

CORRIGENDUM – 1**TENDER NO : NIT NO. CMC/BR/23-24/RB/CR/SS/1157 DT: 31.08.2023 DUE ON DT 20.09.2023****REVISED APPENDIX -1**

NAME OF WORK:- CONSTRUCTION OF NEW BUILDING (G+1, 31M X 12M), PTR FOUNDATION, EQUIPMENTS FOUNDATIONS AND ALLIED WORKS AT 66/11 KV GRID, UDYOG NAGAR.					
S. No.	Description of Item	Qty.	Unit	BRPL Rate	Amount
PART-A "CIVIL WORKS)					
1	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 Sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil. as directed, within a lead of 50 m. All kinds of soil.	534.99	CUM	243.00	1,30,002.57
2	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth. 1.5 m in width as well as 10 Sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed : All kinds of soil.	1643.80	CUM	174.00	2,86,021.20
3	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth : consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	653.63	CUM	215.00	1,40,530.45
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	128.54	CUM	5365.00	6,89,617.10
5	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	380.39	CUM	7094.00	26,98,486.66

6	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	19.76	CUM	8639.00	1,70,706.64
7	Centring and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases of columns. For mass concrete	509.94	SQM	261.00	1,33,094.34
8	Centering and shuttering including strutting, propping etc. and removal of form for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	2246.86	SQM	567.00	12,73,969.62
9	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	873.35	SQM	650.00	5,67,677.50
10	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	75017.94	KG	76.00	57,01,363.44
11	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	11125.53	KG	78.00	8,67,791.34
12	Welding by gas or electric plant including transportation of plant at site etc. complete	30150.00	CM	2.00	60,300.00
13	6 mm cement plaster 1:3 (1 cement 3 fine sand) finished with a floating coat of neat cement and thick coat of lime wash on top of walls when dry for bearing of R.C.C slabs and beams.	942.51	SQM	283.00	2,66,730.33
14	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete: 250 mm dia RCC pipe.	30.00	Mtr	688.00	20,640.00
15	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	1937.52	Kg	94.00	1,82,126.88
16	Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc.as required.- In gratings, frames, guard bar, ladder, railings, brackets, gates & similar works.	3857.00	KG	120.00	4,62,840.00

17	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	6179.32	KG	86.00	5,31,421.52
18	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. Two or more coats on new work.	470.64	SQM	111.00	52,241.04
19	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in cement mortar 1 : 4 (1 cement : 4 coarse sand)	43.25	cum	5837.00	2,52,450.25
20	Providing and fixing bolts including nuts and washers complete	216.00	kg	118.00	25,488.00
21	12 mm cement plaster of mix: 1:6 (1 cement: 6 coarse sand).	1518.01	SQM	249.00	3,77,984.49
22	Neat cement punning.	49.83	SQM	57.00	2,840.31
23	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	53.20	SQM	462.00	24,578.40
24	52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick Hardcrete cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume with which hardening compound mixed @ 2 litre per 50 Kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete	629.30	SQM	725.00	4,56,242.50
25	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS:1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	13.00	EA	413.00	5,369.00

26	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	2.75	Cum	6247.00	17,179.25
27	15 mm cement plaster on rough side of single or half brick wall of mix:1:6 (1 cement: 6 coarse sand)	1218.60	SQM	287.00	3,49,738.20
28	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete : 1:4:8 or leaner mix (i/c equivalent design mix)	43.70	cum	1051.00	45,928.70
29	Steel work in built up tubular (round, square or rectangular hollow tubes etc. trusses etc. Including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc complete : hot finished welded type tube.	736.71	KG	131.00	96,509.01
30	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc. upto floor five level, excluding the cost of centring, shuttering and finishing : 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	1.23	cum	7952.00	9,780.96
31	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand)	298.01	CUM	7220.00	21,51,632.20
32	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer.	3006.86	SQM	137.00	4,11,939.82
33	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	86.62	CUM	5132.00	4,44,533.84
34	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS:	257.55	CUM	8741.00	22,51,244.55

	9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works above plinth level upto floor V level Concrete of M25 grade with minimum cement content of 330 Kg /Cum				
35	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works upto plinth level : Concrete of M25 grade with minimum cement content of 330 kg /cum	135.76	CUM	7365.00	9,99,872.40
36	Centring and shuttering including strutting, propping etc. and removal of form work for Columns, piers, abutments, pillars, posts and struts	671.00	SQM	682.00	4,57,622.00
37	Centring and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	530.31	SQM	516.00	2,73,639.96
38	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	69.32	Cum	186.00	12,893.52

