

SR. NO.	DESCRIPTION	Unit	Qty.	Rate (Rs.)	Amt. (Rs.)
A	E-OBC HOUSE-BUILDING- MALAD	Nos	0		
1	DISMANTLING & DEMOLISHING WORK	SQM	0		
1.1	Breaking and removing the water proofing layers of I. P. S. with bituminous joints and brick bat concrete over the existing terrace floor, chajja, top of headroom slab and canopy including cement vata and exposing R.C.C. slab top complete.	Sqm	401.00		
1.2	Removing mosaic, cement marble, granites non-slippery, tandur, kotah, shahabad stone or Indian Pattern stone, glazed tiles in flooring and dado including bedding brick bat coba etc., and delivering materials in Ward Office and carting away unserviceable materials.	Sqm	170.00		
1.3	Removing cement plaster of any finish from the wall, complete with racking out the joints to a depth of 20 mm.	Sqm	5028.00		
1.4	Removing and refixing existing door or window with frames and shutters, making good the damaged brick work and applying 3 coats of Syn. Ena. paint.	Nos	20.00		
1.5	Demolishing brick work in lime or cement mortar including plaster, paint, etc. manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	Cum	1.00		
1.6	Removing existing door or windows with frame and shutters and making good etc. to the existing surface.	NOS	0.00		
1.7	Removing existing weather sheds and M.S. Grills carefully and depositing the same with the occupant etc. complete as instructed and directed.	SQM	300.00		
1.8	Re-fixing the removed weather sheds & M.S. Grills with new steel nails(All additional material required for repair /Servicingof the old chajja to be provided by the owner)	SQM	300.00		
2	CONCRETING WORK	Nos	0.00		
	REINFORCEMENT STEEL BAR:- Providing and fixing in position steel bars reinforcement of various diameters for R.C.C. pile, pile caps, footings,raft,retaining wall,shear wall, lift wall, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, pardies, coping, fins, arches, etc. as per detailed designs, drawings and bar bending schedules,including straightening, cutting, bending, hooking the bars, binding with wires or tack welding, supporting as required etc. all complete at all levels.	Nos	0.00		
2.1	Thermo-Mechanically Treated steel bars. (Fe 500 D)	MT	2.00		
2.2	MICRO CONCRETE JACKETING OF WALL:- Providing Ready Mix Micro Concrete jacketing to walls of thickness upto 75 mm using Polymer modified cement premixed quartz sand aggregate packed in bags of standard manufacture, for high early strength of 40 N /mm sq.cm of approved brand. The dry product is to be mixed with 12.5% water by weight, along with washed and poured into rigid form work moulds & tamped properly, & cu red for 3 days. [Payment is to be made by weight premixed of micro concrete product consumed as per site register records. No extra payment shall be made for shuttering or any other material.	Kg	5000.00		

2.3	MICRO CONCRETE JACKETING OF COLUMNS:- Jacketting the existing column of size as shown in the drawing by removing the concrete cover to reinforcement, by chipping or other suitable means to expose the reinforcement of existing column in order to make available the same for binding the extra reinforcement as shown in the drawing and also removal of rust, scales of the reinforcement in order to provide and apply approved make of epoxy resin to get proper bond with newly laid M25 grade concrete. The aforesaid concrete shall be laid by the sides of the existing column with uniform thickness of 115 mm or as specified, for jacketing purposes thereby increasing the sectional dimensions by 150 mm or as specified (excluding MICRO CONCRETE JACKETING OF WALLfinishing) at any height with requisite shuttering, centring, scaffolding, propping, repairing the existing surface as specified and also removal of debris, curing etc. complete as per design and drawing etc. directed. (NOTE :- Reinforcement will be paid separately under respective item of schedule).	CUM	1.00		
2.4	HAMMER DRILL:- Shear Connectors: Make 10/12 mm dia holes using heavy duty electrically operated hammer drills in the concrete of RCC members to a depth of about 75 mm at 500 mm c/c or at suitable grid in zig-zag fashion, clean the holes using air jet and fix pre-fabricated 100 x 50 mm L-shape 8 mm dia rebar using Anti Corrosive protective coating so that 75 mm out of 100 mm is inserted inside the concrete and 25 mm remain outside along with 50 mm bend. The shear connectors are used to tie the additional reinforcement bars.s.	Nos	30.00		
	REINFORCED CEMENT CONCRETE WORK:- Providing and laying in position ready mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying and the cost of centering, shuttering, finishing and excluding reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item. The rate shall include cost of all specified materials and operations at all levels and heights, including the cost of centering, shuttering and excluding reinforcement which shall be paid under relevant item. (Note :- Cement content considered in this item is @ 300 kg/cum as per IS 456 table showing minimum cement content. No extra will be paid nor any amount will recovered on account of variation of cement in mix design as per specifications for controlled concrete).	Nos	0.00		
2.5	Lintels, beams, plinth beams, girders, floor beam, coping.	CUM	4.00		
2.6	Chipping /removing loose concrete upto reinforcement bars, without damaging the reinforcement, removing all the loose materials and to make all the exposed surfaces free from oil, dust and all impurities etc complete.	Sqm	275.00		

2.7	Removing corrosion of steel reinforcement by mechanical means like wire brushing, chipping to remove loose rust and then applying rust removal solution by using brush application, leaving the surface for at least 15 to 30 minutes, then removing loose materials by scrubbing or with brush and applying polymer bond to the old concrete surface before applying Polymer mortar.	Sqm	275.00		
2.8	Providing and applying Ready Mix Polymer modified cement mortar of average thickness 15mm using Polymer in one or more layers in proportion 1:5:15 of Polymer Cement Quartz Sand as manufacturer's specifications in specific layers, curing the surface after 72 hours of application with wet gunny bags etc and by finishing the surface with 12mm thick (1:3) Cement sand plaster.	Sqm	165.00		
2.9	Providing and applying Ready Mix Polymer modified cement mortar of average thickness 30mm using Polymer in two layers in proportion 1:5:15 of Polymer Cement Quartz Sand as manufacturer's specifications in specific layers, curing the surface after 72 hours of application with wet gunny bags etc and by finishing the surface with 12mm thick (1:3) Cement sand plaster.	Sqm	110.00		
2.x	Providing & laying applying Carbon Fiber sheet wrap at structural members including Surface Preparation: Grinding / moulding concrete substrate, cleaning it with wire brush, removing oil, laitance if present, rounding sharp edges to min 25 mm radius etc., complete. a.Profiling: Applying PRIMER on prepared substrate, filling holes and uneven surface with PUTTY etc., complete. b.Wrapping: Wrapping the Glass fibre wrap to structural element at desired orientation using tamping roller to avoid any air voids etc., Repeat the same procedure for multiple layer with interval of 8 hours. c. Sand Pasting: Applying saturant, rectify air voids if any, paste the river sand on it to make surface rough to take any further finishes. d.(Mode of Measurement: Per Sq.Mt of Fiber consume and not application of surface area. e.(Mode of Measurement: Per Sq.Mt of Fiber consume and not application of surface area.)	Sqm	30.00		
2.11	Injection Grouting High Performance Polymer Cement Grout: Providing & injecting high performance non shrink, Anti-washout Polymer Cement Grout per pack of 225gm for 50kg bag of cement as per manufacturer's specifications into honeycombing area / porous concrete with suitable pump at pressure of 2.0 Kg/Cm2 and subsequently cutting /removal of nozzles and sealing of holes with grout etc., complete.This does not include the rate of cement bag. per 50kg bag of cement	Nos	60.00		
2.12	Cement for grouting	MT	3.00		
3	MASONRY WORK	Nos	0.00		
3.1	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) : With F.P.S.(non modular) bricks	Cum	1		
4	PLASTERING WORK	Nos	0.00		

