



## GUJARAT INDUSTRIES POWER COMPANY LIMITED (Surat Lignite Power Plant)

### SECTION-E of Tender No.: SLPP/Civil/ARC/2019-21 SCHEDULE OF RATE

**NAME OF WORK :** Surat Lignite Power Plant - 4X125 MW, Unit # I to IV: Biennial Rate Contract for Civil & Structural works, repair & maintenance for Power Plant, Mines Infrastructure, 5MW/1MW Solar Plant & Intake-Well Pump House (Year 2019-2021).

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
<b>A. DISMANTLING WORK:</b>					
1	Dismantling work shall include working at all heights and depth including storing and stacking the serviceable and depth including storing and stacking the serviceable material and disposing of the debris and unserviceable material outside Plant premises or scrap yard in Plant as directed by Engineer for following works. 1. P.C.C. of any mix	24.000	M3	807.50	19,380.00
2	Same as above item but for total executed gross work done quantity less than or equal to 0.15 M3 at single location/specific work site for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work site.	8.000	No.	123.50	988.00
3	R.C.C. of any mix	11.000	M3	1,178.00	12,958.00
4	Same as above item but for total executed gross work done quantity less than or equal to 0.15 M3 at single location/specific work site for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work site.	3.000	No.	323.00	969.00
5	Brick masonry work in Cement mortar with plaster	66.000	M3	332.50	21,945.00
6	Same as above item but for total executed gross work done quantity less than or equal to 0.15 M3 at single location/specific work site for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work site.	10.000	No.	61.75	617.50
7	Dismantling of minor quantity of PCC/RCC/Brick wall etc through Pneumatic Breaker machine with tractor mounted air compressor, driver & operator for all elevations as directed by Engineer-in-charge.	3.000	No.	1,947.50	5,842.50
8	Chipping plaster of any mix	69.000	M2	80.75	5,571.75
9	All types of brick flooring	3.000	M2	80.75	242.25
10	Removal of doors, windows (steel or wooden), Rolling shutters, etc. with frame.	35.000	M2	161.50	5,652.50
11	All type of floor/dado like ceramic / glazed / vitrified tiles / kota stone / marble / granite etc.	170.000	M2	80.75	13,727.50
12	Wooden / Aluminum partitions fully paneled / partly glazed / double skin , Alum. Doors, Windows, etc.	15.000	M2	123.50	1,852.50
13	Same as above item but for total executed gross work done quantity less than or equal to 2.10 sqm at single location/specific work site for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work site.	3.000	No.	242.25	726.75
14	False ceiling including removing of Aluminum grid work nova teak/ gypsum board tiles, Aluminum strips G.I. hangers, hooks, etc.	70.000	M2	80.75	5,652.50
15	Same as above item but for total executed gross work done quantity less than or equal to 1.00 sqm at single location/specific work site for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work site.	3.000	No.	95.00	285.00
16	Removing floor spring of Alum. doors	10.000	No.	123.50	1,235.00
17	Removing of various pipe lines (excavation and backfilling, jari cutting, etc. shall be paid separately under relevant items) (a) GI pipe up to & incl. 50 mm dia.	25.000	RM	47.50	1,187.50
18	(b) GI, CI, SW, AC, pipelines more than 50mm dia. & incl. 150 mm dia.	121.000	RM	80.75	9,770.75
19	(c) PVC pipe up to 150mm dia.	2.000	RM	42.75	85.50
20	Removing of RCC hume pipe (excavation and backfilling, etc. shall be paid under relevant items) (a) RCC pipe Up to 300 mm dia	3.000	RM	242.25	726.75

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21	(b) RCC pipe 450 mm dia & up to 600 mm dia	3.000	RM	646.00	1,938.00
22	Indian or European W.C., Urinals, Wash basins, Nahni trap & similar fittings.	7.000	NO.	403.75	2,826.25
23	Road cutting ( including seal coat, carpet, semi grouting, & rubble soling.)	1.000	M3	475.00	475.00
24	Removing of glass panels from aluminium partition, doors, windows, etc. and refixing the same as per requirement.	1.000	M2	123.50	123.50
25	Cutting zari up to avg. 50mm x 50mm with cutting machine / manually in brick masonry wall for piping work	100.000	Rm	61.75	6,175.00
26	Providing grooves in existing wall for laying of various conduits etc. up to avg. 100mm deep and 100mm wide in perfect line and shape.	3.000	RM	80.75	242.25
27	Same as above but for flooring.	39.000	RM	123.50	4,816.50
28	Conditional scaffolding charges for all above works of Part-A as per site & safety requirements for the work needs to be executed by providing safe MS scaffolding for work height more than and equal to 4.00M where, according to GIPCL, no other option to execute the work without scaffolding. Approx. size of scaffolding requirement shall be pre-approved through GIPCL before execution. Charges includes providing approved scaffolding materials (MS pipes with clamps, base plates, etc), erection of standard scaffolding as approved by GIPCL, make proper & safe approach & platform with safe guard and dismantling & demobilization of the same after completion of given scope of work. No any idle charges will be considered due to delay from either side due to whotsoever reason.	300.000	M2	133.00	39,900.00
<b>B. EARTHWORK, FILLING, DRESSING:</b>					
29	Earthwork in excavation below ground level in foundation, trenches, pits, drains, chambers, etc. in all class of soil except hard rock including dewatering, shoring, strutting, if necessary, dressing of the sides and bottom, stacking of useful materials as required, back filling with selected excavated materials, compacting the back filling, removing of surplus earth after back filling outside premises at suitable location within lead of 3.0 kms. etc. complete as directed by Engr. (a) 0.0 m to and including 1.5 m (avg.)	250.000	M3	161.50	40,375.00
30	(b) Below 1.5 m & upto 3.0 m (avg.)	3.000	M3	190.00	570.00
31	(c) Below 3.0 m & upto 5.0 m (avg.)	3.000	M3	199.50	598.50
32	(d) same as above but excavation with JCB up to 5M depth (avg.)	200.000	M3	209.00	41,800.00
33	(e) Excavation with 300mm dia. auger boring UP TO 2M depth	20.000	RM	190.00	3,800.00
34	Same as above item no. 29 to 33 but for total executed gross work done quantity less than or equal to 0.50 M3 at single location/specific work site for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work site.	3.000	No.	95.00	285.00
35	Excavation for pit including dewatering, removing of mud, shoring, strutting, etc.for attending leakages of pipe line, etc. complete	3.000	M3	261.25	783.75
36	Earth work in excavation (area grading) in all type of soil upto grade level/required level as directed by Engineer-in charge and transportation and disposal of excavated material to the dump sites within the lead of 03 (three) kms. Including maximum lift of 1.0 mtr.	3.000	M3	85.50	256.50
37	Backfilling to proper grade & level with selected available earth within a plant area including reexcavating the deposited earth earlier, breaking clods, laying at all depths and height in layers of avg. 15 cm loose thickness, watering and ramming to compaction, dressing, etc. for general site grading & plinth filling etc.complete	4.000	M3	95.00	380.00
38	- do - without consolidation	3.000	M3	76.00	228.00
39	Carting of surplus earth & debris including re-excavating the earth deposited earlier, transportation with tractor, loading & unloading, dumping, with all leads & lifts, etc, complete. The contractor shall make his own arrangement for disposing the debris / earth out side plant area up to 3KM lead (one side).	3.000	TRIP	365.75	1,097.25

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
40	Surface dressing of the ground in ordinary soil including removing vegetation, pebbles, aggregates and stacking as directed, excavation / filling upto avg. 150mm thickness, disposal of rubbish and excavated materials to a lead of 1 Km. as directed or outside premises at suitable location, dressing, leveling to required gradient, compacting, etc. complete.	42.000	M2	11.40	478.80
41	Filling fly ash under floors, in foundations, plinths, roads etc. including spreading in layers of avg. 20 cm loose thickness at all depths, watering, consolidation, dressing and leveling, etc. complete. (Fly ash of required quantity shall be supplied at work site on specific request and the remained/unused quantity of fly ash shall be removed from site.)	3.000	M3	95.00	285.00
42	Same as above but Fly ash will be issued from fly ash silos. Necessary transportation by fully covered dumper/truck shall be in the scope of contractor.	3.000	M3	199.50	598.50
<b>C. FOUNDATION &amp; CONCRETE WORKS:</b>					
