules used in solar power plants/systems must be warranted for their output peak watt capacity, which should not be less than 90% at the end of 10 years and 80% at the end of 25 years. b) Power Conditioning Unit (PCU) of 350-800 VDC Input voltage range and 400V AC, three phase, 4 wire, 50Hz+/-2. 5Hz, output voltage suitable to generate AC Power with efficiency not less than 97%, total harmonic distortion less than 3% and suitable for ambient temperature from 0 to 50 degree C. The PCU shall adjust the voltage and frequency level to suit the Grid Voltage Frequency. c) Data Monitoring System complete with accessories. d) Fixing of Array junction box & Main junction box with IP65 protection and termination arrangement for incoming and outgoing cable along with glands, lugs and other accessories etc. as required. e) Lightning and surge voltage protection. f) Connections & Interconnections by supplying & fixing required size XLPE insulated copper conductor 1.1 kV grade armoured power and control cables between solar modules, main power cable to grid supply PCU unit alongwith supplying & fixing of necessary channel/conduit lugs and other accessories etc. as required	15.00	KWp		
49	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm	1.00	Each		
50	Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.	1.00	Each		
51	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	1.00	Each		
52	Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run) <input type="checkbox"/>	8.00	Meter		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
53	Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	13.00	Meter		
54	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required.	1.00	Each		
55	Providing and laying copper. tape 32 mm X 6 mm from earth electrode directly in ground as required.	12.00	Each		
	TOTAL GROSS VALUE				
	ADD CGST 9 %				
	ADD SGST 9%				
	TOTAL NET VALUE				
	Plumbing Work				
1	Providing and fixing of European type water closet as per specification				
1.1	White colour Seat cover	21.00	Each		
2	Providing and fixing of Urinal				
2.1	One urinal basin with 5 ltr white PVC automatic flushing	9.00	Each		
3	Providing and fixing of wash basin				
3.1	Single pillar tap	22.00	Each		
4	Kitchen Sink				
4.1	White glass fire clay	2.00	Each		
5	Providing and fixing helath faucet	21.00	Each		
6	Bottle trap for wash basin	22.00	Each		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
7	Wash basin & Sink Waste Pipe				
7.1	40mm Dia	24.00	Each		
8	Providing and fixing of 100mm sand cast grating	5.00	Each		
9	Mirror for wash basin				
9.1	Rectangular shape	15.00	Each		
10	CPVC pipes - Exposed on wall				
10.1	15mm Dia pipes	-	Meter		
10.2	20mm Dia pipes	60.00	Meter		
10.3	25mm Dia pipes	40.00	Meter		
10.4	32mm Dia pipes	25.00	Meter		
10.5	40mm Dia pipes	25.00	Meter		
10.6	50mm Dia pipes		Meter		
11	CPVC pipes - Concealed in wall				
11.1	15mm Dia pipes		Meter		
11.2	20mm Dia pipes	90.00	Meter		
11.3	25mm Dia pipes	15.00	Meter		
11.4	32mm Dia pipes		Meter		
12	CPVC pipes - External work				
12.1	15mm Dia pipes		Meter		
12.2	20mm Dia pipes	20.00	Meter		
12.3	25mm Dia pipes	60.00	Meter		
12.4	32mm Dia pipes	40.00	Meter		
12.5	40mm Dia pipes	150.00	Meter		
12.6	50mm Dia pipes		Meter		
13	Stop cock				
13.1	20mm nominal bore	5.00	Each		
14	Gate Valve with CI wheel				
14.1	32mm Dia pipes	2.00	Each		
14.2	40mm Dia pipes	2.00	Each		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
15	Ball valve				
15.1	25mm Ball Valve	4.00	Each		
16	Non return Valve				
16.1	Horizontal 32mm	2.00	Each		
16.2	Horizontal 40mm	1.00	Each		
17	Shower Rose				
17.1	100mm Dia	15.00	Each		
18	60x60x75 mm Chamber	1.00	Each		
19	Bib cock				
19.1	15mm nominal bore	23.00	Each		
20	Long nose bib cock				
20.1	15mm nominal bore	2.00	Each		
21	CP stop cock				
21.1	15mm nominal bore	9.00	Each		
22	CP brass angle valve				
22.1	15mm nominal bore	38.00	Each		
23	Cutting holes in RCC upto 15x15 CM	5.00	Each		
24	STONEWARE PIPES				
24.1	100mm Dia	80.00	Meter		
24.2	150mm Dia	70.00	Meter		
24.3	200mm dia	120.00	Meter		
25	Proving and laying cement concrete				
25.1	100mm Dia	80.00	Meter		
25.2	150mm Dia	70.00	Meter		
25.3	200mm dia	120.00	Meter		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
26	Proving and laying cement concrete				
26.1	100mm Dia	20.00	Meter		
26.2	150mm Dia	25.00	Meter		
26.3	200mm dia	-	Meter		
27	Gully trap				
27.1	With comon burnt clay	5.00	Each		
28	RCC pipe				
28.1	100mm Dia	20.00	Meter		
28.2	150mm dia	20.00	Meter		
29	Inspection chamber				
29.1	45CM deep With comon burnt clay	1.00	Each		
30	90CM deep chamber	1.00	Each		
31	Drain connetion for sewer line				
31.1	Upto 250mm dia	10.00	Each		
32	Gully chamber				
32.1	With common clay	5.00	Each		
33	Inspection chamber				
33.1	With common burnt clay	12.00	Each		
34	Soak Pit making				
34.1	With common burnt clay	1.00	Each		
	TOTAL GROSS VALUE				
	ADD CGST 9 %				
	ADD SGST 9%				