4.1	INTERNAL PLASTER :-Providing and applying 20 mm thick internal plaster with neeru finish at all heights and locations in cement mortar specified below in two coats for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, watering, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. In cement mortar 1:4	Sqm	928.00		
4.2	EXTERNAL PLASTER :-Providing and applying 20 mm thick external sand faced cement plaster with neat cement rendering upto 10m from ground level and at all locations in cement mortar proportion specified below in two coats for masonry (except stone masonry) and concrete surfaces including providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. Min. time lag between two coats shall be 24 hours.(as per IS 2402 of 1963.) In cement mortar 1:3	Sqm	4100.00		
5	Water proofing Work	Nos	0.00		
5.1	Providing the waterproofing treatment as per item no CS-WP-34 but for existing terrace after removing the old brick bat coba, tiling work etc. completely so as to expose the R.C.C. slab surface and cleansing the same. The rate is inclusive of removing the debris from actual place of work to the ground and from there the same will have to be carted away immediately the debris will become contractors property and no extra payment will be made for removing and carting. [Injection treatment shall be given as per item no. CS-WP-45. Providing waterproofing treatment as per Item No.CS-WP-32-a with Broken China mosaic flooring as per design.	Sqm	220.00		
5.2	INJECTION TREATMENTS :-Providing waterproofing treatment through specialized agencies as per their specifications to the flooring of water closets, bathrooms, kitchen, nahanies, washing places, sanitary blocks etc. by giving INJECTIONS with cement solution with water proofing compound into the floor slab so as to make it consistent, homogeneous and impervious against leakage, seepage etc. The sunk portion shall then be covered with brickbat waterproof coba in 1:5 c.s. of required thickness with necessary gradient for easy flow of water. Finally the floor shall be covered with joint less waterproof cement plaster in 1:3 c.s. 12 mm to 15 mm thick finished rough for receiving tiles. The average thickness of complete treatment shall not be less than 100 mm. The soil pan area will not be deducted. (After completion of work leakage test shall be carried out after impounding the water for 7 days without any extra cost. The actual treated area will be measured and paid for).	Sqm	20		

5.3	WATER PROOFING TREETMENT :-Water proofing treatment to the chajja after removing old plaster and roughening the surface and finishing the top surface with 20mm thk.1:2 c.s. plaster with approved water proofing compounds and neat cement finish, the rate also includes for 1:3 c.s. facia of chajja to match the new surface(actual area treated will be paid).	Sqm	150.00		
6	PAINTING WORKS	Nos	0.00		
6.1	OIL BOUND DISTEMPER :-Providing and applying first single coat of approved primer and two coats of acrylic distemper (oil bound distemper) of an approved make and colour as per manufacturers specifications to any surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting with broom by any approved means, etc. complete as directed by Engineer-in-charge.	Sqm	4480.00		
6.2	Dr FIXIT RAINCOAT :-Thoroughly cleaning all external wall surfaces including terrace areas with water jet spray under pressure, removing all fungus/plantation & Application of Application of Two coats of Acrylic Elastomeric water proof coating 'Dr FIXIT RAINCOAT' or equivalent over a base coat of primer of DR FIXIT PRIME SEAL or equivalent over external walls as per manufacturer's Specifications.	Sqm	4250.00		
6.3	SYNTHETIC ENAMEL PAINT :-Providing and applying first single coat of approved primer and two coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to surfaces specifird below, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in- charge.	Sqm	300.00		
6.4	WHITE WASH :-Providing and applying three coats of White/colour wash to any surface with lime wash prepared from quick lime of best quality by adding blue/colour pigments and glue of approved colour, quality in required quantities at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting with broom, coir and sand paper if necessary or by any other approved means etc. complete as directed by Engineer-in-charge.	Sqm	160.00		
7	FLOORING WORK	Nos	0.00		
7.1	CERAMIC TILES :-Providing and laying 8mm thk. ceramic tiles as specified below conforming to I.S.15622-2006 for flooring of an approved, quality, make, size and pattern /design, for flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, neat cement float, cutting, leveling, jointing, filling the joints by neat cement slurry or approved colour grout, curing, finishing etc complete as directed by Engineer In Charge.Dark coloured antiskid / matt ceramic tiles	Sqm	20		

7.2	VITRIFIED TILES:- Providing and laying 600 x 600 x 8 mm thk. vitrified tiles as specified below conforming to I.S.15622-2006 with water absorbtion less than 0.08% for flooring of an approved, quality, make and pattern /design for flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cutting, leveling, jointing, filling the joints by neat cement slurry or approved colour grout, curing, finishing etc complete as directed by Engineer In Charge.Light coloured glazed vitrified tiles	Sqm	107.00		
7.3	CERAMIC TILES:- Providing and fixing 8mm thk. ceramic tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for dado in the dry area including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge. Dark coloured antiskid / matt ceramic tiles	Sqm	63		
8	PLUMBING & SANITATION WORK	Nos	0.00		
8.1	Providing and fixing in position uPVC/SWR (Soil/Waste/Rain) pipe of type-B 110 mm dia. in any position including all fittings and accessories, making joints / connections water tight with solvent cement, scaffolding if necessary and making good the damages if any (excluding excavation and refilling the trenches) etc. complete as specified and directed.(Allfittings and accessories like clamps,etc. should be of same brand. No separate payment shall be made for fittings and accessories).	Rmt	161.00		
8.2	Providing and fixing in position uPVC/SWR pipe 75 mm dia. in any position including all fittings and accessories, making joints / connections water tight with solvent cement, scaffolding if necessary and making good the damages if any (excluding excavation and refilling the trenches) etc. complete as specified and directed.(No seperate payment shall be made for fittings and accessories).	Rmt	230.00		
8.3	50 mm nominal outer dia Pipes	RMT	80.00		
8.4	40 mm nominal outer dia Pipes	RMT	210.00		
8.5	25 mm nominal outer dia Pipes	RMT	90.00		
8.6	20 mm nominal outer dia Pipes	RMT	73.00		
8.7	15 mm nominal outer dia Pipes	RMT	120.00		
8.8	Providing and fixing gun metal gate valve with C.I. wheel of approved	Nos	0.00		
8.9	50 mm nominal bore	NOS	8.00		
8.X	40 mm nominal bore	NOS	8.00		
8.11	TEMPORARY PLUMBING:- Providing and erecting Temporary Plumbing lines with PVC Pipes and fittings (1'6'' /2'0'' away from the external walls or as directed by the Consultants) to facilitate the Repair works in Toilet ducts and dismantling the same after the completion of 2nd coat of External plaster etc complete as instructed and directed.	RMT	226.00		