43	Supplying & laying to proper level and slope rubble soling in any thickness as sub base for pavements, floor slabs, etc. including hand packing, wedging, binding using bed material, watering, ramming, manually compacting, dressing, etc. with all materials, labours, etc. complete. (Bed material of required quantity shall be supplied at work site on specific request and the remained/unused quantity of bed material shall be removed)	3.000	M3	1,235.00	3,705.00
44	Dressing and leveling and compacting of soil in base & side slope for construction of drain and providing, supplying & laying to proper line and level for base and side slope of drain with rubble soling in avg. thickness 230 mm as base and side slope for drain including bedding with 20 mm thick cement sand mortar (1:5), hand packing, wedging, binding, filling with cement-sand mortar (1:6) material, watering, ramming, manually compacting, dressing, dewatering, (if required) and pointing with cement-sand (1:2) mortar, curing etc. with all materials, labours, etc. complete.	3.000	M2	522.50	1,567.50
45	Providing avg. 230mm thick rubble soling (Required quantity of rubble available at JNT-13 of power plant) and filling voids with bed material in line and level including all labour charges, tools and tackles required for completing the work satisfactorily as instructed by Engg-in-charge to the line and level incl. transportation of sand from site and rubble from JNT-13 (conveyor belt) location to work site. Segregation of suitable stone/breaking to required size will be in the scope of contractor only. (Bed material of required quantity shall be supplied at work site on specific request and the remained/unused quantity of bed material shall be removed)	250.000	M3	845.50	211,375.00
46	Same as above item but pointing with cement mortar 1:4	3.000	M3	893.00	2,679.00
47	Dressing and leveling and compacting of soil in base & side slope for construction of drain with rubble soling (Required quantity of rubble available at JNT-13 of power plant) to proper line and level for base and side slope of drain with rubble soling in thickness not less than 230 mm as base and side slope for drain including bedding with 20 mm thick cement sand mortar (1:5), hand packing, wedging, binding, filling with cement-sand mortar (1:6) material, watering, ramming, manually compacting, dressing, dewatering, (if required) and pointing with cement-sand (1:2) mortar, curing with all materials (except rubble), labours, etc. complete.. Rate is incl. transportation of rubble from JNT-13 (conveyor belt) location to work site. Segregation of suitable stone/breaking to required size will be in the scope of contractor only.	100.000	M2	256.50	25,650.00
48	Providing & laying plain cement concrete 1:4:8 with 20 mm down graded stone aggregates in foundations, floors, etc. including tamping, curing, shuttering the edges, at all dept & thickness etc. complete.	75.000	M3	2,280.00	171,000.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
49	Providing anti-termite treatment and creating a chemical barrier at top surfaces of plinth, junction of wall and floor along the periphery of building, out side periphery, expansion joints, periphery of wood works, etc. with approved emulsifiable insecticides at the rates and concentrations as per IS 6313 (Part-II) including drilling of holes minimum 200 mm deep -12mm dia. at @ 300 mm c/c, filling with cement after completion of treatment, etc. complete as directed by Engr.	3.000	M2	80.75	242.25
50	Post Anti-termite treatment.	92.000	M2	33.25	3,059.00
51	Providing & laying plain cement concrete 1:2:4 with 20 mm down graded stone aggregate in flooring, plinth pavements, walkways, etc. including laying in alternate panels, tamping, curing, finishing top surface as required, shuttering, etc.complete.	36.000	M3	2,527.00	90,972.00
52	Providing & laying reinforced cement concrete of M15 or M20 grade with 20 mm down graded stone aggregates in foundations, or super structures for footing, columns, beams, walls, slab, lintels, chajjas, rafts, staircase, facias, coping, auger bore or any other places including leaving pockets, openings, vibrating, curing, etc. complete (excluding cost of shuttering, cement & reinforcement) for the following: (a) For work below Ground level (i) 0.00m. to 1.5m.	60.000	M3	2,631.50	157,890.00
53	(ii) 1.5m. to 3.0m.	29.000	M3	2,688.50	77,966.50
54	(b) For work above Ground level (i) 0.00m. to 5.0m.	200.000	M3	2,631.50	526,300.00
55	(ii) Above 5.0m. & upto 10.0m.	3.000	M3	2,878.50	8,635.50
56	(iii) Above 10.0m. & above	7.000	M3	3,087.50	21,612.50
57	Same as above item nos. 52 to 56 but for total executed gross work done quantity less than or equal to 0.50 M3 at single location/specific work site for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work site.	3.000	M3	3,800.00	11,400.00
58	Providing and laying cement concrete 1:2:4 nominal mix in layers not exceeding 150 mm depth well consolidated in foundations and steel I beams encasing or Electric pole encasing including surface cleaning of I beams/poles, preparing and ramming the base before placing the concrete and curing, watering, compacting, dewatering (if required) etc. all complete excluding cost of formwork as directed by Engineer-in-charge including cost of all labours, supervision, materials (except free issue of cement), equipments, tools & tackles.	25.000	M3	2,888.00	72,200.00
59	Providing, erecting & removing form work of concrete works at all elevation below or above grade level and for all shapes including scaffolding, centering, bracing, providing, openings/ cutouts/ pockets, etc. complete as per specifications and as directed by Engineer. a) Form work to give medium smooth finish using plain swan & wrought timber boards for foundations, rafts, pedestals, grade beams, columns, etc.upto G.L.	250.000	M2	213.75	53,437.50
60	b) Form work to give fair & smooth finish for exposed concrete surface using sheeting formed from tongued and grooved boards/plywood steel sheets for column, beams, chajjas, slabs, walls, coping, facias, fins, staircase, etc. (i) For height upto 5.0 m	100.000	M2	213.75	21,375.00
61	(ii) For height above 5.0 m	31.000	M2	232.75	7,215.25
62	Providing and erecting / fixing at position scaffolding work for any height above 3.0 mtr. level and removal after completion of specific given work including all materials & labour for two layer standard scaffolding as per specific work requirement of GIPCL and keeping scaffolding fixed for minimum week period.	10.000	M2	133.00	1,330.00
63	Same as above but keeping scaffolding fixed beyond week period for additional each day as per GIPCL's requirement only.	10.000	M2	9.50	95.00
64	Labour charges for cutting, lapping, placing and fixing in position of reinforcement bars at all elevations including binding with 18 gauge soft annealed black wire, etc. complete shown on drawings or as directed by Engineer for Mild Steel and High yield strength deformed bars.	10.000	MT	8,417.00	84,170.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
65	Grouting of M.S. inserts like pipes, angles, channels, etc. including shuttering, scaffolding, etc. at all heights. with cement concrete, etc. complete as directed.	26.000	No	114.00	2,964.00
66	RCC Grade M30 with 20mm downgraded stone aggregates for RCC precast slabs of required size to be fixed on various cable trenches and drain trenches in various locations including heavy duty hooks for lifting purpose, necessary side shuttering with 3mm thick MS flats (will be issued by GIPCL at free of cost from store) with 1 coat red oxide primer & 2 coat synthetic enamel, bottom form work for smooth finishing, compaction with surface vibrator, curing for minimum seven days, de shuttering, lifting, shifting, transporting & placing at desired locations carefully to avoid damages, which includes necessary existing trench groove chipping if required for proper fitting of pre cast on trench, etc... all complete as per the specifications with all labour, materials (except free issue of cement), equipments, tools & tackles. Work also includes removing of old damaged pre cast and shifting to Mines dump yard within seven KM lead with truck or dumpers etc. complete but excluding reinforcement charges. (a) For unit weight up to 200 Kg.	15.000	M3	7,600.00	114,000.00
67	(b) For unit weight above 200 Kg. & upto 500 Kg.	3.000	M3	7,790.00	23,370.00
68	Providing and laying 1:4 cement sand screeding average thickness of 60mm over RCC surface including cleaning the surface, curing, etc. complete as directed.	3.000	M2	194.75	584.25
