

STRUCTURAL REPAIRING, RETROFITTING, REVAMPING WORKS (CIVIL, INTERIOR, PLUMBING AND ELECTRICAL) AT SELIMPORE RESIDENTIAL COMPLEX BUILDING

1	COST FOR CIVIL WORKS	Rs.	
2	COST FOR SANITARY PLUMBING WORKS	Rs.	
3	COST FOR ELECTRICAL WORKS	Rs.	
4	TOTAL COST (EXCL. TAXES AS APPLICABLE)	Rs.	
5	SAY RS.	Rs.	

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Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
1	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.				
	(a) In all floors in two blocks including roof.	137.66	Cu.M.		
2	Dismantling R.C. floor, roof, beams etc. including cutting rods and removing rubbish as directed within a lead of 75 m. including stacking of steel bars.				
	(a) In all floors in two blocks including roof.	68.10	Cu.M.		
3	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.				
	(a) In all floors in two blocks including roof.	31.78	Cu.M.		
4	Scraping of moss, blisters etc.thoroughly from exterior surface of walls all floor in two block necessitating the use of scraper, wire brush etc.(Payment against this item will be made only when this has been done on the specific direction of the Engineer-in-charge)	6298.77	Sq.M		
5	Scraping and removing greasy soot from walls or ceiling of kitchen or similar smoke affected rooms all floors in two block and preparing the surface.	3594.10	Sq.M		
6	Polishing only of old marble or terrazo work with oxalic acid powder using 33 gms/ sq.m. by manual labour / machine including white chips and white cement all floor in two blocks as per direction of E-I-C.	3562.03	Sq.M		

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Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
7	Removing old scales, blisters etc. of interior surface of walls, ceiling by scraping etc. and preparing smooth and even surface with rendering or cement mortar (1:2) (as necessary), to make the surface suitable for receiving distemper. (Payment against this item will be made only when this has been done on the specific direction of the Engineer-in-charge).	32645.05	%Sq.M		
8	Rendering the Surface of walls and ceiling with White Cement base WATER PROOF putty washing of all floors in two block approved make & brand.(1.5 mm thick) as per direction of E-I-C.	32645.05	Sq.M		
9	Removing loose scales, blisters etc. from old painted surface and thoroughly smoothening the surface to make the same suitable for receiving fresh coat of paint in all floors of two block as per direction of E-I-C.	1024.80	Sq.M		
10	Removing old paint from blistered painted surface with application of soda, sajimati or any approved chemical paint remover and exposing the original surface including cleaning and thorough washing to remove all traces of the removing agent including taking out shutters and refixing the same where necessary.	1024.80	Sq.M		
11	Removing old paint from blistered painted surface of steel or other metal by chipping including scraping and cleaning and exposing the original surface.	816.50	Sq.M		
12	Renewing worn out putty of glass panes :				
	b) Panes exceeding 0.2 Sq.m but not exceeding 0.5 Sq.m Each 51	415.80	Each		
13	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m.	733.69	Sq.M		

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S1 No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
14	Stripping off worn out plaster and raking out joints of walls, celings etc. upto any height and in any floor in two blocks of five storied building including removing rubbish within a lead of 75m as directed.	1315.41	Sq.M.		
15	Dismantling terraced roof in ground floor roof (including floor finish, if any.) taking out carefully tiles with beams, joists, tees or burgahs covering floor below, sorting and stacking sevicable materials at site and removing rubbish as directed within a lead of 75 m.				
	(a) In fifth Floor roof of two blocks.	1084.50	Sq.M.		
16	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.				
	Depth of excavation not exceeding 1.500 mm.	144.21	% cum.		
17	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work)	72.10	% cum.		
	(a)With earth obtained from excavation of foundation.				

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Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
18	Filling in foundation or plinth by fine sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water ramming complete including the cost of supply of sand, (payment to be made on measurement of finished quantity)	43.26	% cum.		
19	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand .	144.21	sqm.		
20	Supplying ready mixed concrete of M 25 Grade with well graded stone chips of 20 mm nominal size containing designed quantity of cement per Cu.m of wet concrete produced in computerised batching plant under controlled condition using approved super plastisizer, designing concrete mix following I.S. 10262 and I.S. 456, transporting the mix with agitation in transit mixer to work site depositing the mix on a platform erected for the purpose at required levels of concreting and then placing the mix in its final location of form work, compacting and curing the same complete as per specification & direction of the Engineer-in-charge including computerised batching plant transit mixer with all accessories vibrators etc. inclusive of all other incidental charges in this connection complete but excluding cost of hire charge of platform and its supporting staging which would be paid through separate item. [cement to be supplied by the Manufacturer/ supplier] In ground floor and foundation.				
	ii) Ground Floor of two blocks.	8.13	Cu.m		
	b).In First Floor of two blocks.	8.13	Cu.m		
	c) In Second Floor of two blocks.	8.13	Cu.m		
	d) In third Floor of two blocks.	8.13	Cu.m		