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
	TOTAL NET VALUE				
	Fire Fighting Works				
1	Supply, erection, testing and commissioning of fire fighting application monoblock motor pumpset of 450LPM at 40 metres head to develop 3.5 kg/sq.cm at the heightest and farthest hydrant point to make 30mwater jet at the time of fire fighting emergency circumstances, coupled with 11 KW / 15 HP rated three phase 414 volts, 50 Hz, 2880 rpm electrical motor the pump with cast iron body, bronze impeller, rope gland packaging, suction size of 80 mm dia. delivery size of 65 mm dia., including the cost of foundation concrete anti vibration mounting, rain safety hood and etc.complete as directed by the Departmental Officers (Kirkoskar make KDS 1555+ or Equivalent)	1	set		
2	Supply and fixing of Fire fighting application obliquetype stainless steel Hydrant Valve of size 63mm dia with oblique type instantaneous coupling with rotatingwheel to open and close the valve including MS flange of table "E",bolts & nuts with washer as per IS 5290 at ring main around the building and wet riser inside the building including conveyance, all incidental charges,neccessary scaffolding and re-doing the dismantled portions to its original condition wherever found neccessary etc complete as per standard specification and as directed by the Departmental Officers. Make:OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	2	Each		
3	Supply of Fire Fighting Application MS Hose Box to keep two number of hoses and 1 No. of branch pipe with nozzle having proper glass window type double door with universe open key, painted inside white and outside Post Office Red. Near every hydrant point including conveyance, all incidental charges, neccessary scaffolding and re-doing the dismantled portions to its original condition wherever found neccessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	2	Each		
4	Supply, and fixing in position of Fire Fighting Application Hose of 63mm dia of 15 metres length binded by copper wire with 63mm dia stainless steel male and female instantaneous fire fighting special coupling as per IS 901 as directed by the Departmental Officers. Near every hydrant points including conveyance, all incidental charges,neccessary scaffolding and re-doing the dismantled portions to its original condition wherever found neccessary etc complete as per standard specification and as directed by the Departmental Officers. Make:OMEX / KARTAR/ LIFE GUARD / SAFE GUARD / EQUIVALENT.	2	Each		
5	Supply, and fixing in position of Fire Fighting Application 63mm dia stainless steel short length Branch Pipe with hexagonal type spray nozzle of 15mm (or) 20mm jet bore. Near every hydrant points including conveyance, all incidental charges, neccessary scaffolding and re-doing the dismantled portions to its original condition wherever found neccessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR / LIFE GUARD / SAFE GUARD / EQUIVALENT.	2	Each		

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
6	Supply, installation of Fire Fighting Application 180 degree swinging type, hose reel drum with 20mm dia braided thermoplastic hose of 30 metres long, so as to extend to necessary distance by self rolling spindle wheel including necessary 20mm dia ball valve and open and close spray nozzle, warm clip, etc., as per the standard pattern of any reputed make at every loor nearer to hydrant valve, including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary., etc., complete as per standard specification and as directed by the Departmental Officers. Make: OMEX / KARTAR LIFE GUARD / SAFE GUARD / EQUIVALENT.	2	Each		
7	Supply, erection, testing and commissioning of cast iron body and bronze internal non-rising spindle luice valve of sizes at required places to control the flow of water including necessary MS flange of table „E“, gaskets, bolts & nuts including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as er standard specification and as directed by the Departmental Officers. Make: NORMEX / ARTAR / EQUIVALENT				
	a) 100mm dia	1	Each		
8	Supply, erection, testing and commissioning of following MS „C“ Class Heavy Duty Pipe as per IS 1239 to withstand a developing pressure of 10 kg. / sq.cm including necessary fittings like MS flange of table „E“, elbows, reducers, gaskets, bolt, nuts with washers & joints as per standard method of arc welding, including one coat metal primer and two coat Post Office Red painting including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: JINDAL / EQUIVALENT.				
	i) 100 mm dia	18	Rmt		
9	Supply, erection, testing and commissioning of Air Release Valve of 20mm dia, so as to release airlock in 100mm dia MS pipe at top most wet riser, including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers. Make: KARTAR / EQUIVALENT.	1	Each		
10	Supply and laying of 2 core 1.5 sq.mm. armoured copper cable for control wiring to the Terrace Pump Motor with runs of 14 SWG TC wire for earthing, providing in wall with suitable size GI clamps,screws, wooden plug, end termination by using suitable size Cable glands, copper sockets and etc.,as directed by the Departmental Officers.	25	Rmt		
		table First Aid Fire E			