69	Conditional scaffolding charges for all above works of Part-C as per site & safety requirements for the work needs to be executed by providing safe MS scaffolding for work height more than and equal to 4.00M where, according to GIPCL, no other option to execute the work without scaffolding. Approx. size of scaffolding requirement shall be pre-approved through GIPCL before execution. Charges includes providing approved scaffolding materials (MS pipes with clamps, base plates, etc), erection of standard scaffolding as approved by GIPCL, make proper & safe approach & platform with safe guard and dismantling & demobilization of the same after completion of given scope of work. No any idle charges will be considered due to delay from either side due to whatsoever reason.	10.000	M2	133.00	1,330.00
<b>D. BRICK WORK, RR MASONRY PLASTER, FLOORING:</b>					
70	Providing & laying uncoursed random rubble masonry in cement mortar 1:6 using approved quality locally available stones of good quality for wall footings etc., including scaffolding wherever necessary, curing, raking joints, dewatering wherever necessary etc. complete for work below ground/grade level at all depth and above grade level up to plinth as per specifications and drawings	11.000	M3	1,805.00	19,855.00
71	Providing & laying brick masonry of 230/345 mm thick and above in cement mortar 1:5 using approved quality locally available bricks, including scaffolding wherever necessary, curing, raking joints, etc. complete as per specifications and drawings: a) In foundations and in works below plinth/grade level.	50.000	M3	2,280.00	114,000.00
72	b) 0.00m. to 5.0m.	80.000	M3	2,470.00	197,600.00
73	c) Above 5.0m. & upto 15.0m.	9.000	M3	2,755.00	24,795.00
74	d) Above 15.0m.	8.000	M3	3,610.00	28,880.00
75	Same as above item 71 to 74 but for total executed gross work done quantity less than or equal to 0.50 M3 at single location/specific work site for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work site.	1.000	M3	2,313.25	2,313.25
76	Same as above item no. 71 but fly ash bricks issued by GIPCL on chargeable basis at basic rate of Rs. 2.00 per brick. Transportation of bricks from DEEP farm house to work place shall be in the scope of contractor. a) In foundations and in works below plinth/grade level.	1.000	M3	1,900.00	1,900.00
77	b) 0.00m. to 5.0m.	1.000	M3	2,090.00	2,090.00
78	c) Above 5.0m. & upto 15.0m.	1.000	M3	2,280.00	2,280.00
79	d) Above 15.0m.	1.000	M3	3,249.00	3,249.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
80	Providing & laying 115 mm thick brick masonry walls in cement mortar 1:5 including providing RCC mullions and transoms as shown on the drawings or as specified using approved quality locally available bricks, including scaffolding wherever necessary, curing, raking joints, etc. complete (reinforcement, shuttering and concrete of transoms and mullions will be measured and paid for separately). a) 0.00m. to 5.0m.	100.000	M2	285.00	28,500.00
81	b) Above 5.0m. & upto 10.0m.	6.000	M2	313.50	1,881.00
82	c) Above 10.0m. & upto 15.0m.	3.000	M2	342.00	1,026.00
83	d) Above 15.0m.	4.000	M2	427.50	1,710.00
84	Same as above item no. 80 to 83 but for total executed gross work done quantity less than or equal to 0.50 M2 at single location/specific work site for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work site.	18.000	M2	289.75	5,215.50
85	Same as above item no. 80, but fly ash bricks issued by GIPCL on chargeable basis at basic rate of Rs. 1.40 per brick. Transportation of bricks from DEEP farm house to work place shall be in the scope of contractor. a) 0.00m. to 5.0m.	1.000	M2	270.75	270.75
86	b) Above 5.0m. & upto 10.0m.	2.000	M2	299.25	598.50
87	c) Above 10.0m. & upto 15.0m.	1.000	M2	323.00	323.00
88	d) Above 15.0m.	1.000	M2	403.75	403.75
89	Providing smooth cement plaster avg. 13 mm thick in cement mortar 1:4 for RCC, brick work including scaffolding, curing, etc., complete as per specifications. a) 0.00m. to 5.0m.	600.000	M2	133.00	79,800.00
90	b) Above 5.0m. & upto 10.0m.	22.000	M2	142.50	3,135.00
91	c) Above 10.0m. & upto 15.0m.	109.000	M2	152.00	16,568.00
92	d) Above 15.0m.	40.000	M2	156.75	6,270.00
93	Same as above item no. 89 to 92 but for total executed gross work done quantity less than or equal to 0.50 M2 at single location/specific work site for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work site.	1.000	M2	142.50	142.50
94	Same as above item no. 89 to 93 but including providing chicken mesh at all level.	10.000	M2	180.50	1,805.00
95	Providing avg. 6 mm thick cement plaster to ceiling in cement mortar 1:3 including scaffolding, curing, etc. complete.	10.000	M2	128.25	1,282.50
96	Providing exterior sand faced cement plaster avg. 20 mm thick in 2 layers (first layer of 14 mm and second layer of 6mm thickness) in cement mortar 1:4 using approved quality sand for second layer finished on RCC, brick work, including scaffolding, curing, etc. complete as per specifications. a) 0.00m. to 5.0m.	20.000	M2	171.00	3,420.00
97	b) Above 5.0m. & upto 10.0m.	3.000	M2	190.00	570.00
98	c) Above 10.0m. & upto 15.0m.	3.000	M2	237.50	712.50
99	d) Above 15.0m.	49.000	M2	285.00	13,965.00
100	Prov.& making avg. 12 mm x 12 mm grooves in plaster	3.000	RMT	38.00	114.00
101	Providing vata (approx 100 x 100 mm in triangular shape) in CM 1:2 including finishing with cement slurry, chipping, curing, scaffolding, if required, etc. complete.	500.000	RM	71.25	35,625.00
102	Providing & laying brick on edge flooring in cement mortar 1:6 including preparation of sub-base in proper grade & camber, compacting, laying in approved pattern, pointing, watering, curing etc. complete as directed by Engineer.	8.000	M2	285.00	2,280.00
103	Same as above item , but fly ash bricks issued by GIPCL on chargeable basis at basic rate of Rs. 2.00 per brick. Transportation of bricks from DEEP farm house to work place shall be in the scope of contractor.	1.000	M2	237.50	237.50
104	Providing & laying avg. 40 mm thick (1:2:4) Indian Patent Stone flooring with cement concrete 1:2:4 using 10 mm down graded black trap aggregates at various elevations, in alternate panels including preparation of base,finishing to line levels & camber, rounding junctions and corners,curing, edge shuttering etc., complete as per specifications and as directed by Engineer.	150.000	M2	218.50	32,775.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
105	Providing & laying approved make approved quality glazed tiles of required size having conforming to IS:777 in floors & dado over avg. up to 25mm thick cement mortar 1:3 bedding as per site requirement directed by Engr.-in-charge including pointing the joints, cleaning, washing, etc. complete as per specification (Basic Rate of tiles shall be Rs. 700/- per M2).	50.000	M2	950.00	47,500.00
106	Same as above item, but for coloured / pattern glazed tiles of required size.	3.000	M2	1,045.00	3,135.00
107	Same as above item no. 105 & 106 but for total executed gross work done quantity less than or equal to 5.00 M2 at single location/specific work site for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work site.	3.000	M2	1,140.00	3,420.00
108	Providing & laying in required size tiles of NITCO/SPARTEK/BELL /KAJARIA CERAMIC' or its equivalent quality of approved plain shade in floor/ dado over avg. 25mm thick bedding of 1:6 cement mortar, cutting chase in walls as required including pointing of the joints with white cement mixed with colour pigment to match, curing, etc. complete in floors (Basic Rate of tiles shall be Rs. 655/- per M2).	50.000	M2	883.50	44,175.00
109	Same as above item no. 108 but for total executed gross work done quantity less than or equal to 5.00 M2 at single location/specific work site for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work site.	3.000	M2	1,045.00	3,135.00
110	Same as above item no. 108 & 109 but for approved make, size & shade vitrified tiles (Basic rate of tiles Rs. 610/- per M2).	3.000	M2	836.00	2,508.00
111	Same as above item no. 108 but for ceramic tiles (basic rate of tiles Rs. 510 per sq. mtr)	3.000	M2	741.00	2,223.00
112	Providing & laying Machine cut 25 mm thick polished Kota stone in flooring, dado, skirting, etc. laid on avg. 20 mm thick cement mortar 1:4 mix in proper line & level including machine polishing to the satisfaction of Engr. etc. complete as directed by Engr in charge.	20.000	M2	760.00	15,200.00
113	Same as above item no. 112 but for risers, treads, platform patti, etc...	3.000	M2	897.75	2,693.25
114	Same as above item no. 112 but for machine cut, double polished for partitions, selves in cupboard, etc.	1.000	M2	940.50	940.50
115	Providing & laying vinyl PVC tiles/ rolls on flooring, skirtings, etc. with 2mm thick 'CARARA' 'WONDER FLOOR' or equivalent make of approved colour all as per manufacturer's instructions and as directed by Engr.	1.000	M2	788.50	788.50