8.12	Providing and erecting Temporary looping lines of 50mm dia UPVC Pipes and fittings as directed by the Consultants to facilitate the GI looping works and dismantling the same after the completion as instructed and directed.	RMT	75.00		
9	ALUMINIUM WORK	Nos	0.00		
9.1	Providing and fixing in position two track aluminum window of extruded modular and anodized aluminum sections of approved make and of size 61.85 mm x 45.5 mm x 1.3 mm thk (wt 1.055 kg/Rm) for bottom, 61.85 mm x 31.75 mm x 1.3 mm thk. (wt 0.659 kg/Rm) for top & sides, mounted on anodized aluminum rectangular frame of size 63mm x 38mm x 2.0mm(1.054). The shutter comprising of bearing bottom and top of size 40mm x 18 mm x 1.25 mm thk (wt. 0.417 Kg/Rm) Interlocking section of size 40mm x 26,7 mm x 1.10 mm thk. (Wt. 0469 kg./Rm) and hand sides of 40mm x 18mm x 1.25 mm thk(wt.0.417kg/Rm) with 5 mm thick plain / frosted / tinted glass fixed in shutter including approved quality neoprenegasket, fixtures, fastenings and accessories like PVC rollers, PVC weep holes, locks, handles etc. complete as directed by Engineer In Charge. (Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)	SQM	28.00		
9.2	Providing & fixing in position aluminum louvered window with anodised aluminum frame of approved make & of size 40mm x 20mm x 2.0mm (wt. 0.605 kg/Rm) including adjustable aluminum frame, 4 to 6mm thk. frosted glass, fixtures & fastenings etc. complete as directed by by Engineer In Charge.	SQM	7.00		
10	FRP WORK	Nos	0.00		
10.1	Providing and Fixing to frames 30mm thick Fiber glass Reinforced Plastic (F.R.P.) flush door shutter in different plain and wood finish made with fireretardantgrade unsaturated polyesterresin, mouldedto 3mmthic kFRP laminateallaround,withsuitablewoodenblocksinside atrequired placs for fixing offitting sandpolyurethane foam (PUF)/ Polystyrene foamto beusedas fillermaterial throughout thehollow panel, caste dmonolithically witthe stingparametersof F.R.P.laminate conforming to table - 3 of IS: 14856 : 2000 etc complete as directed.	SQM	10.00		
11	MISC WORK	Nos	0.00		
11.1	Providing and fixing in vertical position telescopic M.S.prop under deflected beam/lintel/slab/chajjas by using teak wood battens of size 1000 x 80 x 80 for packing between prop plate and the beam/lintel/slab/chajjas bottom surface as per the directions of engineer-in-charge	NOS	10		
A1	E-OBC HOUSE - MALAD PUMP HOUSE + PAVING AREA + ELECTRICAL ROOM + FANCING + COMMON AREA, ETC	Nos	0.00		
1	DISMANTLING & DEMOLISHING WORK	Nos	0.00		

1.1	Breaking and removing the water proofing layers of I. P. S. with bituminous joints and brick bat concrete over the existing terrace floor, chajja, top of headroom slab and canopy including cement vata and exposing R.C.C. slab top complete.	Sqm	7.00		
1.2	Removing mosaic, cement marble, granites non-slippery, tandur, kotah, shahabad stone or Indian Pattern stone, glazed tiles in flooring and dado including bedding brick bat coba etc., and delivering materials in Ward Office and carting away unserviceable materials.	Sqm	105.00		
1.3	Removing cement plaster of any finish from the wall, complete with racking out the joints to a depth of 20 mm.	Sqm	320.00		
1.4	Removing and refixing existing door or window with frames and shutters, making good the damaged brick work and applying 3 coats of Syn. Ena. paint.	Nos	1.00		
1.5	Demolishing brick work in lime or cement mortar including plaster, paint, etc. manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	Cum	1.00		
1.6	Removing existing door or windows with frame and shutters and making good etc. to the existing surface.	NOS	7.00		
1.7	"Dismantling steel work in built up sections in angles, tees, flats and channels of rolling shutters, grills, gates, fencing, hoardings, including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50metres lead.	KG	500.00		
2	MASONRY WORK	Nos	0.00		
2.1	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :	Nos	0.00		
2.2	With F.P.S.(non modular) bricks	Cum	1		
3	PLASTERING WORK	Nos	0.00		
3.1	INTERNAL PLASTER:- Providing and applying 20 mm thick internal plaster with neeru finish at all heights and locations in cement mortar specified below in two coats for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, watering, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. In cement mortar 1:4	Sqm	50.00		
3.2	EXTERNAL PLASTER:- Providing and applying 20 mm thick external sand faced cement plaster with neat cement rendering upto 10m from ground level and at all locations in cement mortar proportion specified below in two coats for masonry (except stone masonry) and concrete surfaces including providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. Min. time lag between two coats shall be 24 hours.(as per IS 2402 of 1963.)In cement mortar 1:3	Sqm	270.00		
4	PAINTING WORKS	Nos	0.00		