39	Painting with aluminium paint of approved brand and manufacture to give an even shade. Two or more coats on new work	147.50	Sqm	103.00	15,192.50
40	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete: 1:3:6 or richer mix (i/c equivalent design mix)	1.68	cum	1702.00	2,859.36
41	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover.	2.00	SQM	2552.00	5,104.00
42	Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 Sqm over and including priming coat of exterior primer applied @2.20Kg/10 Sqm).	212.67	SQM	141.00	29,986.47
43	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations. (a) Applying a slurry coat of neat cement using 2.75 Kg/Sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25mm to 115mm size with 50% of cement mortar 1:5 (1cement : 5coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge over 20 mm thick layer of cement mortar of mix 1:5 (1cement : 5coarse sand) admixed with water proofing compound conforming to IS: 2645 and approved by Engineer -in charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.	372.00	SQM	1291.00	4,80,252.00

44	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P.brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately): For Fixed portion. Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	144.00	KG	368.00	52,992.00
45	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size including necessary filling up the gaps at junctions ie. at top , bottom and sides with required EDPM rubber/neoprene gasket etc . Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing panelling and dash fasteners to be paid for separately.)	142.50	KG	451.00	64,267.50
46	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item). With float glass panes of 4.0 mm thickness.	67.50	SQM	865.00	58,387.50
47	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564 embossed on the body, door weight upto 36 Kg to 80 Kg and door width from 701 mm to 1000 mm) with double speed adjustment with necessary accessories and screws etc. complete.	24.00	Each	726.00	17,424.00
48	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 300x16 mm	24.00	Each	220.00	5,280.00

49	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 125 mm	24.00	Each	50.00	1,200.00
50	Demolishing R.C.C. work manually /by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-In-charge.	15.54	cum	2483.00	38,585.82
51	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 m lead.	13628.31	kg	3.00	40,884.93
52	Washed stone grit plaster on exterior walls height upto 10 Meter. above ground level, in two layers, under layer 12 mm cement plaster 1:4 (1 cement : 4 coarse sand), furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15mm cement plaster 1:1/2:2 (1 cement : 1/2 coarse sand : 2 stone chipping 10mm nominal size) in panels with groove all around as per approved pattern including scrubbing and washing. the top layer with brushes and water to expose the stone chippings, complete as per specification and direction of Engineer-In-Charge (Payment for providing grooves shall be made separately)	1167.24	SQM	835.00	9,74,645.40
53	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specification and direction of the Engineer-In-Charge. 15 mm wide and 15 mm deep groove	1321.60	Metre	53.00	70,044.80
54	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1cement : 4 coarse sand) : 25 mm thick	139.00	SQM	1447.00	2,01,133.00
55	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12mm (average) thick cement mortar 1:3 (1cement : 3coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	85.90	SQM	1729.00	1,48,521.10
56	Demolishing brick work 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.: In cement mortar	6.31	CUM	1440.00	9,086.40

57	Applying priming coat with ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works.	384.00	SQM	47.00	18,048.00
58	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kinds of soil	412.87	CUM	88.00	36,332.56
59	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	1305.66	SQM	105.00	1,37,094.30
60	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	80.64	SQM	578.00	46,609.92
61	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in cement mortar 1 : 6 (1 cement : 6 coarse sand)	26.39	CUM	5647.00	1,49,024.33
62	Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000 x 450x50 mm, reinforced with 8 mm dia four nos longitudinal & 9 nos cross sectional T.M.T. hoop bars, including providing 50 mm dia perforations @ 100 to 125 mm c/c, including providing edge binding with M.S. flats of size 50 mm x 1.6 mm complete, all as per direction of Engineerin- charge.	96.00	Ea	1029.00	98,784.00
63	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes: 110 mm diameter	180.50	M	271.00	48,915.50
64	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. Bend 87.5°-110 mm bend.	16.00	Ea	111.00	1,776.00
65	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary	110.00	KG	519.00	57,090.00

	accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).				
66	Providing and fixing Transformer Rails (90RA).	416.00	KG	86.00	35,776.00
67	Supply, precast RCC trench cover of various size varying 1500 mm in length, 450 mm in width & 50 mm in thickness, with 3 mm thick 50mm wide, ms strip all around welded to the steel reinforcement bar of 6mm dia, 100 mm centre to centre & two no. hooks of 12 mm dia bar for lifting giving finishing top surface & grade of cement concrete M-20.	400.58	SQM	1609.00	6,44,533.22
68	Making pocket in RCC/cement concrete by using of steel/wooden box and removing the same after hardening of cement concrete of size: 0.30x0.30x0.45 mtr.	48.00	EA	81.00	3,888.00
69	Flat brick flooring with over burnt bricks (chatka) on bed of 10 mm thick cement 1:6 (1 cement : 6 coarse sand) & filling the joints with same cement mortar	552.18	SQM	360.00	1,98,784.80
70	Supplying and spreading uniformly in yard of grid s/stn. blue stone aggregate 20 mm single size of good quality i/c loading, unloading for all leads & lifts complete, as per direction of Engineer in charge.	55.32	cum	1689.00	93,435.48
71	Providing and placing in position M.S plates to hold the rail for transformer foundation including drilling the holes of required size, straightening and tightening with nuts and bolts etc.	135.41	kg	81.00	10,968.21
72	Providing and fixing M.S. Sheet of required thickness to M.S frames by welding. (The cost includes the cost of M.S. sheet, cutting, straightening, labour, cartage, welding rods, hire charges of welding machine etc. complete) as per direction of Engineer-In-Charge.	759.25	kg	73.00	55,425.25
73	Providing/fixing by welding (IRC fabric) welded mesh of size 25x75 mm of weight not less than 7.75 kg/ sqm to the frame of MS angles, tees, etc. including priming coat of approved brand.	305.90	KG	81.00	24,777.90
74	Demolishing flat brick flooring in cement mortar including stacking the serviceable material and disposal of unserviceable material within 50 m lead	26.00	sqm	27.00	702.00
75	Collecting the spreaded stone grit from yard, stacking at suitable places & relaying the same after proper screening/cleaning twice on the specified area of yard as per direction of engineer in charge	7.50	cum	224.00	1,680.00
76	Cutting holes upto 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks.	100.00	Ea	134.00	13,400.00

77	Providing and fixing by welding 65 mm size M.S. Hinges made out of 5mm thick M.S. sheet i/c nuts, bolts etc. complete to M.S. angles/channels as approved by Engineer-In-Charge . The cost is inclusive of material, cartage, welding etc. complete job.	4.00	Ea	78.00	312.00
78	Removing of damaged / broken / twisted IRC welded mesh fencing panels repairing of damaged / broken members , replacing new members if required, setting right the fencing panel in proper shape and size as per site requirement, re-fixing of panel at old location / new location in proper position and required alignment, Rate includes the cost of all labour , T & P , welding rods, welding machine, etc complete. The cost of structural steel and nut bolts, washers, IRC welded Mesh etc., if required will be paid separately.	22.00	SQM	76.00	1,672.00
79	Dismantling and refixing steel work in single sections including dismembering and stacking within 50 metres lead in: Channels, angles, tees and flats.	190.00	KG	12.00	2,280.00
80	Making pocket in RCC/cement concrete by using of steel/wooden box and removing the same after hardening of cement concrete of size: 0.45x0.45x1.50 mtr.	24.00	Ea	135.00	3,240.00
81	Providing and applying of approved make self-leveling epoxy coating at your plant with Specification as follows: <ul style="list-style-type: none"> • Scraping the complete area with the help of mechanical means or suitable method and grinding the floor with the help of floor grinding machine (dry grinding) to remove all dirt debris and loosely bonded epoxy coating . • Application of Primer @ 200gm/sqm on the treated surface • Application of screed 2mm @ 2.5kg/sqm. • Final coat of Self leveling 2mm @2.5kg/sqm to attain the desired finish 	165.00	SQM	1284.17	2,11,888.05
82	Providing and fixing ISI marked Fire Escape door shutters with frame of Powder coated GI sheet. Each door leaf with 4 hinges (Make- Dauerhaft/Dorma/Equivalent), 1 no.of fire rated Door closure (make- Dauerhaft/Dorma/ Equivalent), 1 no. of external trim (make- Dauerhaft/Dorma Equivalent), 1 Fire Rated Wired Glass(200x300mm), (Make-Pilkington/ equivalent), 1 no. Three Point Panic Bar (Make-Dauerhaft / Dorma/ equivalent) with necessary screws. Cost includes Supply and installation of door.Cost of making opening for door with allied activities viz. dismantling work, concrete work, brick work, plastering, painting, tile work, false ceiling work, electrical and furniture dismantling and refixing etc which will be paid separately.	4.80	SQM	13457.61	64,596.53
	Total Part of Civil Work		(P)		2,70,79,908.82

PART-B "ELECTRICAL WORKS"					
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group A	30.00	Point	860.00	25,800.00
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group B	25.00	Point	1002.00	25,050.00
3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.Group C	25.00	Point	1244.00	31,100.00
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	200.00	Metre	233.00	46,600.00
5	supplying and drawing following sizes of FR pvc insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required 2x2.5 sq. mm	200.00	Metre	83.00	16,600.00
6	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 4 sq. mm + 1 X 4 sq. mm earth wire	150.00	metre	283.00	42,450.00
7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.2 X 6 sq. mm + 1 X 6 sq. mm earth wire	100.00	metre	372.00	37,200.00
8	Supplying and fixing following rating, Four pole, 415 volts, MCB in the existing MCB DB complete with connection, testing and commishioning etc. as required 63 amps	5.00	EA	877.00	4,385.00
9	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 25mm	150.00	metre	122.00	18,300.00