116	Acid brick lining works Supplying & fixing A R bricks with following specifications: a) Cleaning the surface with wire brush & broom brush b) Applying One coat of Bituminous primer @ 0.250 gm per m2 of Acid Resistant grade confirming to IS 158 c) Laying 6 to 8 mm th. Acid Resistant grade Mastic lining confirming to IS 9510 over the primed surface d) Laying of A R bricks of size 230*115*38 mm class -I as per IS 4860 bedding with potassium Silicate Mortar 6 to 8 mm th. As per IS 4832 part-I e) Filling the joints of A R brick 4 to 6 mm wide & 15 to 20 mm depth with Furan based mortar as per IS 4832 part-II	15.000	M2	3,040.00	45,600.00
117	Do as above but Acid Resistant brick shall be of size 230mm X 115mm X 75mm thick Class-I as per IS 4860.	3.000	M2	3,515.00	10,545.00
118	Supplying & fixing Acid Resistant bricks with following specifications: a) Cleaning the surface with wire brush & broom brush. b) Applying One coat of Bituminous primer @ 0.250 gm per M2 of Acid Resistant grade confirming to IS 158 c) Laying 6 to 8 mm thick Acid Resistant grade Mastic lining confirming to IS 9510 over the primed surface. d) Laying of Acid Resistant bricks of size 230mm X 115mm X 38mm class-I as per IS 4860 bedding with 4 to 5 mm thick and jointing with 3 to 4 mm thick Furan based mortar as per IS 4832 part II	150.000	M2	4,037.50	605,625.00
119	Do as above but Acid Resistant brick shall be of size 230mm X 115mm X 75mm thick Class-I as per IS 4860.	3.000	M2	5,035.00	15,105.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
120	Providing & laying black/green granite of approved quality including cutting, placing in line and level on avg. 20mm thk. CM 1:3 bedding and cement paste, filling the joints with approved colour cement, cleaning, finishing in all respect, etc. complete as directed by Engr. in charge. (Basic rate of granite Rs.150 / Sq.ft.)	3.000	M2	2,109.00	6,327.00
121	Providing & laying epoxy lining vinylester resin type/Hindustan ciba-geigy or equivalent approved make with minimum 3 mm thickness to withstand 30% HCL and 50% NaOH on concrete surfaces of tank, foundations, drains and floors as per manufacturer's instructions, including preparing surfaces by acid washing, removing of concrete lumps, existing lining if any, filling of putty for rectifying existing surface etc. complete as directed by Engr.	3.000	M2	1,377.50	4,132.50
122	Providing & applying chemical resistant (H2SO4 with 98% concentrate) epoxy lining on sound RCC surface after necessary surface preparation like removing dust, dirt, loose mortar, paint, algae, fungus or any other foreign material then applying epoxy primer "Fosroc" make Nitoprime 25, applying touching putty at required places with "Fosroc" make Nitocote VF epoxy putty then mixing & applying first coat of "Fosroc" make Nitocote EN901 - High chemical resistant protective lining (when lining is wet, apply 360 GSM glass fiber cloth which shall be pressed & smooth out with roller & allow the same to dry), application of second coat of "Fosroc" make Nitocote EN901, both coat as per specified standard coverage, etc complete as per manufacturer's specifications with all materials, labour, tools & tackles and as directed by Engineer-in-charge.	25.000	M2	1,805.00	45,125.00
123	Providing and laying compacted avg. 230mm thick boulder pitching with approved quality black rubble, filling interstices with smaller pieces and murrum as binding material including preparation of sub base by excavating / filling, dressing, the surfaces in proper slope and compacting manually, watering, hand packing of stones, hammering smaller pieces into voids, laying in line level & proper slope, filling joints with cement mortar 1:6 and pointing in CM 1:4, etc. complete as per specifications.	3.000	M2	570.00	1,710.00
124	Polishing work of existing terrazzo/ kota stone/ marble/mosaic tiles, on floor, terrace, dado and skirting with machine and by hand in single or double operation including filling the joint with grey, white or coloured cement, leveling by grinding with machine and bringing the floor to granothick finish including washing, cleaning with oxatic acid and polishing the floor with wax polish with all labour, materials, etc. complete.	3.000	M2	76.00	228.00
125	Polishing edges of Marble stone / Kota stone	3.000	Rm	38.00	114.00
126	Polishing edges of Granite stone	3.000	Rm	57.00	171.00
127	Labour charges for laying floor tiles & dado including cement mortar bedding, filling joints with white cement colour filler, curing, etc. complete (only Tiles shall be issued free of cost by GIPCL at stores).	3.000	M2	342.00	1,026.00
128	Conditional scaffolding charges for all above works of Part-D as per site & safety requirements for the work needs to be executed by providing safe MS scaffolding for work height more than and equal to 4.00M where, according to GIPCL, no other option to execute the work without scaffolding. Approx. size of scaffolding requirement shall be pre-approved through GIPCL before execution. Charges includes providing approved scaffolding materials (MS pipes with clamps, base plates, etc), erection of standard scaffolding as approved by GIPCL, make proper & safe approach & platform with safe guard and dismantling & demobilization of the same after completion of given scope of work. No any idle charges will be considered due to delay from either side due to whatsoever reason.	10.000	M2	133.00	1,330.00



SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
<b>E. DOORS, WINDOWS, PARTITION, WOOD WORK, ROLLING SHUTTER, CEILING, ETC.:</b>					
129	Providing & fixing Malaysian sal wood frame from 125mmx65mm size sections for door along with 30mm thick commercial flush door shutters including providing 6 Nos. of hold fasts fixed in concrete block (M-15) for make heavy duty hinges, Iron oxidized fixtures like handles, aldrops stoppers, pagstays, etc. including teakwood edge lipping, etc. with two or more coats of synthetic enamel paint of approved make and shade over a coat of primer, etc. complete as per design or approved make laminate on both sides as per design.	3.000	M2	4,417.50	13,252.50
130	Providing & fixing standard 30mm thick commercial flush door shutters with existing door frame including providing 6 Nos. of hold fasts fixed in concrete block (M-15) for make heavy duty hinges, Iron oxidized fixtures like handles, aldrops stoppers, pagstays, etc. including teakwood edge lipping, etc. with two or more coats of synthetic enamel paint of approved make and shade over a coat of primer, etc. complete as per design or approved make laminate on both sides as per design.	3.000	M2	3,116.00	9,348.00
131	Supplying & fixing standard steel 'Z' section openable windows / ventilators as per detail drawing with 12mm Sq. M. S. safety bars at 100 mm c/c including 5.5 mm wired / plain glass fixed with glazing pins & special metal filler putty, holdfast embedded in concrete (1:2:4) blocks, fixing Iron oxidized fixtures, like handles, peg stays, aldrops, etc. with one coat of zinc chromate primer & two coats of oil paint of approved shade and make, etc. complete.	3.000	M2	3,942.50	11,827.50
132	Providing and fixing M.S. rolling shutters fabricated from 18 gauge steel laths with side guides, bottom rail, brackets, door suspension shaft, housing box at the top including one coat of zinc chromate primer and two coats of oil paint.	3.000	M2	4,560.00	13,680.00
133	Same as above item but for gear operated rolling shutter	15.000	M2	5,415.00	81,225.00
134	Providing and fixing in position <b>powder coated aluminium windows having sections of Jindal, Narmada, Banco or equivalent make having section with two track section</b> 61.85 mm x 31.75 mm (weight 0.695 kg/mtr) shutter framing size 40mm x 18mm (weight 0.464 kg/mtr.) mounted on bearing to slide on tracks including 5 mm clear plain sheet glass, PVC track gasket, EPDM rubber gasket on glass of weather tightening along with locks, handle including sealing gap with marble surfaces with silicon sealants making it water proof in all manner, etc. complete at all floor levels. a) Fixed type	3.000	M2	3,942.50	11,827.50
135	b) Sliding type	25.000	M2	4,227.50	105,687.50
136	c) Openable shutter type	15.000	M2	4,227.50	63,412.50
137	Same as above item nos. 134 to 136 but for providing and fixing 4mm thick plain glass "Modi" or equivalent brand in existing glazed windows or doors or ventilators including removal of damaged existing glass with do care.	17.000	M2	1,258.75	21,398.75
138	Same as above but for cupboard shutters with frame and both side laminated 12mm thick Novapan paneling in place of glass.	3.000	M2	1,187.50	3,562.50