4.1	<u>OIL BOUND DISTEMPER:-</u> Providing and applying first single coat of approved primer and two coats of acrylic distemper (oil bound distemper) of an approved make and colour as per manufacturers specifications to any surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting with broom by any approved means, etc. complete as directed by Engineer-in-charge.	Sqm	50.00		
4.2	<u>ANTI -FUNGAL, ANTI-ALGAL EXTERIOR PAINT:-</u> Providing and applying first single coat of approved primer and two coats of anti-algal, anti-fungal, exterior paint as specified below of an approved make and colour as per manufacturers specifications to any surface, upto 10m height from ground level and at all locations as directed including preparing surfaces for painting by any approved means, scaffolding, cleaning and curing etc. complete as directed by Engineer-in-charge. By using acrylic based exterior paint Notes: 1) All the rates are include all necessary conveyance and delivery, handling, unloading, storing, fabrication, hoisting, scaffolding, lead, lift, all labour for finishing to required shape and size, setting, fitting and fixing in position, straight cutting and waste, return of package and other incidental operations.	Sqm	270.00		
4.3	<u>SYNTHETIC ENAMEL PAINT:-</u> Providing and applying first single coat of approved primer and two coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to surfaces specifird below, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in- charge.	Sqm	180.00		
5	ALUMINIUM WORK	Nos	0.00		
5.1	Providing and fixing in position two track aluminum window of extruded modular and anodized aluminum sections of approved make and of size 61.85 mm x 45.5 mm x 1.3 mm thk (wt 1.055 kg/Rm) for bottom, 61.85 mm x 31.75 mm x 1.3 mm thk. (wt 0.659 kg/Rm) for top & sides, mounted on anodized aluminum rectangular frame of size 63mm x 38mm x 2.0mm(1.054). The shutter comprising of bearing bottom and top of size 40mm x 18 mm x 1.25 mm thk (wt. 0.417 Kg/Rm) Interlocking section of size 40mm x 26,7 mm x 1.10 mm thk. (Wt. 0469 kg./Rm) and hand sides of 40mm x 18mm x 1.25 mm thk(wt.0.417kg/Rm) with 5 mm thick plain / frosted / tinted glass fixed in shutter including approved quality neoprenegasket, fixtures, fastenings and accessories like PVC rollers, PVC weep holes, locks, handles etc. complete as directed by Engineer In Charge. (Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)	SQM	3.00		
6	FRP WORK	Nos	0.00		

6.1	Providing and Fixing to frames 30mm thick Fiber glass Reinforced Plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3mm thick kFRP laminate all around, with suitable wooden blocks inside at required places for fixing of fitting sand polyurethane foam (PUF)/ Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with the same parameters of F.R.P. laminate conforming to table - 3 of IS: 14856 : 2000 etc complete as directed.	SQM	7.00		
7	STRUCTURAL STEEL	Nos	0.00		
7.1	Providing, detailing, composite fabricating members like Trusses, N-girders, girders, bracings, supports, purlins, runners, and similar structural steel members fabricated using M.S. hollow tubular steel sections (circular & rectangular pipes), of TATA Structural Make or equivalent conforming to IS 1239 part 1 and 2 and of grade Fe 250 as per specifications and approved fabrication drawings (which are to be prepared by Contractor and got approved from Engineer), including transportation of the same to site, erection of structural steel members for all heights & at all levels, provision of necessary erection bolts, fixing bolts, nuts, washers, cleats, stiffeners, gussets, base plate, and all necessary operations like preheating as per specifications, straightening, bending, cutting, drilling, grinding, machining if specified, welding, grinding, removing the welding burr and preparing surface for painting with wire brush cleaning and applying two coats of epoxy red oxide zinc phosphate primer of 30 microns each and two coats of Epoxy Corrosion Resistant Enamel paint of 30 microns after fabrication including touching up with spray painting after erection etc complete as directed by Engineer In Charge.	MT	0.50		
8	WOOD WORK	Nos	0.00		
8.1	Providing and fixing superior quality single leaf B.W.P. grade solid core flush door shutters of standard make conforming to IS:2202- 1991 (Part I & II) including one coat of primer, putty and 2 coats of synthetic enamel paint on both faces etc. with 12 mm thick teak wood lipping all around all around etc. complete (Hinges, aldrops & standard door hardware to be paid separately) 25mm thick shutter	SQM	3.00		
9	DRAINAGE WORK	Nos	0.00		
9.1	R2-CS-PS-164 Providing and laying cement concrete 1:4:8 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :	Nos	0.00		
9.2	R2-CS-PS-164-b 150 mm diameter S.W. pipe	Rmt	10.00		
9.3	R2-CS-PS-164-c 200 mm diameter S.W. pipe	Rmt	100.00		

9.4	Constructing brick masonry inspection chamber rectangular 0.9M x 0.45M and 0.6M deep on sewer with 230mm brick walls in cement mortar 1:3 plastered both inside & outside with 20 mm thick cement mortar 1:2 and neat cement rendering so as to give a smooth surface including 230mm cement concrete bedding (M 15) and cement concrete (M 15) in haunches and channels finished smooth with 20 mm thick cement mortar (1:1) and fixing C.I. extra heavy duty airtight rectangular frame & cover of size 0.9M x 0.45M weighing minimum 225Kg, resting on 300 mm high c.c. cap M 20 with (1:1) cement plaster on both the sides & necessary C.I. steps (weighing 5.4 kg each) staggered at 300mm c/c. including 75 mm wide vata all round the external portion of the chamber and the foundation concrete in C.M. 1:1 etc. complete as per plan in Dy.Ch.E.(SP)P&Ds office (without excavation) .	NOS	10.00		
9.5	Supplying and fixing C.I. cover 300x300 mm without frame for gully trap (standard pattern) the weight of cover to be not less than 4.5 kg	NOS	6.00		
9.6	Providing & fixing new chequered tiles of approved make, size & quality including necessary bedding material etc.as instructed and directed by consultants	SQM	400.00		
9.7	Removing/ Redoing IPS treatment (IPS FINISH) over UNDER GROUND WATER TANK TOP & PUMP ROOM METER ROOM	SQM	11.00		
9.8	Removing existing Broken/damaged Glass glazing and providing new Float glass paneL 4 mm thick glass pane etc all complete in staircase areas as instructed and directed.	SQM	20.00		
9.9	Providing and laying polished natural stone as specified below (Machine cut) of an approved quality and size for paving /flooring in plain and/or diamond /approved pattern including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, machine cutting, dressing, leveling, jointing, filling the joints with neat cement slurry or with required pigment, machine polishing at site, curing, finishing, etc complete as directed by Engineer In Charge. 18 mm thk. Lakha Red Granite tiles/slab	SQM	10.00		
9.X	Nominal Mix of 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	CUM	14.00		
10	XXXX	Nos	0.00		
B	E-OBC ASHIANA -BUILDING- MALAD	Nos	0.00		
1	DISMANTLING & DEMOLISHING WORK	Nos	0.00		
1.1	Breaking and removing the water proofing layers of I. P. S. with bituminous joints and brick bat concrete over the existing terrace floor, chajja, top of headroom slab and canopy including cement vata and exposing R.C.C. slab top complete.	Sqm	406.00		
1.2	Removing mosaic, cement marble, granites non-slippery, tandur, kotah, shahabad stone or Indian Pattern stone, glazed tiles in flooring and dado including bedding brick bat coba etc., and delivering materials in Ward Office and carting away unserviceable materials.	Sqm	297.00		
1.3	Removing cement plaster of any finish from the wall, complete with racking out the joints to a depth of 20 mm.	Sqm	4191.00		