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Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
	e) In Fourth Floor of two blocks.	8.13	Cu.m		
	f) In fifth Floor of two blocks.	5.67	Cu.m		
21	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS 456-2000. (a) Pakur Variety a) In ground floor of two blocks.	5.79	cum		
	b).In First Floor of two blocks.	2.05	cum		
	c) In Second Floor of two blocks.	4.42	cum		
	d) In third Floor of two blocks.	4.57	cum		
	e) In Fourth Floor of two blocks.	22.46	cum		
	f) In fifth Floor of two blocks.	6.79	cum		
22	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement and Chipping of concrete surface before taking up Plastering work in ground floor as per relevant IS codes.a) Pakur Variety	41.120	Cum		
23	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)				
	9 to 12 mm thick approved quality ply board shuttering in any concrete work				
	i) In foundation and superstructure				
	ii) Ground Floor of two blocks.	122.18	sqm		

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Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
	b).In First Floor of two blocks.	159.53	sqm		
	c) In Second Floor of two blocks.	190.69	sqm		
	d) In third Floor of two blocks.	104.74	sqm		
	e) In Fourth Floor of two blocks.	138.38	sqm		
	f) In fifth Floor of two blocks.	55.32	sqm		
24	Making one set of staging beyond 4 m in any floor for replacing glass panels, painting, uprooting plant and another repairing works of building and S&P works for external works only with 10 cm. dia bamboo as main posts at the rate of 1 metre centre to centre and 7.5 cm. dia bamboo ties @ 0.75 metre apart fitting and fixing with necessary coir, nails etc. as per direction of the Engineer-in charge. Firstly, one number to be paid and then labour rate for shifting up to further nineteenth (19) times @ 10% each time to be considered. If necessary further after twenty times of total use, another one number new and labour rate for shifting to be considered accordingly.	13605.44	cum		
25	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge-black annealed wire at every intersection, complete as per drawing and direction.				
	(SAIL/TATA/RINL)				
	a) Ground Floor of two blocks.	3.48	M.T.		
	b).In First Floor of two blocks.	3.03	M.T.		
	c) In Second Floor of two blocks.	3.62	M.T.		
	d) In third Floor of two blocks.	2.83	M.T.		

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Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
	e) In Fourth Floor of two blocks.	8.13	M.T.		
	f) In fifth Floor of two blocks.	1.42	M.T.		
26	Brick work with 1st class bricks in cement mortar (6:1)				
	i) In foundation	4.38	cum.		
	ii) Ground Floor	1.75	cum.		
	b).In First Floor of two blocks.	3.50	cum.		
	c) In Second Floor of two blocks.	4.22	cum.		
	d) In third Floor of two blocks.	2.80	cum.		
	e) In Fourth Floor of two blocks.	6.13	cum.		
	f) In fifth Floor of two blocks.	1.88	cum.		
27	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor with H.B netting in every third layer in 29 & 30 above in any floor				
	i) Ground Floor	33.00	sqm.		
	b).In First Floor of two blocks.	43.20	sqm.		
	c) In Second Floor of two blocks.	33.75	sqm.		
	d) In third Floor of two blocks.	13.50	sqm.		
	e) In Fourth Floor of two blocks.	18.00	sqm.		
	f) In fifth Floor of two blocks.	40.50	sqm.		
	Extra for using approved H.B netting in every third layer in any floor.	181.95	sqm.		
28	75mm thick brick work with 1st. Bricks set in cement sand mortar (1;4) including H.B.netting in every alternet layars				
	i) Ground Floor	75.00	sqm		
	b).In First Floor of two blocks.	57.60	sqm		
	c) In Second Floor of two blocks.	31.50	sqm		
	d) In third Floor of two blocks.	12.00	sqm		
	e) In Fourth Floor of two blocks.	72.00	sqm		

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Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
29	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour.(i) Chequering				
	35 mm. thick				
	i) Ground Floor	733.69	sqm		
	iii)Fifth Floor & Lift machine room(6th floor)	908.50	sqm		
30	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame exluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be correted upto three decimals).. (d) Sal : Local. (i) Ground Floor	0.71	cu.m.		
	b).In First Floor of two blocks.	0.71	cu.m.		
	c) In Second Floor of two blocks.	0.71	cu.m.		
	d) In third Floor of two blocks.	0.71	cu.m.		
	e) In Fourth Floor of two blocks.	0.71	cu.m.		

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Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
31	Supplying solid flush type doors of commercial quality, the timber frame consisting of top and bottom rails and side styles of well seasoned timber 65mm wide each and the entire frame fitted with 37.5mm wide battens places both ways in order to make the door of solid core and internal lipping with Garjan or similar wood veneers using phenol formaldehyde as glue etc. complete, including fitting, fixing shutters in position and the cost of hinges, lock and other fittings and fixture in any floor as per direction of E-I-C				
	(a) 35 mm thick shutters				
	Single leaf	60.00	Each		
32	Taking out shutter of door and window, dismantling by parts (for repair or replacement of damaged parts) , reassembling and refitting and rehangng same by fixing sunmica sheet in both sides of shutter with new screws, hings, cylindrical lock etc.and the cost of other fittings and fixture in any floor as per direction of E-I-C	120.00	Each		
33	Supplying, fitting and fixing M.S. clamps for door and window frame made of flat bent bar, end bifurcated with necessary screws etc. by cement concrete(1:2:4) as per direction. (Cost o concrete will be paid separately)				
	(a) 40mm X 6mm, 250mm Length	72.00	Each		