139	Providing and fixing in position <b>powder coated aluminium louvered glass ventilators of adjustable type</b> including with frames having section 50mm x 25mm (weight 0.50 kg/mtr.) glazing cleat section (weight 0.096 kg/mtr) with fixing 4 mm thick bajri / clear glass making frame and glass water tight, making it good, etc. complete at all floor levels.	3.000	M2	3,847.50	11,542.50
140	Providing & fixing in position fully glazed aluminium door size and shape as per details by using extruded section fabricated by standard manufacturer with outer frame of size 101.5x44.5x2.0mm door shutter with top rail of size 44.5x47.5x2mm & lock and bottom rail of size 114x44.5x2mm or with equivalent alum. sections with 15 micron silver/colour anodizing with 5 mm plain glass including all necessary standard approved fixtures like locks, hinges, contact tower bolt, PVC gasket and weathering, aluminium screws, beadings, etc. complete as directed (excluding floor spring).	10.000	M2	5,890.00	58,900.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
141	Providing & fixing in position aluminium partition as per size and shape as per details by using extruded anodized sections fabricated by standard manufacturer with top & vertical members of size 63.5x38x2.0mm thick and middle & bottom members of 100x38x2mm thick with 15 micron silver/colour anodizing. All the sections are to be filled with timber for better fitment of the screws. The bottom panel shall be fitted with 12mm thick Bhutan prelaminate boards and 5.5mm thick plain glass in top panel including all slanted accessories like screwless beading, PVC gasket, etc. complete as directed.	20.000	M2	4,845.00	96,900.00
142	Providing and fixing Sintex door with frame as per manufacturers specifications including necessary hinges, aldrops, stoppers, handles, etc. complete.	20.000	M2	2,375.00	47,500.00
143	Same as above but for windows	1.000	M2	2,375.00	2,375.00
144	Providing and fixing pressed metal steel door frame of TRIGON make or equivalent (conforming to IS-4351-1976) with door shutter fabricated from 18 gauge steel sheet making hollow section of 38mm out to out of two faces of shutter, stiffened with stiffener angles including six hold fast of 25x25x3mm - 300 mm long to be fixed in 1:2:4 concrete block including fixing removable iron oxidized fixtures like hinges, handles, aldrops, stoppers, etc. with one coat of zinc chromate primer & two coats of synthetic enamel paint of approved shade & make, etc. complete.	2.500	M2	6,175.00	15,437.50
145	Providing & fixing wood work for doors, windows, partition frames, ceiling frames, etc, including finishing, grinding with sand paper applying one coat of wood primer and cost of all labour, material, etc. complete for following category of wood: a) First class teak wood	0.500	M3	90,250.00	45,125.00
146	b) First class Deodar/Chill wood	0.500	M3	69,350.00	34,675.00
147	Providing & fixing Monarch or its equivalent quality water proof ply wood for partition, ceiling, walls, cupboard shelves, doors, etc, including necessary hardware, etc. complete as directed. a) 6 mm thick	1.000	M2	1,187.50	1,187.50
148	b) 12 mm thick	15.000	M2	1,976.00	29,640.00
149	Providing, supplying & applying standard 1.5mm thick single piece "Greenlam" or other equivalent approved make, color & shade laminate of basic rate Rs. 490/- per M2 on table, partition, shutter, which includes removing the doors/partitions, cleaning & necessary roughing the surface for proper bonding of new laminate, fixing the full size single piece laminate with approved adhesive, ensuring zero air entrapping, refixing the door/partition in proper alignment for smooth operation with new fasteners, new SS hinges, including removing & refixing door closures, name plates, door stoppers, etc... whichever necessary.	30.000	M2	1,900.00	57,000.00
150	Providing & fixing water proof block board standard 19 mm thick of approved quality for partition wall, cupboard, display boards, shelves, etc. including necessary hardware.	3.000	M2	1,995.00	5,985.00
151	Supplying & fixing standard Novopan 12mm thick both side prelaminate particle boards of approved shed & colour, for partition, cupboards, doors, etc.	3.000	M2	688.75	2,066.25
152	Providing, supplying & fixing SS Body "Godrej" make mortise door lock with handle & key, including removing existing locks. Basic Rate Rs. 3000/- per No.	10.000	No.	3,325.00	33,250.00
153	Supplying & fixing in position false ceiling with alum. Grid work 35x25x1.5mm bulb tee in main & 25x25x1.5mm tee of approved quality, including making provision for electrical and air conditioning fittings, flush with ceiling, providing & fixing GI hooks, 8 SWG GI wire suspension, fixing aluminium grid work to R.C.C. slab and 25 x 25 x 1.5mm angle to walls, etc. with necessary hardware, drilling of holes and supplying and fixing 12mm thick 600x600mm size plain Gypsum boards in alum. frame work, etc. complete.	41.000	M2	950.00	38,950.00
154	Providing & Fixing "Armstrong-Classic lite" or equivalent approved make false ceiling of approved colour and textures including standard "Armstrong" grids, channels as per detailed manufacturer's specifications as directed by Engineer-in-charge.	25.000	M2	1,083.00	27,075.00
155	Providing, supplying & fixing SS Body "Godrej" make door keyless locks (baby latch) with handle for toilet doors including removing existing locks. Basic Rate Rs. 1500/- per No.	3.000	No.	1,676.75	5,030.25

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
156	Providing & fixing Aluminum Composite Paneling with 3mm ACP Timex Bond or equivalent approved make inclusive of necessary 5mm thick glass work below 4 feet height from roof level and up to exterior parapet wall as per manufacturer's specifications and as directed by Engineer-in-charge.	3.000	M2	2,850.00	8,550.00
157	Providing and fixing standard 5mm thick aluminum grills (opening 50mm x 60mm) to the windows and ventilators, as per site requirement with necessary fasteners, fixtures, bolting, drilling in walls/marble etc. complete as directed by Engineer-in-charge including providing outer frame of "F" channel regular section 1" X 1/2" plain anodized and internal support at 750mm spacing with "H" channel of regular section 2" X 1/2" plain anodized and finishing etc complete.	10.000	M2	2,090.00	20,900.00
158	Repairing of existing false ceiling with providing and fixing & anchoring in true horizontal line and level suspended Gypboard false ceiling by fixing with all required 12.5mm thick Gypboard material & as required accessories like G.I.Perimeter channels, screw, rawl plug, GI intermediate channel with MS flat, GI cleat, expansion fasteners, connection clip etc. complete to match with in line and level of existing false ceiling and also including putty finishing and applying two coats of flat oil paint over coat of primer etc. complete. as directed by Engineer-in-charge.	3.000	M2	688.75	2,066.25
159	Supplying & fixing standard 12 mm thick of required size plain Gypsum board tiles in ceiling incl. removing of damaged boards.	3.000	No	394.25	1,182.75
160	Providing & fixing "Gyptech" vinyl laminated gypsum panel false ceiling including standard grids, channels as per standard specifications.	10.000	Sqft	80.75	807.50
161	Labour charges for fixing door lock supplied by GIPCL.	3.000	No	242.25	726.75
162	Providing heavy duty Iron oxidized fixtures to doors / windows including fixing with nuts, bolts, screws, etc. complete. Carpenter supply will be paid separately under following subsequent item on prorata basis as certified by Engineer-in-charge. Contractor shall require to ensure completion of jobs once the carpenter provided for the day.				
	a) Aldrop - 250mm long	20.000	No	190.00	3,800.00
163	b) Handle	20.000	No	133.00	2,660.00
164	c) Stopper 150mm	20.000	No	114.00	2,280.00
165	d) Window handle	20.000	No	114.00	2,280.00
166	e) Window latches	20.000	No	114.00	2,280.00
167	Same as above item but for heavy duty Aluminium fixtures.				
	a) Aldrop - 250mm long	20.000	No	190.00	3,800.00
168	b) Handle	20.000	No	57.00	1,140.00
169	c) Stopper 100mm	20.000	No	85.50	1,710.00
170	c) Stopper 100mm	20.000	day	494.00	9,880.00
171	Providing & fixing in position GODREJ MAKE- HYDRAULIC DOOR CLOSER- H.D. with adjustable spanners and screws including all fixtures, materials, labours, etc. complete.	3.000	No	2,375.00	7,125.00
172	Same as above item but for labour charges only (door closure shall be supplied free of cost by GIPCL).	20.000	No	242.25	4,845.00
173	Providing & fixing vertical venetian blind "VISTA or approved equivalent make" with approved colour fabrics, mechanized guide rail, Nylon chord, etc. complete with standard fixtures as per manufacturer's instructions.	20.000	M2	1,187.50	23,750.00