1.4	Removing and refixing existing door or window with frames and shutters, making good the damaged brick work and applying 3 coats of Syn. Ena. paint.	Nos	20.00		
1.5	Demolishing brick work in lime or cement mortar including plaster, paint, etc. manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	Cum	1.00		
1.6	<u>Removing existing weather sheds and M.S. Grills</u> carefully and depositing the same with the occupant etc. complete as instructed and directed.	SQM	270.00		
1.7	<u>Re-fixing the removed weather sheds & M.S. Grills</u> with new steel nails(All additional material required for repair /Servicingof the old chajja to be provided by the owner)	SQM	270.00		
2	CONCRETING WORK	Nos	0		
2.1	<u>REINFORCED STEEL BAR:-</u> Providing and fixing in position steel bars reinforcement of various diameters for R.C.C. pile, pile caps, footings,raft,retaining wall,shear wall, lift wall, foundations, slabs, beams, columns, canopies, staircases, newels, chajjas, lintels, pardies, coping, fins, arches, etc. as per detailed designs, drawings and bar bending schedules,including straightening, cutting, bending, hooking the bars, binding with wires or tack welding, supporting as required etc. all complete at all levels. Thermo-Mechanically Treated steel bars. (Fe 500 D)	MT	6		
2.2	<u>MICRO CONCRETE JACKETING OF WALLS:-</u> Providing Ready Mix Micro Concrete jacketing to walls of thickness upto 75 mm using Polymer modified cement premixed quartz sand aggregate packed in bags of standard manufacture, for high early strength of 40 N /mm sq.cm of approved brand. The dry product is to be mixed with 12.5% water by weight, along with washed and poured into rigid form work moulds & tamped properly, & cu red for 3 days. [Payment is to be made by weight premixed of micro concrete product consumed as per site register records. No extra payment shall be made for shuttering or any other material.	Kg	8100.00		
2.3	<u>MICRO JACKETING OF COLUMNS:-</u> Jacketting the existing column of size as shown in the drawing by removing the concrete cover to reinforcement, by chipping or other suitable means to expose the reinforcement of existing column in order to make available the same for binding the extra reinforcement as shown in the drawing and also removal of rust, scales of the reinforcement in order to provide and apply approved make of epoxy resin to get proper bond with newly laid M25 grade concrete. The aforesaid concrete shall be laid by the sides of the existing column with uniform thickness of 115 mm or as specified, for jacketing purposes thereby increasing the sectional dimensions by 150 mm or as specified (excluding finishing) at any height with requisite shuttering, centring, scaffolding, proping, repairing the existing surface as specified and also removal of debris, curing etc. complete as per design and drawing etc. directed. (NOTE :- Reinforcement will be paid separately under respective item of schedule).	CUM	5.00		

2.4	HAMMER DRILL:- Shear Connectors: Make 10/12 mm dia holes using heavy duty electrically operated hammer drills in the concrete of RCC members to a depth of about 75 mm at 500 mm c/c or at suitable grid in zig-zag fashion, clean the holes using air jet and fix pre-fabricated 100 x 50 mm L-shape 8 mm dia rebar using Anti Corrosive protective coating so that 75 mm out of 100 mm is inserted inside the concrete and 25 mm remain outside along with 50 mm bend. The shear connectors are used to tie the additional reinforcement bars.s.	Nos	80.00		
2.5	REINFORCED CEMENT CONCRETE WORK:- Providing and laying in position ready mixed design mix M-20 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying and the cost of centering, shuttering, finishing and excluding reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. The Mix design as per particular specifications shall be got approved by Engineer-in-Charge before execution of the item. The rate shall include cost of all specified materials and operations at all levels and heights, including the cost of centering, shuttering and and excluding reinforcement which shall be paid under relevant item. (Note :- Cement content considered in this item is @ 300 kg/cum as per IS 456 table showing minimum cement content. No extra will be paid nor any amount will recovered on account of variation of cement in mix design as per specifications for controlled concrete). Lintels, beams, plinth beams, girders, floor beam, coping.	CUM	2.00		
2.6	Chipping /removing loose concrete upto reinforcement bars, without damaging the reinforcement, removing all the loose materials and to make all the exposed surfaces free from oil, dust and all impurities etc complete.	Sqm	650.00		
2.7	Removing corrosion of steel reinforcement by mechanical means like wire brushing, chipping to remove loose rust and then applying rust removal solution by using brush application, leaving the surface for at least 15 to 30 minutes, then removing loose materials by scrubbing or with brush and applying polymer bond to the old concrete surface before applying Polymer mortar.	Sqm	650.00		
2.8	Providing and applying Ready Mix Polymer modified cement mortar of average thickness 15mm using Polymer in one or more layers in proportion 1:5:15 of Polymer Cement Quartz Sand as manufacturer's specifications in specific layers, curing the surface after 72 hours of application with wet gunny bags etc and by finishing the surface with 12mm thick (1:3) Cement sand plaster.	Sqm	390.00		

2.9	Providing and applying Ready Mix Polymer modified cement mortar of average thickness 30mm using Polymer in two layers in proportion 1:5:15 of Polymer Cement Quartz Sand as manufacturer's specifications in specific layers, curing the surface after 72 hours of application with wet gunny bags etc and by finishing the surface with 12mm thick (1:3) Cement sand plaster.	Sqm	260.00		
2.X	Providing & laying applying Carbon Fiber sheet wrap at structural members including Surface Preparation: Grinding / moulding concrete substrate, cleaning it with wire brush, removing oil, laitance if present, rounding sharp edges to min 25 mm radius etc., complete. a.Profiling: Applying PRIMER on prepared substrate, filling holes and uneven surface with PUTTY etc., complete. b.Wrapping: Wrapping the Glass fibre wrap to structural element at desired orientation using tamping roller to avoid any air voids etc., Repeat the same procedure for multiple layer with interval of 8 hours. c. Sand Pasting: Applying saturant, rectify air voids if any, paste the river sand on it to make surface rough to take any further finishes. d.(Mode of Measurement: Per Sq.Mt of Fiber consume and not application of surface area. e.(Mode of Measurement: Per Sq.Mt of Fiber consume and not application of surface area.)	Sqm	50.00		
2.11	Injection Grouting High Performance Polymer Cement Grout: Providing & injecting high performance non shrink, Anti-washout Polymer Cement Grout per pack of 225gm for 50kg bag of cement as per manufacturer's specifications into honeycombing area / porous concrete with suitable pump at pressure of 2.0 Kg/Cm2 and subsequently cutting /removal of nozzles and sealing of holes with grout etc., complete.This does not include the rate of cement bag.	per 50kg bag of cement	160.00		
2.12	Cement for grouting	MT	8.00		
3	MASONRY WORK	Nos	0.00		
3.1	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :With F.P.S.(non modular) bricks	Cum	1		
4	PLASTERING WORK	Nos	0.00		
4.1	INTERNAL PLASTER :-Providing and applying 20 mm thick internal plaster with neeru finish at all heights and locations in cement mortar specified below in two coats for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, watering, finishing, curing, scaffolding etc complete as directed By Engineer In Charge.In cement mortar 1:4	Sqm	959		