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Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
34	Supplying and laying true to line and level Double Charge Vitrified Tiles of approved brand conforming to IS 15622: 2006 (Group B I a) and tested as per IS 13630:2006 (relevant parts) [Non-modular sizes for tiles with Water Absorption (av.) ≤ 0.08 %] in floor, skirting etc. using polymerised adhesive of 6mm thick layer applied directly over finished artificial stone floor/Mosaic etc without any backing course and joints grouted with admixture of white epoxy grout materials of approved brand including spacer -2mm as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials,labour and all other incidental charges complete as per direction of Engineer in-Charge. (Note: This work should not be executed without specific permission of Engineer in-Charge.)				
	a) In All Floor:(size not less than 600mmX 600 mm X 9.5 mm thick)	1512.99	Sq.m		
35	Supplying,fitting & fixing of 2-Track / 3-Track Aluminium sliding Window of all Aluminium sections viz. window frame (top,bottom & side frame), shutter (top, bottom, side & interlock member) made of aluminium alloy extrusions conforming to IS 733-1983 & IS 1285-1975, anodised conforming to IS 1868-1983, fitted with all other accessories viz. PVC roller, EPDM gasket, maruti lock, screws etc. including labour charges for fitting & fixing of aluminium 2-track/3-track sliding window with fixing of glass (excluding cost of glass) all complete as per architectural drawings and direction of Engineer-in-charge. 10-12 Micron thickness Anodizing film Natural white	170.00	each		

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Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
36	Supplying, fitting & fixing of Aluminium fixed partition wall of all aluminium sections viz top, bottom and side member, intermediate member, glazing clip made of Aluminium Alloy Extrusions conforming to IS: 733-1983 and IS: 1285-1975, anodized conforming to IS:1868- 1983, fitted with all other accessories viz. EPDM gasket,cleat, angle screws etc. including labour charges for fitting and fixing of aluminium fixed partition wall with glass / panel board all complete as per architectural drawings and direction of Engineer-in-charge. (Including cost of glass/ panel board, 10-12 Micron thickness Anodizing film. Natural white.	120.00	each		
37	Easing and oiling, cleaning collapsible gate and repairing to locking arrangements. Sq.M.	90.00	sqm		
38	Supplying best Indian sheet glass panes set in putty and fitted and fixed with nails and putty complete. (In all floors for internal wall & upto 6 m height for external wall) ii) 4 mm thick				
	i)Steel window in All floors in two blocks	356.40	sqm		

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Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
39	Renewing old door & supplying, Fitting & Fixing 30 mm thick Factory made solid Panel PVC Door Shutter consisting of outer frame made out of M.S. tubes of 19 gauge thickness and size 19 mmx19 mm for styles, top and bottom rails, M.S. frame shall have cost of steel primers of approved make and manufacture, M.S. frame covered with 5 mm th. heat moulded PVC "C" channel of size 30 mm th, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on either sides forming styles; and 5 mm th. 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm tapered in 45 degree on the inner side to form top & bottom rail and 115 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided either side of the panel with 10 mm (5 mmx2) th.,20 mm wide cross PVC sheet as gap insert for top rail and bottom rail. Paneling of 5 mm th. both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) th.x15 mm wide PVC sheet beading on inner side and joined together with solvent cement adhesive. An additional 5 mm th. PVC strip of 20 mm which is to be stuck on the interior side of the "C" channel using PVC solvent adhesive etc. complete including all necessary fitting & fixture of hardwares in any floor as per direction of Engineer-in-Charge.	120.00	Each		

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Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
40	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental chages such as electricity charges, labour insurance charges etc. I) For structural members of specified sections weighing less than 22.5 Kg./m	2.12	MT		
41	Supplying, fitting and fixing windows and ventilators with or without integrated grills conforming to IS 1038-1975 and manufactured from rolled steel sections conforming to IS 7452-1974 with non-friction projecting type, box type hinges, glazing clips, lugs locking bracket, handle plate etc, including hoisting in position, straightening if required, fixing lugs in cement concrete (1:2:4) with stone chips 20 mm down cutting holes and mending good damages to match with existing surface complete in all respect excluding glazing.				
	A) Openable steel windows as per IS sizes with side hung shutters and horizotal glazing bars with/without fixed type ventilators.[The extra rate admissible for the openable portion only]				

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Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
	(a)In Ground Floor of two blocks.	39.44	sq.m		
	b).In First Floor of two blocks.	23.66	sq.m		
	c) In Second Floor of two blocks.	20.51	sq.m		
	d) In third Floor of two blocks.	19.72	sq.m		
	e) In Fourth Floor of two blocks.	47.32	sq.m		
	f) In fifth Floor of two blocks.	7.59	sq.m		
	B) M.S. integrated grill as per approved design integrated with steel window or ventilator, joints continuously welded with M.S. flats and bars.				
	(a) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr.				
	(a)In Ground Floor of two blocks.	283.34	Kg		
	b).In First Floor of two blocks.	236.12	Kg		
	c) In Second Floor of two blocks.	292.78	Kg		
	d) In third Floor of two blocks.	377.78	Kg		
	e) In Fourth Floor of two blocks.	472.23	Kg		
	f) In fifth Floor of two blocks.	91.13	Kg		
	C) Two point nose aluminium handle including fitting and fixing.	1320.00	each		
	D) Aluminium peg stay 300 mm long including fitting and fixing.	1320.00	each		
42	Plaster (to wall, floor, ceiling etc.) with (ready plast)/ basekrate sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface]				
	With 1:4 cement mortar				