174	Supply of various spares & parts for servicing/repairing of existing venetian blinds.				
	a) Vertical blind code	17.000	Meter	19.00	323.00
175	b) Vertical hanging chain	20.000	Meter	95.00	1,900.00
176	c) Chain pulley	20.000	No.	342.00	6,840.00
177	d) Bottom weight	100.000	No.	47.50	4,750.00
178	e) Side lock	10.000	No.	147.25	1,472.50
179	f) Runner	3.000	No.	38.00	114.00
180	g) Head rail	6.000	Feet	199.50	1,197.00
181	h) End control unit	10.000	No.	342.00	3,420.00
182	i) Tilt rod	10.000	No.	199.50	1,995.00
183	j) Tilter chain	10.000	Meter	95.00	950.00
184	k) Installation bracket	3.000	No.	95.00	285.00
185	l) Cord weight	10.000	No.	95.00	950.00
186	m) Fabric blind/strip	44.000	Feet	38.00	1,672.00
187	o) Fabric strip dry cleaning	500.000	Feet	4.75	2,375.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
188	Supplying & fixing floor spring of Everite or equivalent quality including removing of existing floor spring, fixing new unit with all materials & labour etc. complete. (I) Small size	6.000	No	3,800.00	22,800.00
189	(II) Big Size	6.000	No	5,320.00	31,920.00
190	Labour charges for repairing of alum. Door/window shutter and servicing floor spring/channels/rollers as per instruction including changing of oil removing of door if required, setting, fitting loose sections of door etc complete. (The payment of parts will be made in respective item for supply of parts.)	70.000	No	855.00	59,850.00
191	Supplying and fixing item/parts required for repairing of aluminium doors/windows. Carpenter supply will be paid in separate item on prorata basis.				
	a. Piston	3.000	No	522.50	1,567.50
192	b. Cam	3.000	No	361.00	1,083.00
193	c. Bearing	3.000	No	351.50	1,054.50
194	d. U-rod spring	3.000	No	361.00	1,083.00
195	e. Roller bearing for sliding window	48.000	No	76.00	3,648.00
196	f. Pivot	3.000	No	427.50	1,282.50
197	g. Alum. Self locking handles for alum. windows	3.000	No	57.00	171.00
198	h. Alum. Handle for Door	3.000	No	61.75	185.25
199	i. S.S. Hinges up to 100 mm	7.000	No	61.75	432.25
200	j. Alum. latch	3.000	No	61.75	185.25
201	k. Heavy duty Aluminium foot stopper-with two legs	3.000	No	95.00	285.00
202	l. Heavy duty brass foot stopper	3.000	No	61.75	185.25
203	m. PVC beading	166.000	R.mtr.	61.75	10,250.50
204	n. Aluminium Panel patti for glass/wooden paneling	30.000	R.mtr.	42.75	1,282.50
205	o. Lock for Aluminium door.....	12.000	No.	570.00	6,840.00
206	Providing and fixing wooden frame, shutters with 18mm thick water proof ISI mark ply wood including teak wood framing of 45x35mm to the shutters & moulding with providing 1mm thick laminate outside and French polish inside including all necessary fasteners, fixtures, magnets, hinges, handles etc. all complete. Unit rate will be same for providing standard drawer unit with telescopic channels as per above specifications. Rates are including all material, labour, supervision, transportation, loading, unloading, machineries, tools, tackles, etc.	10.000	FT2	541.50	5,415.00
207	Providing and fixing Netlon or approved make mosquito net to the existing MS or wooden windows, ventilators, doors etc with necessary wooden or PVC framing including drilling in wall, bolting etc with all material, labour, tools & tackles.	10.000	M2	128.25	1,282.50
208	Providing and applying Sun control film "Gareware" make approved colour & shade for ordered quantity less than 1.00 sqm by Engineer-in-charge.	10.000	No.	437.00	4,370.00
209	Same as above but ordered quantity more than or equal to 1.00 sqm.	13.000	M2	437.00	5,681.00
210	Charges of applicator with tools & tackles and to & fro transportation cost for above item no. 208 & 209.	3.000	No.	484.50	1,453.50
<b>F. Maintenance of Modular office Furniture:</b>					
211	Providing and applying "Formica" or equivalent make Laminate 1mm thick of color shade "Blue 502" with approved adhesive. Rate includes removal of existing. Carpenter supply will be paid in separate item on prorata basis.	3.000	Sqft	52.25	156.75
212	Providing and applying "Formica" or equivalent make Laminate 1mm thick of color shade "Highline Pine" with approved adhesive. Rate includes removal of existing. Carpenter supply will be paid in separate item on prorata basis.	3.000	Sqft	80.75	242.25
213	Providing and applying "Rehau" or equivalent make Laminate PVC edge binding of blue approved colour and size 22mm X 0.45 mm with approved adhesive. Rate includes removal of existing. Carpenter supply will be paid in separate item on prorata basis.	3.000	Feet	10.45	31.35
214	Providing and fixing "New Wood" or equivalent make MDF panels 12 mm thick, approved colour to MS partitions. Rate includes removal of existing. Carpenter supply will be paid in separate item on prorata basis.	3.000	Sqft	57.00	171.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
215	Providing and fixing "Demco" or equivalent make Handle 8mm thick - Type "C", SS matt finish, 4" size to particle / wooden shutters. Rate includes removal of existing. Carpenter supply will be paid in separate item on prorata basis.	3.000	No.	57.00	171.00
216	Providing and fixing "Demco" or equivalent make Handle 8mm thick - Type "C", SS matt finish, 6" size to particle / wooden shutters. Rate includes removal of existing. Carpenter supply will be paid in separate item on prorata basis.	3.000	No.	66.50	199.50
217	Providing and fixing "FGV" or equivalent make hinges - Half Overlay for shutters. Rate includes removal of existing. Carpenter supply will be paid in separate item on prorata basis.	3.000	No.	57.00	171.00
218	Providing and fixing "FGV" or equivalent make hinges - Full Overlay for shutters. Rate includes removal of existing. Carpenter supply will be paid in separate item on prorata basis.	3.000	No.	57.00	171.00
219	Providing and fixing "Demco" or equivalent make multi programme lock 18mm dia. Rate includes removal of existing. Carpenter supply will be paid in separate item on prorata basis.	25.000	No.	109.25	2,731.25
220	Providing and fixing "Demco" or equivalent make Telescopic channel for drawer units, size 12", 14", 20" . Rate includes removal of existing. Carpenter supply will be paid in separate item on prorata basis.	20.000	Inch	10.45	209.00
221	Providing and fixing "Bentax" or equivalent make 60 mm dia. Rollers/Caster for CPU trolley etc. Rate includes removal of existing. Carpenter supply will be paid in separate item on prorata basis.	3.000	No.	49.40	148.20
222	Providing and fixing "Ebco" or equivalent make 73 mm long stopper for shutters. Rate includes removal of existing. Carpenter supply will be paid in separate item on prorata basis.	3.000	No.	19.95	59.85
223	Providing and fixing "Ebco" or equivalent make 150 mm long stopper for shutters. Rate includes removal of existing. Carpenter supply will be paid in separate item on prorata basis.	3.000	No.	49.40	148.20
224	Fixing of teared surface of laminate/PVC binding etc., with approved adhesive. Carpenter supply will be paid in separate item on prorata basis.	3.000	INCH2	10.45	31.35
225	Visit charges of carpenter with tools & tackles including to & fro transportation for executing & completing above works under item no. 211 to 224 in case of daily given work quantity is less than 10 nos. Also in case of above material issued by GIPCL from store at free of cost, payment of carpenter for fixing of GIPCL's material shall be paid under this item on prorata basis.	25.000	No.	579.50	14,487.50
<b>G. PAINTING:</b>					
226	Visit charges of painter with tools & tackles for restricted total daily given quantity of all the following items of Part-G at one location up to 20 M2.	3.000	No.	289.75	869.25
227	Providing and painting interior surfaces with two coats of approved first quality Acrylic Distemper paint of approved manufacture, color and shade including cleaning of existing painted surface, removing dirt, dust, old paint, filling cracks with approved crack filler, filling undulations with POP/approved paint putty for making uniform surface (at required place only), scaffolding etc. complete at all elevation with all materials, labour, tools & tackles, safety tools & tackles, including shifting of racks, cupboards, tables etc. for painting of wall and repositioning of the same after completing the work, etc... all complete as directed by Engineer-in-charge	1,000.000	Sqm	47.50	47,500.00
228	Providing and painting MS window of Z section with MS square bar with one coat of minimum 40 micron DFT High Build ZP Primer and two coats of Synthetic Enamel paint, each coat of minimum 25 micron DFT, including cleaning of existing painted surface, removing all rust, dirt, dust, loose paint, providing required scaffolding, with all materials, labour, tools & tackles, safety tools & tackles at all height including cost of scaffolding, etc. all complete as per instructions of Engineer-in-charge. Area shall be measured for finished opening size on one side i.e. if size of window opening is 2.80x1.50 and painted on both side, payment will be made considering one side only.	50.000	Sqm	72.20	3,610.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