4.2	EXTERNAL PLASTER :-Providing and applying 20 mm thick external sand faced cement plaster with neat cement rendering upto 10m from ground level and at all locations in cement mortar proportion specified below in two coats for masonry (except stone masonry) and concrete surfaces including providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. Min. time lag between two coats shall be 24 hours.(as per IS 2402 of 1963.)In cement mortar 1:3	Sqm	3232		
5	Water proofing Work	Nos	0.00		
5.1	Providing the waterproofing treatment as per item no CS-WP-34 but for existing terrace after removing the old brick bat coba, tiling work etc. completely so as to expose the R.C.C. slab surface and cleansing the same. The rate is inclusive of removing the debris from actual place of work to the ground and from there the same will have to be carted away immediately the debris will become contractors property and no extra payment will be made for removing and carting. [Injection treatment shall be given as per item no. CS-WP-45: Providing waterproofing treatment as per Item No.CS-WP-32-a with Broken China mosaic flooring as per design.	Sqm	278.00		
5.2	Providing waterproofing treatment through specialized agencies as per their specifications to the flooring of water closets, bathrooms, kitchen, nahanies, washing places, sanitary blocks etc. by giving INJECTIONS with cement solution with water proofing compound into the floor slab so as to make it consistent, homogeneous and impervious against leakage, seepage etc. The sunk portion shall then be covered with brickbat waterproof coba in 1:5 c.s. of required thickness with necessary gradient for easy flow of water. Finally the floor shall be covered with joint less waterproof cement plaster in 1:3 c.s. 12 mm to 15 mm thick finished rough for receiving tiles. The average thickness of complete treatment shall not be less than 100 mm. The soil pan area will not be deducted. (After completion of work leakage test shall be carried out after impounding the water for 7 days without any extra cost. The actual treated area will be measured and paid for).	Sqm	20		
5.3	Water proofing treatment to the chajja after removing old plaster and roughening the surface and finishing the top surface with 20mm thk.1:2 c.s. plaster with approved water proofing compounds and neat cement finish, the rate also includes for 1:3 c.s. facia of chajja to match the new surface(actual area treated will be paid).	Sqm	108.00		
6	PAINTING WORKS	Nos	0.00		

6.1	OIL BOUND DISTEMPER :-Providing and applying first single coat of approved primer and two coats of acrylic distemper (oil bound distemper) of an approved make and colour as per manufacturers specifications to any surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting with broom by any approved means, etc. complete as directed by Engineer-in-charge.	Sqm	4642.00		
6.2	'Dr FIXIT RAINCOAT' :-Thoroughly cleaning all external wall surfaces including terrace areas with water jet spray under pressure , removing all fungus/plantation & Application of Application of Two coats of Acrylic Elastomeric water proof coating 'Dr FIXIT RAINCOAT' or equivalent over a base coat of primer of DR FIXIT PRIME SEAL or equivalent over external walls as per manufacturer's Specifications.	Sqm	3340.00		
6.3	SYNTHETIC ENAMEL PAINT :-Providing and applying first single coat of approved primer and two coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to surfaces specifird below, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in- charge.	Sqm	1170.00		
6.4	WHITE WASH :-Providing and applying three coats of White/colour wash to any surface with lime wash prepared from quick lime of best quality by adding blue/colour pigments and glue of approved colour, quality in required quantities at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting with broom, coir and sand paper if necessary or by any other approved means etc. complete as directed by Engineer-in-charge.	Sqm	152.00		
7	FLOORING WORK	Nos	0.00		
7.1	CERAMIC TILES :-Providing and laying 8mm thk. ceramic tiles as specified below conforming to I.S.15622-2006 for flooring of an approved, quality, make, size and pattern /design, for flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, neat cement float, cutting, leveling, jointing, filling the joints by neat cement slurry or approved colour grout, curing, finishing etc complete as directed by Engineer In Charge. Light coloured antiskid / matt ceramic tiles	Sqm	20		
7.2	VITRIFIED TILES :-Providing and laying 600 x 600 x 8 mm thk. vitrified tiles as specified below conforming to I.S.15622-2006 with water absorbtion less than 0.08% for flooring of an approved, quality, make and pattern /design for flooring including cement mortar bedding of 25 mm thick in 1:4 proportion, cutting, leveling, jointing, filling the joints by neat cement slurry or approved colour grout, curing, finishing etc complete as directed by Engineer In Charge. Light coloured glazed vitrified tiles	Sqm	211.00		

35	CERAMIC TILES :-Providing and fixing 8mm thk. ceramic tiles as specified below conforming to I.S. 15622-2006 of approved quality, pattern and colour for dado in the dry area including preparing the surface and levelling in the desired line, backing of 20 thk. cement mortar in porportion 1:3, square cut top edge or chamfered top edge in cement mortar 1:3, cement float, machine cutting, leveling, jointing, filling the joints with neat cement slurry or approved colour grout, finishing, curing etc complete as directed by Engineer In Charge.Dark coloured antiskid / matt ceramic tiles	Sqm	86		
8	PLUMBING & SANITATION WORK	Nos	0.00		
8.1	Providing and fixing in position uPVC/SWR (Soil/Waste/Rain) pipe of type-B 110 mm dia. in any position including all fittings and accessories, making joints / connections water tight with solvent cement, scaffolding if necessary and making good the damages if any (excluding excavation and refilling the trenches) etc. complete as specified and directed.(Allfittings and accessories like clamps,etc. should be of same brand. No separate payment shall be made for fittings and accessories).	Rmt	264.00		
8.2	Providing and fixing in position uPVC/SWR pipe 75 mm dia. in any position including all fittings and accessories, making joints / connections water tight with solvent cement, scaffolding if necessary and making good the damages if any (excluding excavation and refilling the trenches) etc. complete as specified and directed.(No separte payment shall be made for fittings and accessories).	Rmt	282.00		
9	Providing and fixing G.I. pipes complete with G.I. fittings including	Nos	0.00		
9.1	50 mm nominal outer dia Pipes	RMT	130.00		
9.2	40 mm nominal outer dia Pipes	RMT	240.00		
9.3	25 mm nominal outer dia Pipes	RMT	170.00		
9.4	20 mm nominal outer dia Pipes	RMT	20.00		
9.5	15 mm nominal outer dia Pipes	RMT	86.00		
10	Providing and fixing gun metal gate valve with C.I. wheel of approved	Nos	0.00		
10.1	50 mm nominal bore	NOS	9.00		
10.2	40 mm nominal bore	NOS	16.00		
10.3	Providing and erecting Temporary Plumbing lines with PVC Pipes and fittings (1'6'' /2'0'' away from the external walls or as directed by the Consultants) to facilitate the Repair works in Toilet ducts and dismantling the same after the completion of 2nd coat of External plaster etc complete as instructed and directed.	RMT	510.00		
10.4	Providing and erecting Temporary looping lines of 50mm dia UPVC Pipes and fittings as directed by the Consultants to facilitate the GI looping works and dismantling the same after the completion as instructed and directed.	RMT	182.00		
11	ALUMINIUM WORK	Nos	0.00		