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	10 mm thick plaster				
	a) Ground Floor of two blocks.	73.52	sqm.		
	b).In First Floor of two blocks.	88.22	sqm.		
	c) In Second Floor of two blocks.	51.46	sqm.		
	d) In third Floor of two blocks.	110.28	sqm.		
	e) In Fourth Floor of two blocks.	147.04	sqm.		
	f) In fifth Floor of two blocks.	46.95	sqm.		
	15 mm thick plaster (1:6)				
	a) Ground Floor of two blocks.	286.10	sqm.		
	b).In First Floor of two blocks.	185.96	sqm.		
	c) In Second Floor of two blocks.	251.77	sqm.		
	d) In third Floor of two blocks.	200.27	sqm.		
	e) In Fourth Floor of two blocks.	357.62	sqm.		
	f) In fifth Floor of two blocks.	120.06	sqm.		
	(ii) With 1:4 cement mortar				
	20 mm thick plaster (Double plaster)				
	a) Ground Floor of two blocks.	471.92	sqm.		
	b).In First Floor of two blocks.	178.22	sqm.		
	c) In Second Floor of two blocks.	129.95	sqm.		
	d) In third Floor of two blocks.	154.95	sqm.		
	e) In Fourth Floor of two blocks.	219.49	sqm.		
	f) In fifth Floor of two blocks.	298.83	sqm.		
43	Providing and fixing chicken wire mesh (Murga jali) in cement plaster over joint of R.C.C and Brickwork	2855.13	sqm.		
44	Making V-groove line (12 mm wide,12 mm deep) in plastered surface.	1500.00	%M		

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Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
45	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. (In Ground Floor)				
	(A) One Coat				
	(a)Solvent based interior grade acrylic primer				
	a) Ground Floor of two blocks.	6529.01	%sqm.		
	b).In First Floor of two blocks.	6529.01	%sqm.		
	c) In Second Floor of two blocks.	6529.01	%sqm.		
	d) In third Floor of two blocks.	6529.01	%sqm.		
	e) In Fourth Floor of two blocks.	6529.01	%sqm.		
	f) In fifth Floor of two blocks.	1101.34	%sqm.		
46	Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: (b) Two Coats a) Ground Floor of two blocks.	2019.42	sqm.		
	b).In First Floor of two blocks.	869.21	sqm.		
	c) In Second Floor of two blocks.	869.21	sqm.		
	d) In third Floor of two blocks.	869.21	sqm.		
	e) In Fourth Floor of two blocks.	869.21	sqm.		
	f) In fifth Floor of two blocks.	1010.62	sqm.		

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47	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer. a) Normal Acrylic Emulsion Ground Floor				
	One coats				
	a) Ground Floor of two blocks.	2019.42	sqm.		
	b).In First Floor of two blocks.	869.21	sqm.		
	c) In Second Floor of two blocks.	869.21	sqm.		
	d) In third Floor of two blocks.	869.21	sqm.		
	e) In Fourth Floor of two blocks.	869.21	sqm.		
	f) In fifth Floor of two blocks.	1010.62	sqm.		
48	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc. at all floor.				
	i) Steel work	906.50	sqm.		
	ii) Priming one coat on timber or plastered				
	Priming one coat on timber of plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.				
	i)All Floor	1024.80	sqm.		
49	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. pn the surface, if necessary.				

STRUCTURAL REPAIRING, RETROFITTING, REVAMPING WORKS (CIVIL, INTERIOR, PLUMBING AND ELECTRICAL) AT SELIMPORE RESIDENTIAL COMPLEX BUILDING

Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
	a) On timbar or plaster surface.				
	with super gloss (Hi-gloss)				
	Two coats (With any shade except white)				
	i)All Floor	1024.80	sqm.		
50	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. pin the surface, if necessary. All Floor	906.50	sqm.		
	b) For Steel or Metal Surface				
	with super gloss (Hi-gloss)				
	Two coats (With any shade except white)				
51	Applying 2 coats of Non-Toxic Acrylic Polymer modified Paint having adhesive & waterproofing properties by mixing in proportion (1 liquid: 4 cementitious material) or as per manufacturer's specification for water proofing layer in roof.	1084.50	Sq.M		
52	Sealing new expansion joint with Elastomeric Polysulphide Sealant of gap size 50mm X 25mm Including cleaning of the expansion joint thoroughly, mending of edges & surface, placing 50mm dia Backer rod as back up material with the cost of materials, labours, & all other incidental charges as per manufacturer's specification & direction of Engineer-incharge.	384.50	Mtr		
53	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors and taking out old damage tiles in wall and to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc.				

STRUCTURAL REPAIRING, RETROFITTING, REVAMPING WORKS (CIVIL, INTERIOR, PLUMBING AND ELECTRICAL) AT SELIMPORE RESIDENTIAL COMPLEX BUILDING

Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
	B) Wall With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 (ii) Other than Coloured decorative including white	1368.00	Sq.m		
54	Supplying, fitting & fixing UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, ncluding making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures etc if necessary and mending good damages including joining with jointing materails (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete.				
	A) UPVC Pipes:				
	(i) 75 mm. Dia.	183.00	Mtr		
	(ii) 110 mm. Dia.	186.00	Mtr		
55	Removal of rubbish,earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge	342.095	Cum		
56	Cleaning the exposed reinforcement preferably upto full diameter by wire brush, applying two coats of polymer based rust removing compound left for 24 hours, removing the coating and then applying two (2) coats of polymer modified anti corrosive protective coating formulated to inhibit the corrosion of reinforcement as per manufacturer's specification][Mode of measurement:The affected surface area of reinforcement shall be considered for payment]	735.19	Sq.m		