229	Providing and painting MS Door, Rolling shutter, Wooden door or any other MS surface etc... with one coat of minimum 40 micron DFT High Build ZP Primer and two coats of Synthetic Enamel paint, each coat of minimum 25 micron DFT, with required synthetic thinner including cleaning of existing painted surface, removing all rust, dust, dirt, loose paint, providing required scaffolding, with all materials, labour, tools & tackles, safety tools & tackles at all height including cost of scaffolding, etc. all complete as per instructions of Engineer-in-charge. Rate is including painting of frames. Payment shall be made on measurement of out to out frame of door i.e. area payable for one doors/rolling shutters of 2.06 x 0.9 sqm opening size is 2x2.06x0.9 sqm for painting inside and outside face of door/rolling shutter.	160.000	Sqm	85.50	13,680.00
230	Same as above item but with two coats of approved make & type of Epoxy enamel paint, each coat of average 50 micron, including required epoxy based thinner like Thinner 844.	200.000	Sqm	198.55	39,710.00
231	Same as above item but painting includes first one coat of average 25 micron Epilux-610 or approved equivalent epoxy red oxide primer and then two successive coats of approved Epoxy enamel paint.	50.000	Sqm	226.10	11,305.00
232	Same as above item but outer painting of 50mm dia. MS pipe railing. Length of painted pipe will be considered for measurement.	200.000	RM	51.30	10,260.00
233	Same as above item but required quantity of primer and paint materials with thinner will be issued by GIPCL from store at free of cost. Necessary transportation, safe storage, optimum utilization as per standard coverage area, reconciliation, returning empty paint drums, etc... will be in the scope of contractor.	200.000	Sqm	39.90	7,980.00
234	Labour charges for applying one coat of average 25 micron red oxide zinc phosphate primer to the steel structure including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust and scale by wire brushing, power tool cleaning, applying one coat of primer. Primer & thinner shall be issued from GIPCL store at free of cost. Necessary transportation, safe storage, optimum utilization as per standard coverage area, reconciliation, returning empty paint drums, etc... will be in the scope of contractor.	10.000	Sqm	21.85	218.50
235	Same as above item but labour charges for one coat of Epilux-610 or approved equivalent epoxy red oxide primer.	10.000	Sqm	22.80	228.00
236	Labour charges for applying two coats of synthetic enamel paint, each coat of average 25 micron, to the steel structure including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust and scale by wire brushing, power tool cleaning, applying two successive coats of synthetic enamel paint. Paint & thinner shall be issued from GIPCL store at free of cost. Necessary transportation, safe storage, optimum utilization as per standard coverage area, reconciliation, returning empty paint drums, etc... will be in the scope of contractor.	10.000	Sqm	39.90	399.00
237	Labour charges for painting two coats of epoxy paint to the steel structure including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust and scale by wire brushing, power tool cleaning, applying two coats of epoxy paint each coats of 50 micron thickness, including scaffolding, arrangement of platform for working at height etc. as directed by Engineer-in-charge with all labour, tools and tackles, safety tools and tackles etc.... complete at all elevations. Paint & thinner shall be issued from GIPCL store at free of cost. Necessary transportation, safe storage, optimum utilization as per standard coverage area, reconciliation, returning empty paint drums, etc... will be in the scope of contractor.	10.000	Sqm	45.60	456.00
238	Providing & painting of Barbed wire fencing with approved first quality aluminium paint, each two coats 25 micron. Barbed wire 10 straight rows and 4 cross rows in each span. Length of fencing will be considered for measurement. Painting of MS angle posts/RCC post shall be measured separately and same shall be paid in item no. 229 or 239 as applicable.	100.000	RM	51.30	5,130.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
239	Providing and painting interior/exterior surfaces with two coats of first quality approved Oil paint of approved manufacture, color and shade including cleaning of existing painted surface, removing dirt, dust, old paint, filling cracks with approved crack filler, filling undulations with POP/approved paint putty for making uniform surface (at required place only), scaffolding etc. complete at all elevation with all materials, labour, tools & tackles, safety tools & tackles, including shifting of racks, cupboards, tables etc. for painting of wall and repositioning of the same after completing the work etc... all complete as directed by Engineer-in-charge .	50.000	Sqm	74.10	3,705.00
240	Providing and applying to exterior surfaces two coats of first quality approved exterior emulsion paint of "Berger - Walmasta" or "Asian" make "ACE" exterior emulsion paint of approved color and shade over a coat of exterior sealer on existing painted surfaces as per manufacturer's recommendations including cleaning of existing surface using wire brush, removing all dirt, dust, filling of cracks with approved crack filler, preparing surface for applying painting evenly, scaffolding etc. complete at all elevation as directed by Engineer-in-charge with all materials, labour, tools & tackles, safety tools & tackles etc... all complete.	50.000	Sqm	66.50	3,325.00
241	Providing and applying two coats white washing (lime paint) of approved manufacture with mixing of "Fevicol" or equivalent approved adhesive @ 200gm per 10kg lime, on existing painted surfaces including cleaning of existing surface using wire brush, removing all dirt and dust, preparing surface for applying painting evenly, scaffolding at all elevation with all materials, labour, tools & tackles, safety tools & tackles etc... all complete as directed by Engineer-in-charge.	500.000	Sqm	17.10	8,550.00
242	Same as above item but applying two coats Geru & lime on tree stem for bottom up to 1.50M height as directed by Engineer-in-charge.	100.000	No.	19.00	1,900.00
243	Providing and painting interior surface with two coats of "Berger - Silky Luxury Emulsion" or "Asian - Royal Luxury Emulsion" paint of approved colour and shade as per manufacturer's recommendation including cleaning of existing painted surface, removing dirt, dust, old paint, filling cracks with approved crack filler, filling undulation with POP/approved paint putty for making uniform surface (at required place only), applying approved primer as per manufacturer's recommendations with tools, tackles, safety tools & tackles, scaffolding etc. complete at all elevation as directed by Engineer-in-charge. (Rates are including shifting of racks/cupboard tables etc. for painting wall and reshifting to the same location after completing the work).	200.000	Sqm	93.10	18,620.00
244	Providing and applying to exterior surfaces two coats of "Asian - Apex Weather proof exterior emulsion" or "Berger - Weather coat" exterior emulsion paint of approved color and shade over a coat of exterior sealer on existing painted surfaces as per manufacturer's recommendations, including cleaning of existing surface using wire brush, removing all dirt and dust, filling cracks with approved crack filler, preparing surface for applying painting evenly, scaffolding etc. complete at all elevation as directed by Engineer-in-charge with all materials, labour, tools and tackles, safety tools & tackles etc... all complete.	200.000	Sqm	76.95	15,390.00
245	Providing and painting surface with two coats of first quality approved oil paint for road side concrete curb blocks in two alternate black and white colour including surface cleaning with wire brush.	100.000	RM	47.50	4,750.00
246	Providing and applying two coats of first quality approved aluminum paint (each coats of minimum 20 micron thickness) over a one coat of High Build ZP Primer on 2.4 mtr. high chain link fencing including providing painting of chain link from inside and outside supporting members fabricated from angles, gates and its supporting including cleaning of existing painted surface for removing all dust and dirt, cleaning surface with wire brush and sand papers up to maximum possible extent and then applying two coats of aluminum paint with brush, providing scaffolding and safety tools, tackles, all required paint material, labours etc. complete up to the entire satisfaction of Engineer-in-charge.	100.000	Sqm	62.70	6,270.00
247	Same as above but painting of steel structures of PVC coated chain link fencing. Measurement of fencing in Sqm will be considered for payment.	100.000	Sqm	51.30	5,130.00