11.1	Providing and fixing in position two track aluminum window of extruded modular and anodized aluminum sections of approved make and of size 61.85 mm x 45.5 mm x 1.3 mm thk (wt 1.055 kg/Rm) for bottom, 61.85 mm x 31.75 mm x 1.3 mm thk. (wt 0.659 kg/Rm) for top & sides, mounted on anodized aluminum rectangular frame of size 63mm x 38mm x 2.0mm(1.054). The shutter comprising of bearing bottom and top of size 40mm x 18 mm x 1.25 mm thk (wt. 0.417 Kg/Rm) Interlocking section of size 40mm x 26,7 mm x 1.10 mm thk. (Wt. 0469 kg./Rm) and hand sides of 40mm x 18mm x 1.25 mm thk(wt.0.417kg/Rm) with 5 mm thick plain / frosted / tinted glass fixed in shutter including approved quality neoprenegasket, fixtures, fastenings and accessories like PVC rollers, PVC weep holes, locks, handles etc. complete as directed by Engineer In Charge. (Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)	SQM	34.00		
11.2	Providing & fixing in position aluminum louvered window with anodised aluminum frame of approved make & of size 40mm x 20mm x 2.0mm (wt. 0.605 kg/Rm) including adjustable aluminum frame, 4 to 6mm thk. frosted glass, fixtures & fastenings etc. complete as directed by by Engineer In Charge.	SQM	14.00		
12	FRP WORK	Nos	0.00		
12.1	Providing and Fixing to frames 30mm thick Fiber glass Reinforced Plastic (F.R.P.) flush door shutter in different plain and wood finish made with fireretardantgrade unsaturated polyesterresin, mouldedto 3mmthick kFRP laminateallaround,withsuitablewoodenblocksinside atrequired places for fixing offitting sandpolyurethane foam (PUF)/ Polystyrene foamto beusedas fillermaterial throughout thehollow panel, caste dmonolithically withthe stingparametersof F.R.P.laminate conforming to table - 3 of IS: 14856 : 2000 etc complete as directed.	SQM	10.00		
12	MISC WORK	Nos	0.00		
12.1	Providing and fixing in vertical position telescopic M.S.prop under deflected beam/lintel/slab/chajjas by using teak wood battens of size 1000 x 80 x 80 for packing between prop plate and the beam/lintel/slab/chajjas bottom surface as per the directions of engineer-in-charge	NOS	25		
B1	E-OBC ASHIANA- MALAD PUMP HOUSE + PAVING AREA + ELECTRICAL ROOM + FANCING + COMMON AREA, ETC	Nos	0.00		
1	DISMANTLING & DEMOLISHING WORK	Nos	0.00		
1.1	Breaking and removing the water proofing layers of I. P. S. with bituminous joints and brick bat concrete over the existing terrace floor, chajja, top of headroom slab and canopy including cement vata and exposing R.C.C. slab top complete.	Sqm	6.00		

1.2	Removing mosaic, cement marble, granites non-slippery, tandur, kotah, shahabad stone or Indian Pattern stone, glazed tiles in flooring and dado including bedding brick bat coba etc., and delivering materials in Ward Office and carting away unserviceable materials.	Sqm	15.00		
1.3	Removing cement plaster of any finish from the wall, complete with racking out the joints to a depth of 20 mm.	Sqm	390.00		
1.4	Removing and refixing existing door or window with frames and shutters, making good the damaged brick work and applying 3 coats of Syn. Ena. paint.	Nos	7.00		
1.5	Demolishing brick work in lime or cement mortar including plaster, paint, etc. manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	Cum	1.00		
1.6	Removing existing door or windows with frame and shutters and making good etc. to the existing surface.	NOS	0.00		
1.7	"Dismantling steel work in built up sections in angles, tees, flats and channels of rolling shutters, grills, gates, fencing, hoardings, including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50metres lead.	KG	1000.00		
2	MASONRY WORK	Nos	0.00		
2.1	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level upto floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :With F.P.S.(non modular) bricks	Cum	1		
3	PLASTERING WORK	Nos	0.00		
3.1	INTERNAL PLASTER:- Providing and applying 20 mm thick internal plaster with neeru finish at all heights and locations in cement mortar specified below in two coats for masonry (except stone masonry) and concrete surfaces including racking out joints, hacking of concrete surface, watering, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. In cement mortar 1:4	Sqm	50		
3.2	EXTERNAL PLASTER:- Providing and applying 20 mm thick external sand faced cement plaster with neat cement rendering upto 10m from ground level and at all locations in cement mortar proportion specified below in two coats for masonry (except stone masonry) and concrete surfaces including providing water proofing compound to the first coat of plaster as per manufacturers specification, racking out joints, hacking of concrete surface, finishing, curing, scaffolding etc complete as directed By Engineer In Charge. Min. time lag between two coats shall be 24 hours.(as per IS 2402 of 1963.) In cement mortar 1:3	Sqm	340		
4	PAINTING WORK	Nos	0.00		

4.1	OIL BOUND DISTEMPER :-Providing and applying first single coat of approved primer and two coats of acrylic distemper (oil bound distemper) of an approved make and colour as per manufacturers specifications to any surface, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting with broom by any approved means, etc. complete as directed by Engineer-in-charge.	Sqm	50.00		
4.2	ANTI-ALGAL, ANTI-FUNGAL EXTERIOR PAINT :-Providing and applying first single coat of approved primer and two coats of anti-algal, anti-fungal, exterior paint as specified below of an approved make and colour as per manufacturers specifications to any surface, upto 10m height from ground level and at all locations as directed including preparing surfaces for painting by any approved means, scaffolding, cleaning and curing etc. complete as directed by Engineer-in-charge. By using acrylic based exterior paint Notes: 1) All the rates are include all necessary conveyance and delivery, handling, unloading, storing, fabrication, hoisting, scaffolding, lead, lift, all labour for finishing to required shape and size, setting, fitting and fixing in position, straight cutting and waste, return of package and other incidental operations.	Sqm	340.00		
4.3	SYNTHETIC ENAMEL PAINT :-Providing and applying first single coat of approved primer and two coats of synthetic enamel paint/flat oil paint of an approved make and colour as per manufacturers specifications to surfaces specifird below, at all height and locations as directed including scaffolding, cleaning and preparing surfaces for painting by any approved means etc. complete as directed by Engineer-in- charge.	Sqm	110.00		
5	ALUMINIUM WORK	Nos	0.00		
5.1	Providing and fixing in position two track aluminum window of extruded modular and anodized aluminum sections of approved make and of size 61.85 mm x 45.5 mm x 1.3 mm thk (wt 1.055 kg/Rm) for bottom, 61.85 mm x 31.75 mm x 1.3 mm thk. (wt 0.659 kg/Rm) for top & sides, mounted on anodized aluminum rectangular frame of size 63mm x 38mm x 2.0mm(1.054). The shutter comprising of bearing bottom and top of size 40mm x 18 mm x 1.25 mm thk (wt. 0.417 Kg/Rm) Interlocking section of size 40mm x 26,7 mm x 1.10 mm thk. (Wt. 0469 kg./Rm) and hand sides of 40mm x 18mm x 1.25 mm thk(wt.0.417kg/Rm) with 5 mm thick plain / frosted / tinted glass fixed in shutter including approved quality neoprenegasket, fixtures, fastenings and accessories like PVC rollers, PVC weep holes, locks, handles etc. complete as directed by Engineer In Charge. (Note: anodic film must not be less than 15 microns i.e. AC-15 as per IS, the anodizing must be scaleted by keeping the anodized section in boiling de-anodized water for a period of one hour)	SQM	1.50		
6	FRP WORK	Nos	0.00		