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
11	Supply and fixing of stored pressure ABC (Mono Ammonium Phosphate) Powder Type Fire Extinguisher of 4 kg. capacity as per IS:15683 with pressure gauge, discharge hose & control nozzle, wall mounting bracket, safety clip etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc, complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT	4	Each		
12	Supply and fixing of Carbon-di-Oxide Gas Type 2 kg. capacity Fire Extinguisher as per New IS15683, complete with control valve, discharge hose with horn, wall mounting bracket, safety clip etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc., complete as per standard specification and as directed by the Departmental Officers. Make: EXCELLENT / SAFETY FIRST / EQUIVALENT	4	Each		
13	4 Nos. of 9 litres capacity round bottom sand buckets along with bucket stand as per local fire officer's standards.	4	SET		
14	Supply, erection, testing and commissioning of Cast iron body and Gun metal or stainless steel internal Nonreturn valve of following sizes to control one way flow of water to be installed pump room at delivery line and near overhead tank at terrace level near to jockey pump and motor including necessary MS flange of table „E“, gaskets, bolts & nuts, etc. as per IS 5312 including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary, etc., complete as per standard specification and as directed by the Departmental Officers.				
	a) 100mm dia	1	Each		
	System : Photoluminescent Safety Signages				
15	The following descriptive photoluminescent Green or Red color safety signages in different sizes / graphics / colours / texts can be made according to the standards accepted by the Local Fire service department.				
	(a) Fire Hydrant - with symbol. Size 6" x 8"	2	Each		
	(b) Fire hydrant & Hosereel - with symbol. Size 6" x 8"	2	Each		
	(c) Fire extinguisher - with symbol. Size 4" x 4"	8	Each		
	(d) In case of fire Do not use lift Size 8" x 8"	1	Each		
	(e) Arrow downwards + Running man + Emergency exit - with symbol. Size 6" x 16"	3	Each		
	(f) Arrow upwards + Running man + Emergency exit - with symbol. Size 6" x 16"	3	Each		
	(g) In case of Fire Break the Glass- with Manual call Point symbol. Size 6" x 8"	2	Each		
	(h) Fire alarm panel Size 6" x 8"	1	Each		
	(i) Fire door - with symbol Size 6" x 8"	2	Each		
		System : Fire Alarm			
A	SUPPLY INSTALLATION TESTING COMMISSIONING OF CONVENTIONAL TYPE FIRE ALARM SYSTEM				

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
16	Supply, installation, testing and commissioning of Micro Processor based conventional 4 Zone Fire Alarm Control Panel having the rating of 24 volt DC power supply, consisting 230 / 24 volt SMPS unit, 2 Nos. of 12 volt 7 AH standby batteries, suitably mounted on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers.	1	Each		
17	Supply, installation, testing and commissioning of Manual Call Point (MCP) providing on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers.(Make: Ravel / Equivalent)	6	Each		
18	Supply, installation, testing and commissioning of Smoke detector (Make: Ravel / Equivalent)	40	Each		
21	Supply, installation, testing and commissioning of Electronic Hooter / Sounder providing on wall using fixing accessories like screws, plug, clamps and etc., as per standard methods and as directed by the Departmental Officers (Make: Ravel / Equivalent)	4	Each		
22	Supply and laying of FRLS PVC insulated 2 core 1.5 sq.mm. Armoured Copper Cable on ceiling / wall using fixing accessories like screws, plug, clamps, etc., as per standard methods and as directed by the Departmental Officers.	120	Rmt		
V	Sub Total				
	ADD CGST 9 %				
	ADD SGST 9%				

SI.No	Description of work	Qty	Unit	RATE (INR)	AMOUNT(INR)
	Lift Work				
1	Design, Supply, Installation, Testing & Commissioning of stainless steel lift: 8 Passenger Elevator, 2 stops with machine room as per Specification & Details following Below : Passenger Type Elevator, No. of Units 1, Capacity -8 Person, Speed 1 m/s, Stops & Openings 2 stops & 2 openings, Single entrance car, Travel height 10 m, Head Room height as per drawing, Pit Height as per design, MAP Floor Position Topmost floor, Car dimensions 2000 mm wide x 2000 mm deep x 3300 mm height, Door dimensions 900 mm wide x 2100 mm height, Door type Two-panel centre opening Plain Panel, Car Operating Panels are Stainless Steel Face Plate, Segmented LCD display Square surface mounted Buttons. The Surface to be finished with- Car Panel & Door SS Finish ,SS Handrail at Rear Side, LED light Provision and Flooring as per Client requirement. .The work to be completed as per design and approval of the Architect, etc. complete. (Rates includes submission of drawing ,lisationing works with ceig and obtaining approval, licence and safety certificate for operations of lift.)	1	Nos.		
	ADD CGST 9 %				
	ADD SGST 9%				
	TOTAL NET VALUE				