10	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	12.00	EA	404.00	4,848.00
11	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections. testing and commissioning etc. as required. 63 Amps.	4.00	EA	447.00	1,788.00
12	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator). 8 (4+24) way Double door.	1.00	EA	5061.00	5,061.00
13	S/F metal boxes : Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.: 200 mm x 300 mm x 100 mm deep.	10.00	EA	475.00	4,750.00
14	Supplying, installing ,testing and commissioning triple pole and neutral overhead copper busbars in sheet steel enclosure in convenient sections with top and bottom covers suitable for use in ,3 phase,4 wire,415 volt,50 Hz, A.C. supply and of following rating. Complete with jointing of section. electrical connection/copper strips etc. as required.200 amps. Havells make	1.00	EA	9830.00	9,830.00
15	Supplying and fixing following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, with provision of 100 amps TP 16 KA MCCB as incomer, interconnection between incomer MCCB and bus bars (but without MCB's/ MCCB) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.) 8Way TP	1.00	EA	4618.00	4,618.00
16	Providing and fixing ceiling fan 48" of crompton make with five stage Electronic fan regulator of anchor make.	15.00	EA	1742.00	26,130.00
17	Providing and fixing, Testing & commissioning of 450mm dia heavy duty Exhaust Fan with louver of approved make.(crompton greaves)	8.00	EA	3305.00	26,440.00
18	Providing and fixing Bulkhead Luminaire of Phillips or equivalent make including the cost of drilling holes in walls/ celing pvc gutties screws and making connections etc complete including lamp Cat no NXC 101 1XGLS 60W.	10.00	EA	697.00	6,970.00

19	P/F/T/C 6/16A 5 pin modular socket controlled by 16 A switch.(complete set modular).	25.00	EA	536.00	13,400.00
20	Providing, Fixing, Testing & Commissioning Of 3 nos. 6A 5pin socket and 1 no.6A switch in 5 module plate for the various raw power / computer requirements.(with Ms Box)MAKE - MK OR EQUIVALENT	25.00	EA	559.00	13,975.00
21	Providing and fixing tube light 2x36 watts Philips make TMC 501/236 HPE complete job.	20.00	EA	1111.00	22,220.00
22	Supply, fixing, laying of M.S. painted raceway of following sizes with top openable MS sheet cover of 2mm thick complete with junction box of all ways with suitable nos of knockout for fixing conduits directly on it, neoprene rubber packing, bends and all accessories required.It will be groted in the floor,junction will be bigger in size. This item will involve breaking the existing floor and putting a cushion of 5 mm lean PCC for leveling under the raceway.50x50x2 mm thick	20.00	Metre	488.00	9,760.00
23	Providing & Laying of the 300mm x 300mm x 50 mm deep MS junction boxes of 16SWG duly powder coated type with 14 SWG MS cover	12.00	EA	458.00	5,496.00
24	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc.as required. (But without MCB/RCCB/Isolator 2 + 12 way, Single door	15.00	EA	617.00	9,255.00
25	P/F/Testing/Comm. Of 200A,25KA, TPN, MCCB inclusive MS enclosure. MAKE -Havells or equivalent.	1.00	EA	8359.00	8,359.00
26	Supplying and fixing 63 amps, TP, 10KA, 415 volts, MCB of approved make in the existing MCB DB complete with connections, testing and commissioning etc.	4.00	EA	1144.00	4,576.00
27	S / F 'C' series, SP MCB : Supplying and fixing 5 amps to 32 amps rating, 240 volts, 'C' series, miniature circuit breaker, suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required-Single Pole & Neutral	20.00	EA	255.00	5,100.00
28	Supply/preparing, installation, testing and commissioning of copper plate earthing stations making earth pits, earthing with copper earth plate 600 mm x 600 mm x 6 mm thick including funnel, charcoal/coke, salt, all earth work. Providing masonry enclosure with 10 mm thick C.I. cover plate having locking arrangement and watering pipe,	2.00	EA	13365.00	26,730.00

	disconnecting/ testing links etc as per IS-3043 complete as required.				
29	CABLE END TERMINATIONS : Termination of 3-1/2 core 95 sq. mm. PVC insulated armored aluminium conductor cable using Flange type brass cable glands & Dowell's make aluminium crimping type lugs.	10.00	Nos	352.00	3,520.00
30	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 2+ 12 way double door.	2.00	EA	947.00	1,894.00
Total Part-B Electrical Work (Q)					4,62,205.00
Total Part (P+Q=R)					2,75,42,113.82
Add GST @ 18% on R (Rx18%=S)					49,57,580.49
Total Amount i/c GST (R+S=T)					3,24,99,694.31