STRUCTURAL REPAIRING, RETROFITTING, REVAMPING WORKS (CIVIL, INTERIOR, PLUMBING AND ELECTRICAL) AT SELIMPORE RESIDENTIAL COMPLEX BUILDING

Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
57	Applying epoxy based reactive joining agent for joining the old concrete with fresh concrete to be applied within manufacturer's specified time as per manufacturers specification. (0.4 Kg / m ² of concrete surface).	735.19	Sq.m		
58	Extra rate for using water proofing and plasticising admixture @ 0.2% by weight of cement (or at manufacturer's specified rate) for concrete of various grades.	384.50	Sq.m		
59	(b) Applying 2 coats of Non-Toxic Acrylic Polymer modified Paint having adhesive & waterproofing properties by mixing in proportion (1 liquid: 4 cementitious material) or as per manufacturer's specification for water proofing layer in water tank etc. (No Departmental Cement is required)	384.50	Sq.m		
60	Removing corroded worn out portion of reinforcement (when the area of bar is damaged by more than 25%) by cutting and replacing the same by a new plain round bar of requisite diameter by binding with required lap / welding with old bar, including cost of reinforcement, complete in all respect including removing unserviceable materials from site as per direction of the Engineer - in - charge. Note : Payment on weight (Kg.) of new reinforcement.	735.19	Kg		
61	Providing and inserting nipples with approved fixing compound after drilling holes for grouting as per Technical specifications including subsequent cutting/removal and sealing of the hole as necessary of nipples after completion of grouting with Cement/Epoxy.	100.00	Each		

STRUCTURAL REPAIRING, RETROFITTING, REVAMPING WORKS (CIVIL, INTERIOR, PLUMBING AND ELECTRICAL) AT SELIMPORE RESIDENTIAL COMPLEX BUILDING

Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
62	Sealing of cracks / porous concrete by injection process through nipples/Grouting complete as per Technical specification. A Cement Grout kg 59.00 60.00 B Cement mortar (1:1) Grouting	500.00	Kg		
63	Applying epoxy mortar (10 mm nominal thick) over leached, honey combed and spalled concrete surface and exposed steel reinforcement complete as per Technical specification	624.91	Sq.m		
64	Removal of defective concrete, cleaning the surface thoroughly, applying the shotcrete mixture mechanically with compressed air under pressure, comprising of cement, sand, coarse aggregates, water and quick setting compound in the proportion as per clause 2807.1., sand and coarse aggregates conforming to IS: 383 and table 1 of IS: 9012 respectively, water cement ratio ranging from 0.35 to 0.50, density of gunite not less than 2000 kg/cum, strength not less than 25 MPa and workmanship conforming to clause 2807.6. (40 mm average thickness.)	624.91	Sq.m		
65	Providing anti-corrosive protective coating to inhibit the corrosion to HYSD reinforcements including two coats of anti-corrosive coatings of consumption as per manufacturer's specification, cleaning etc. complete as per the direction of the Engineer-in Charge .	624.91	Sq.m		
66	Cleaning the exposed corroded Reinforcement as well as worn out concrete by sand blasting with air compressor including all materials, hire charges of machineries and labour etc. all complete as per technical specification and direction of the Engineer-in-Charge.	624.91	Sq.m		

STRUCTURAL REPAIRING, RETROFITTING, REVAMPING WORKS (CIVIL, INTERIOR, PLUMBING AND ELECTRICAL) AT SELIMPORE RESIDENTIAL COMPLEX BUILDING

Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
67	Supplying, fitting galvanised 3 ply 12 gauge / 4 points line of barbed wire in fencing (holes already made in the body of the post) or fixed by staples tightening and fixing the wires in taut condition with straining bolts including the cost of cutting and of lapping joints in the wire as necessary but excluding the cost of galvanised staples, straining bolt and binding wire where necessary.	1171.14	%Mtr.		
68	Supplying, fitting and fixing Black Stone slab used in Kitchen slab, alcove, wardrobe etc. laid and jointed as per direction of Engineer-in - Charge.				
	(b) Slab Thickness above 25 mm and upto 37.5 mm	226.80	Sq.m		
69	Anti-termite treatment to the soil under floor with chemical emulsion by admixing chloropyrofos emulsifiable concentrate (1% concentration) with water by weight including drilling vertically 12mm. dia holes at the junction of floor and wall at 300mm. interval to reach the soil below using hand operated pressure pump to squirt chemical emulsion into the pump to squirt chemical emulsion into the holes at the rate of one litre per hole. The holes shall be sealed after operation to match with the existing floor. The entire work is to be carried out as per specification laid down in para 4.3.1.4 of code I.S.-6313 (Part-III)- 1981. Sq.M. 93	1033.01	Sq.m		

STRUCTURAL REPAIRING, RETROFITTING, REVAMPING WORKS (CIVIL, INTERIOR, PLUMBING AND ELECTRICAL) AT SELIMPORE RESIDENTIAL COMPLEX BUILDING