6.1	Providing and Fixing to frames 30mm thick Fiber glass Reinforced Plastic (F.R.P.) flush door shutter in different plain and wood finish made with fireretardantgrade unsaturated polyesterresin, mouldedto 3mmthick kFRP laminateallaround,withsuitablewoodenblocksinside atrequired places for fixing offitting sandpolyurethane foam (PUF)/ Polystyrene foamto beusedas fillermaterial throughout thehollow panel, caste dmonolithically withthe stingparametersof F.R.P.laminate conforming to table - 3 of IS: 14856 : 2000 etc complete as directed.	SQM	5.00		
7	STRUCTURAL WORK	Nos	0.00		
7.1	Providing, detailing, composite fabricating members like Trusses, N-girders, girders, bracings, supports, purlins, runners, and similar structural steel members fabricated using M.S. hollow tubular steel sections (circular & rectangular pipes), of TATA Structura Make or equivalent conforming to IS 1239 part 1 and 2 and of grade Fe 250 as per specifications and approved fabrication drawings (which are to be prepared by Contractor and got approved from Engineer), including transportation of the same to site, erection of structural steel members for all heights & at all levels, provision of necessary erection bolts, fixing bolts, nuts, washers, cleats, stiffeners, gussets, base plate, and all necessary operations like preheating as per specifications, straightening, bending, cutting, drilling, grinding, machining if specified, welding, grinding, removing the welding burr and preparing surface for painting with wire brush cleaning and applying two coats of epoxy red oxide zinc phosphate primer of 30 microns each and two coats of Epoxy Corrosion Resistant Enamel paint of 30 microns after fabrication including touching up with spray painting after erection etc complete as directed by Engineer In Charge.	MT	1.00		
7.2	Providing, detailing, and fabricating as per specifications, transporting to site and erecting MS Openable / Sliding / Ornamental Entrance Gates including track and wheel, locking arrangement, fixing bolts, nuts, washers, cleats, stiffeners, gussets decorative balusters, arrow heads etc. and all necessary operations like straightening, bending, cutting, drilling, grinding, machining if specified, welding etc. complete weighing 60 to 65 kg/Sqm, including cleaning, Grinding and removing the welding burr and preparing surface and applying one coat of red oxide zinc chromate primer and one coat of Synthetic Enamel paint after fabrication and second coat of Synthetic Enamel paint after erection, with approved colour, shade and brand etc. including touching up with primer etc. complete as directed by Engineer In Charge.	SQM	6.00		
8	WOOD WORK	Nos	0.00		
8.1	Providing and fixing superior quality single leaf B.W.P. grade solid core flush door shutters of standard make conforming to IS:2202- 1991 (Part I & II) including one coat of primer, putty and 2 coats of synthetic enamel paint on both faces etc. with 12 mm thk teak wood lipping all around all around etc. complete (Hinges, aldop & standard door hardware to be paid separately) 25mm thick shutter	SQM	5.00		
9	DRAINAGE WORK	Nos	0.00		

9.2	R2-CS-PS-164 Providing and laying cement concrete 1:4:8 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :				
9.3	R2-CS-PS-164-b 150 mm diameter S.W. pipe	Rmt	20.00		
9.4	R2-CS-PS-164-c 200 mm diameter S.W. pipe	Rmt	150.00		
9.5	Constructing brick masonry inspection chamber rectangular 0.9M x 0.45M and 0.6M deep on sewer with 230mm brick walls in cement mortar 1:3 plastered both inside & outside with 20 mm thick cement mortar 1:2 and neat cement rendering so as to give a smooth surface including 230mm cement concrete bedding (M 15) and cement concrete (M 15) in haunches and channels finished smooth with 20 mm thick cement mortar (1:1) and fixing C.I. extra heavy duty airtight rectangular frame & cover of size 0.9M x 0.45M weighing minimum 225Kg. resting on 300 mm high c.c. cap M 20 with (1:1) cement plaster on both the sides & necessary C.I. steps (weighing 5.4 kg each) staggered at 300mm c/c. including 75 mm wide vata all round the external portion of the chamber and the foundation concrete in C.M. 1:1 etc. complete as per plan in Dy.Ch.E.(SP)P&Ds office (without excavation) .	NOS	12.00		
9.6	Supplying and fixing C.I. cover 300x300 mm without frame for gully trap (standard pattern) the weight of cover to be not less than 4.5 kg	NOS	10.00		
9.7	Removing damaged chequered tiles & Providing & fixing new chequered tiles of approved make, size & quality including necessary bedding material etc.(NEED BASED REPLACEMENT CONSIDERED)	SQM	200.00		
9.8	Providing & fixing new MS weather shed with all required in pump room as per consultants design and instructions.	SQM	2.00		
9.9	Removing/ Redoing IPS treatment (IPS FINISH) over UNDER GROUND WATER TANK TOP & PUMP ROOM	SQM	15.00		
9.X	Removing existing Broken/damaged Glass glazing and providing new Float glass paneL 4 mm thick glass pane etc all complete in staircase areas as instructed and directed.	SQM	15.00		
9.11	Providing and laying polished natural stone as specified below (Machine cut) of an approved quality and size for paving /flooring in plain and/or diamond /approved pattern including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, machine cutting, dressing, leveling, jointing, filling the joints with neat cement slurry or with required pigment, machine polishing at site, curing, finishing, etc complete as directed by Engineer In Charge. 25 to 30 mm thk. Kota stone of size 0.430m x 0.56m (17"x22")	SQM	10.00		

9.12	Providing and laying polished natural stone as specified below (Machine cut) of an approved quality and size for paving /flooring in plain and/or diamond /approved pattern including cement mortar bedding of 25 mm thick in 1:4 proportion, cement float, machine cutting,dressing, leveling, jointing, filling the joints with neat cement slurry or with required pigment, machine polishing at site, curing, finishing, etc complete as directed by Engineer In Charge. 18 mm thk. White marble of medium quality and white cement float	SQM	5.00		
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