Sl No	Description of Item	Quantity	Unit	Rate Rs. P.	Amount Rs. P.
70	Providing and applying two coats of High Albedo paint having minimum Solar Reflective Index (SRI) 108 (with solar reflectance & thermal emittance tested as per ASTM C 1549 and ASTM C 1371 respectively), VOC less than 10 cc/gm. The coating thickness and the methodology of application shall strictly as per manufacturer's specifications and as approved by Engineer-in-Charge. Surface preparation includes cleaning with metal wire brush to remove all dust, fungus etc., washing with water all complete. The contractor shall give guarantee for the performance of SRI and also the durability of coating, all complete as per direction of Engineer-in-Charge.	1084.50	Sq.m		
71	Providing Re-bars grouting in place of missing reinforcement in some existing column and applying chemical grouting of reinforcement bar in existing concrete as embedment depth considering 12 D of each bars using FISV 3605 FISHER CHEMICAL including cost of operation labours and are to be executed by the Expert.				
	Considering each point				
	20mm dia.	33.00	each point		
	16 mm dia	30.00	each point		
	10 mm dia	275.00	each point		
	8 mm dia	675.00	each point		
	Total Cost			Rs.	

STRUCTURAL REPAIRING, RETROFITTING, REVAMPING WORKS (CIVIL, INTERIOR, PLUMBING AND ELECTRICAL) AT SELIMPORE RESIDENTIAL COMPLEX BUILDING

Sl. No.	Description of Works	Quantity	Unit	Rate (Rupees)	Amount (Rupees)
1	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007 . with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. (i) CPVC Pipes Class-1, SDR-11				
	a) For Exposed Work				
	15 MM DIA	889.80	Mtr		
	20 MM DIA	2157.00	Mtr		
	32 MM DIA	96.00	Mtr		
	40 MM DIA	48.80	Mtr		
2	Supplying, fitting and fixing Peet's valve fullway gunmetal standard pattern best quality of approved brand bearing I.S.I. markng with fittings(tested to 21 kg/sq.cm.).				
	20 MM DIA	60.00	Each		
	32 MM DIA	13.00	Each		
	40 MM DIA	13.00	Each		
3	Supplying, fitting and fixing bib cock or stop cock.				
	a(i) Chromium plated Bib Cock short with wall flange with aerator (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special type of brand - BIB COCK AS PER MAKE LIST & as per direction of E-I-C.	420.00	Each		
	B(i) Chromium plated Stop Cock (Equivalent to Code No. 513(A) & 513(B) & Model -	120.00	Each		
	D(i) Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053.	480.00	Each		
	e) (ii) CP Wall Mixture without spout but with provision for connection to Telephone Shower and exposed pipe for Overhead shower (Equivalent to Code No. 5215.	120.00	Each		
	(f) Health Faucet ABS body with 1 meter SS braided connection pipe	120.00	Each		
4	Supplying, fitting and fixing Anglo-Indian W.C. in white glazed vitreous china ware of approved make complete in position with necessary bolts, nuts etc (a) With 'P' trap (with vent)	90.00	Each		
5	Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws supplied, fitted and fixed complete. (ii) Plastic (hallow type) white	120.00	Each		

6	Supplying, fitting and fixing 32 mm dia. Flush Pipe of approved make with necessary fixing materials and clamps complete. i) Polythene Flush Pipe	180.00	Each		
7	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. (iv) 600 mm long	120.00	Each		
8	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint.(iii) 630 mm X 450 mm size	48.00	Each		
9	Supplying, fitting and fixing stainless steel sink complete with waste fittings and two coats of painting of C.I. brackets. (a) Sink only (i) 530 mm X 430 mm x 180 mm	30.00	Each		
10	Supplying, fitting and fixing pillar cock of approved make. a) (i) CP Pillar Cock - 15 mm. (Equivalent to Code No. 507).	120.00	Each		
11	Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thick with silvering as per I.S.I, specifications supported on fibre glass frame of any colour, frame size 550 mm X 400 mm	120.00	Each		
12	Supplying, fitting and fixing towel rail with two brackets.(a) C.P. over brass (iii) 25 mm dia. and 600 mm long	120.00	Each		
13	Supplying, fitting and fixing soap holder. (b) Fibre glass	120.00	Each		
14	Renewing gully grating with frame. (i) 100 mm X 100 mm	120.00	Each		

15	<p>Constructing Inspection pit of inside measurement 600mm X 600mm X upto 600mm (depth) with 250 mm thick 1st. class brick work in cement mortar (1:4) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (1:3:6) with stone chips over a layer of jhama brick flat soling, 15 mm thick (1:4) cement plaster to inside walls and out-side walls upto G.L. and 20 mm.thick (1:4) plaster to bottom of the pit,providing necessary invert with cement concrete (1:3:6) with stone chips as per direction, neat cement finishing to entire internal surfaces, top of the pit covered with 100 mm thick R.C.C. slab (1:1.5:3) with stone chips and necessary reinforcements upto 1% and shuttering including 6 mm thick cement plaster (1:4) in all external surfaces of the slab and one 560 mm dia. R.C.C. manhole cover of approved makesupplied, fitted and fixed in the slab with necessary fittings, necessary earthwork in excavation in all sorts of soil, filling sides of the pit with earth and removing spoils after work complete in all respect with all costs of labour and materials.</p> <p>i) With Pakur variety. (TATA)</p>	32.00	Each		
16	Cutting hole through wall,roof or cornice and mending good all damages.	360.00	Each		
17	<p>Supply of UPVC pipes & fittings conforming to IS-13592-1992 with Providing, fixing, jointing and testing PP mineral filled low noise level Soil & Waste piping system as per BS EN 1451, SN4-S16, with minimum density for pipes and fittings 1.4 gm/cm³. Pipes and fittings made from Polypropylene-M (mineral reinforced) and available from 50 - 160 mm with push fit SBR type rubber ring sockets for easy installation. Pipes should have 3 layer design. Should have hot water resistance up 95°C for short term loading (90°C for long term loading). Piping system should have chemical resistance of pH 2-12. Fittings should have swept design from 75-160mm and depth gauge for proper fittings against thermal expansion and contraction, should have top marking at every 15° intervals in angular rotation for better alignment. Piping system includes all required fittings & accessories such as coupler, bend, tee, Y, reducer, access pipe, multi floor traps, Nahni trap with extension piece etc. for conveying soil, waste & rainwater purpose in floors, ceiling suspended, or on walls, with leak proof joints etc. Setting the pipe in 1:2:4 CC in case of concealed plumbing, wall chasing, holes, supporting, clamping, covering back with chicken mesh & plaster and making the wall good as per approved shop drawing. Testing as per tender specifications/EIC. 13 dB(A) at flow rate of 2 L/s according to DIN 4109</p> <p>(A) (i) Single Socketed 3 Meter Length</p> <p>(a) 75 mm</p>	915.00	Mtr.		
	(b) 110 mm	1342.00	Mtr.		
18	Supply of UPVC pipes (B Type)/ PP & fittings conforming to IS-13592-1992				
	(B) Fittings <i>(i) Coupler</i>				
	(a) 75 mm	360.00	Each		
	(b) 110 mm	360.00	Each		
	(ii) Plain Tee				
	(a) 75 mm	60.00	Each		

	(b) 110 mm	240.00	Each		
	(iii) Door Tee (b) 110 mm	40.00	Each		
	vi) Door Y (LH) & (RH) (b) 110 mm	40.00	Each		
	x) Bend 87.5°				
	(a) 75 mm	48.00	Each		
	(b) 110 mm	48.00	Each		
	xi) Door Bend (T.S.) 110 mm	40.00	Each		
	xiv) Cross Tee with Door				
	(a) 75 mm	20.00	Each		
	(b) 110 mm	20.00	Each		
	xv) Vent Cowl 110 mm	84.00	Each		
	xvi) Pipe Clip				
	(a) 75 mm	360.00	Each		
	(b) 110 mm	360.00	Each		
	xxiii) W.C. Connector (450 mm long) W/ lipring				
	(a) 75 mm	120.00	Each		
	L) Rubber Ring				
	(a) 75 mm	120.00	Each		
	(b) 110 mm	120.00	Each		
	Rubber Lubricant 500 ML 500 ML 187.00	2500.00	500 ML		
	xxiii) 110/110 S Trap	120.00	Each		
	xxvi) Reducer 110 X 75 mm	120.00	Each		
	xxvii) Reducing Tee (110 X 75 mm)	120.00	Each		
	xlx) Door Gasket (b)110 mm	120.00	Each		
19	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps (any floor)... (A) Above ground				
	(a) 75 mm	915.00	Mtr		
	(b) 110 mm	1342.00	Mtr		
20	Supplying, fitting and fixing C.I. round grating. 150 mm dia	204.00	Each		
21	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete, C.I. brackets including two coats of painting to bracket etc.	120.00	Each		
22	Supplying, fitting and fixing shower of approved brand and make over head rain shower 125 x 125 mm dia (5" x 5") with 200mm long shower arm	120	Each		
23	Wash basin vitreous china of approved make (without fittings) supplied, fitted and fixed in position on 75mm X 75 mm X 75 mm wood blocks and C.I. brackets including two coats of painting of C.I. brackets.				
	(i) 450 mm X 300 mm size	60	Each		
	(ii) 550 mm X 400 mm size	60	Each		
24	Taking out rain water down pipe.	366	%Metre		

25	Supplying, fitting and fixing PVC pipes for underground work of approved make of Schedule 80 (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted including cost of all materials, jointing materials, cutting pipes, making threads, cutting trenches upto 1.5 metre below surface in all sorts of soil and refilling the same as directed complete in all respect. (Payment will be made on the centre line measurement of the total pipe line including all specials. No separate payment will be made for accessories, specials.)PVC Pipes				
	150 mm	109.5	Meter		
26	Supplying, fitting and fixing yard gully with approved H.C.I. grating complete. (i) 225 mm X 150 mm with 230 mm gratings	12	Each		
	TOTAL COST			Rs.	

STRUCTURAL REPAIRING, RETROFITTING, REVAMPING WORKS (CIVIL, INTERIOR, PLUMBING AND ELECTRICAL) AT SELIMPORE RESIDENTIAL COMPLEX BUILDING

S/ N	Description of item	Qty		Rate	Unit	Amount
1	Supplying and fixing 415V, TPN SFU with sheetsteel enclosure on flat iron/angle iron frame on wall with nuts bolts etc incl. S & F 3 nos. DIN type HRC fuse as per rating 100 A. as per directon of E-I-C.	6	Nos.		Each	
2	Supplying & fixing sheet metal (16 SWG) Iron Clad Busbar chambers on angle iron frame on wall, incl. earthing attachment and painting as required - (As per Drawing no. 470 of PWD Specification Book - May 1991). 100A as per directon of E-I-C.	6	Nos.		Each	
3	Earthing with 50 mm dia GI pipe 3.64 mm thick x 3.04 Mts. long and 1 x 4 SWG GI (Hot Dip) wire (4 Mts. long), 13 mm dia x 80 mm long GI bolts, double nuts, double washers incl. S & F 15 mm dia GI pipe protection (1 Mts. long) to be filled with bitumen partly under the ground level and partly above ground level driven to an average depth of 3.65 Mts. below the ground level as below: By ISI-Medium GI pipe as per directon of E-I-C.	12	Set		Set	
4	Connecting the equipments to earth busbar including S & F GI (Hot Dip) wire of size as below on wall/floor with staples buried inside wall/floor as required and making connection to equipments with bolts, nuts, washers, cable lugs etc. as required and mending good damages. 8 SWG as per directon of E-I-C.	2400	Mtr		Mtr	
5	Supplying and fixing double-door SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing. 2+16 way Make : Legrand. as per directon of E-I-C.	60	Nos.		Each	

S/ N	Description of item	Qty		Rate	Unit	Amount
6	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection 6-32A SP /Legrand as per directon of E-I-C.	960	Nos.		Each	
7	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection: 6-32A DP /Legrand as per directon of E-I-C.	132	Nos.		Each	
8	Supply delivery of 2 Core 4 Sq mm coper cable as per direction of EIC.	2100	Mtr		Mtr	
9	Laying of cable upto 2 core 25 sqmm on wall/surface incl. S & F MS saddles with earthing attachment in 10 SWG GI (Hot Dip) Wire, making holes etc. as necy. mending good damages and painting. 2 core 6 sq mm as per directon of E-I-C.	2100	Mtr		Mtr	
10	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE / PVC armoured cables as below : 2 Core 6 Sq mm as per directon of E-I-C.	120	Nos.		Each	
11	Finishing the end of following XLPE / PVC armoured cables by crimping method incl. supplying and fixing solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials : 2 Core 6 Sq mm as per directon of E-I-C.	120	Set		Set	
12	Supplying and Drawing 1.1 KV single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Brand approved by EIC) of the following sizes in the prelaid polythene pipe and by the prelaid GI fish wire and making necy. connection as required. 2x56/0.3 (4 sqmm) + 1x36/0.3 (2.5 sqmm) as ECC as per directon of E-I-C.	3000	RM		RM	

S/N	Description of item	Qty	Rate	Unit	Amount
13	Supplying & Fixing GI Modular Switch Board of the following sizes complete with three no. suitable size Copper bar with holes (for Ph, N & E) fixed on bakelite/Hard Rubber insulator over the MS welded chairs incl. top cover flushed in wall for housing the board after cutting the brick wall incl. making earthing attachment, painting and mending good damages to building works. 8 Module as per directon of E-I-C.	450		Set	
14	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required. 2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC as per directon of E-I-C.	9000		Mtr	
15	Supply & Fixing 240 V 16 A Piano key type switch (Brand approved by EIC) on GI Modular type switch board having top cover plate and making necessary connections as required as per directon of E-I-C.	900		Pts	
16	Distn. wiring in 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Brand approved by EIC) in 19 mm bore, 3 mm thick polythen pipe (for horizontal & vertical run in wall and celing portion through prelaid polythen pipe) complete with all accessories embedded in wall to light/fan/call bell points with Piano key type switch (Anchor make) fixed on sheet metal (16 SWG) switch board with bakelite/perspex (wall matching colour) top cover (3 mm thick) flushed in wall incl. mending good damages to original finish. Average run 6 mtr as per directon of E-I-C.	1350		Pts	
17	DISTRIBUTION BOARDS (All MCBs to be "C" series)				
18	Providing and fixing 4 way TPN double door DB for LIGHT POINT S& Power with incomer 1 no. 40 Amps DP MCB controlling 10 Nos. 6/10 Amp SPMCB Complete as per directon of E-I-C.	120		Unit	

S/ N	Description of item	Qty		Rate	Unit	Amount
19	Providing and fixing 4 way TPN double door DB for A.C. POINTS with incomer 1 no. 63 Amps 10KA TPN MCB controlling 12 no. 16/20 Amp SP MCB KA TPN MCB controlling 12 no. 16/20 Amp SPMCB Complete as per directon of E-I-C.	120	Unit		Unit	
20	MCB 32A in Metal Enclosure complete with suitable glands & sockets as per directon of E-I-C.	120	Unit		Unit	
21	Supply & delivery at site 1X22 Watt LED Tube light fittings complete with LED tube lamp, suitable for 230V, 1Ø, 50 Hz supply, as per specification direction of the EIC. (Make : - Philips or equivalent). as per directon of E-I-C.	300	Nos		Each	
22	Renewing three nos of existing pumps including one of submersible pump	2	NOS		L.S	
23	Fixing only outdoor / street light type fluorescent light fitting or MV light fitting complete with all accessories to be fixed /projected from the wall of the building incl. making holes/providing clamping arrangement & necy. GI reducer as required. S&F 40 mm GI pipe (ISI-Medium) quality 1.5 mts. average length having suitable bend S&F necy. length of 1.5 sqmm PVC insulated single core stranded annealed copper wire and making connections as required and mending good damages to wall incl. painting etc.	30	Nos		Each	
				Total	Rs.	