248	Providing and painting interior surface with two coats of first quality approved acrylic emulsion paint of approved manufacture, colour and shade including cleaning of existing painted surface, removing dirt, dust loose paint, filling cracks with crack filler, filling undulation with POP/approved paint putty for making uniform surface (at required place only), tools, tackles, safety tools and tackles, scaffolding etc. complete at all elevation as directed by Engineer-in-charge. (Rates are including shifting of racks/cupboard tables etc. for painting wall and reshifting to the same location after completing the work).	100.000	Sqm	71.25	7,125.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
249	Providing & applying approved French polish on the wooden members/ veneers including preparation of surfaces, filling of putty wherever required & applying smooth uniform polish to the satisfaction of Engineer-in-charge.	50.000	Sqm	535.80	26,790.00
250	Providing & applying approved Melamine polish on the wooden members/ veneers including preparation of surfaces, filling of putty wherever required & applying smooth uniform polish to the satisfaction of Engineer-in-charge.	50.000	Sqm	591.85	29,592.50
251	Providing & applying two coat of chlorinated rubber based acid/ alkali resistant paint of approved manufacturers specification on structural steel works/concrete works, etc. including preparation of surfaces, etc. complete.	50.000	M2	142.50	7,125.00
252	Painting of hoarding boards with enamel paints (New boards). a) Within a radius of 25 kms from our site like Kosamba, Kim Char Rasta, Valia, Tadkeshwar and Nani Naroli.	500.000	Sq.ft.	23.75	11,875.00
253	b) At our site / colony	500.000	Sq.ft.	21.85	10,925.00
254	c) At our Mines site	500.000	Sq.ft.	21.85	10,925.00
255	Painting of cloth banner including supply of cotton cloth.	500.000	Sq.ft.	20.90	10,450.00
256	Letter writing on office and stores furniture including capital items. a) For letter size 1/4"	500.000	Per letter	0.48	237.50
257	b) For letter size 1/2"	500.000	Per letter	0.48	237.50
258	c) For letter size 3/4"	500.000	Per letter	0.48	237.50
259	d) For letter size 1"	500.000	Per letter	0.48	237.50
260	e) For letter size 2"	500.000	Per letter	0.95	475.00
261	f) For letter size 3"	500.000	Per letter	0.95	475.00
262	Painting of posters (safety posters)	500.000	Sq.ft.	23.75	11,875.00
263	Writing names on buildings, structures and offices.	500.000	Sq.ft.	23.75	11,875.00
264	Scrapping, cleaning and repainting of existing boards / hoardings. a) Within a radius of 25 kms from our site.	500.000	Sq.ft.	23.75	11,875.00
265	b) At our site / colony	500.000	Sq.ft.	21.85	10,925.00
266	c) At our Mines site	500.000	Sq.ft.	21.85	10,925.00
267	Art work like Logo / emploum painting, figure painting	500.000	Sq.ft.	21.85	10,925.00
268	Painting lines of 2" thickness on floor.	500.000	R.ft.	5.70	2,850.00
269	Two coats of enamel paints on the backside of hoarding board/safety poster.	500.000	Sq.ft.	9.50	4,750.00
270	Painting of Jumbo size safety boards with enamel paints (New boards), including two coats of red oxide on both the surface of M.S. Board, two coats of synthetic enamel paint on front side and writing of safety slogan with boarder etc. complete taking all due safety precautionary measures as directed by Engineer-in-charge. a) At the elevation of 8 to 10 mtr. in power plant site.	500.000	Sq.ft.	23.75	11,875.00
271	Providing and painting existing Jumbo size MS safety boards with enamel paints, including two coats of red oxide primer then, after drying, two coats of synthetic enamel paint and finally writing of safety slogans with boarder as directed. Rate is inclusive of all necessary arrangements for working at height, scrapping and cleaning of existing boards, painting evenly with using of good quality brushes and other tools-tackles including providing and fixing of safe scaffolding for painting at any height, providing all required approved brand and shade paints, all consumables, skilled-unskilled labour, supervision, lighting, safety equipments, all required materials, tools, tackles, loading, unloading, shifting, transporting, storing of all necessary materials, equipments, tools at suitable location, disposing of residual material and empty drums of paint after completion of work to outside of plant etc., all complete as directed by Engineer-in-charge or Officer concern.	500.000	Sq.ft.	28.50	14,250.00
272	Retro Reflective sticker 3M made HIP grade ( High Intensity Prismatic) supply and fixing (MS/GI.Board is in GIPCL scope)	100.000	Sq.ft.	285.00	28,500.00
273	Engineering Grade reflective sticker (L.G. Company Reflective supply and fixing (MS/GI Board is in GIPCL scope).	100.000	Sq.ft.	190.00	19,000.00



SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
274	Providing, fabricating and supplying of Display Board using 3mm thick Aluminium Composite Panel clad on 1" sq. bright steel pipes framing as per provided sketch including printing on 3M or LG Vinyl media with eco-solvent printing with lamination and sticking same on the board as per given details like safety poster, slogan, drawing, instruction, boarder, logo etc complete mounted with two vertical post of 10' height using 2" Sq. bright steel pipe (CRC) & 8mm thick base plate of size 12"x12" including two coats of high glossy gray colour painting over one coat of primer (Asian/Berger) as directed and approved by Engineer-in charge. Note : 1) The matter on display board shall be safety poster, safety slogan, drawing, instruction, notice, etc... as decided by GIPCL. 2) Civil work & erection will be done by GIPCL.	100.000	Sq.ft.	380.00	38,000.00
275	Providing, fabricating and supplying of Safety Slogan/Poster display Board framing with 3mm thick Aluminium Composite Panel with framing of 1" Sq. bright steel pipe (CRC) including printing on 3M or LG Vinyl media with eco-solvent printing with lamination and sticking same on the board as per given details like safety poster, slogan, instruction, boarder, logo etc... complete for mounting on existing electrical pole with two heavy duty clamps of required size using flats including two coats of high glossy gray colour painting over one coat of primer (Asian/Berger) as directed and approved by Engineer-in charge. Note : 1) The matter on display board shall be safety poster, safety slogan, drawing, instruction, notice etc... as decided by GIPCL. 2) Erection on pole will be done by GIPCL.	100.000	Sq.ft.	475.00	47,500.00
<b>H. WATER SUPPLY AND SANITARY WORKS:</b>					
276	Supply charges of plumber with tools & tackles on prorata basis for fixing of following items no. 277 to 357 on prorata basis for total daily given work quantity up to 2 Units.	24.000	No.	332.50	7,980.00
277	Providing & fixing in position 'HINDUSTAN' 'CERA' or its equivalent first quality white glazed vitreous china clay WC pan with 'P' or 'S' trap as required including cutting the wall, floor, if required and making good the same, jointing inlet & outlet connections, etc. complete as directed by Engr for the following: a) ORISSA' pattern WC pan of 580 mm size (Basic rate Rs. 2,000/-)	3.000	No.	2,755.00	8,265.00
278	b) EUROPEAN' type WC pan-580 mm size with plastic seat cover (Basic Rate Rs. 4,550/-)	3.000	No.	5,510.00	16,530.00
279	c) ANGLO INDIAN' type WC pan 580 mm size (Basic rate Rs. 1,900/-)	3.000	No.	2,755.00	8,265.00
280	Providing & fixing white glazed vitreous China clay HINDUSTAN' 'CERA' or its equivalent first quality wash hand basin of 550mm x 400mm size with CI brackets including grouting the C.I. bracket in wall with cement concrete, jointing inlet & outlet connections, etc. complete as directed. Basic rate of wash basin Rs. 1,000/-	3.000	No.	1,900.00	5,700.00
281	Same as above but for Oval shape wash hand basin of size 600 mm for basic rate Rs. 1,700/-	3.000	No.	2,660.00	7,980.00
282	Providing & fixing white glazed flat back urinals HINDUSTAN' 'CERA' or its equivalent first quality of 465 x 365 x 265 mm size including CI brackets, fixing with screws in wall, inlet, outlet connections, etc. completed. Basic rate of Urinal Rs. 750/-	3.000	No.	1,710.00	5,130.00
283	Same as above item but for flat back half stall type urinal of size 610 x 410 x 380 mm. Basic rate of Urinal Rs. 1,900/-	3.000	No.	3,040.00	9,120.00
284	Providing & fixing mirror of Gold fish, Atul Modi or equivalent quality mirror glass of size 550 x 400 x 5 mm thick with 6 mm thick marine plywood/ pvc sheet back including PVC frame, hook for fixing on wall, with necessary rawal plugs, screws, etc. complete with all labour and materials. Basic cost of mirror with back sheet & accessories Rs. 950/-	10.000	No.	1,045.00	10,450.00
285	Supplying & fixing white glazed vitreous China partitions of 'HINDUSTAN' 'CERA' or its equivalent quality 840 x 300 mm size for urinals including fixing to wall, etc. complete.	3.000	No.	760.00	2,280.00
286	Providing & fixing approved quality C.P. brass towel rail of 20 mm dia x 600 mm long including C.P. brass brackets, fixed with wooden cleats and CP brass screws, etc. complete.	3.000	No.	570.00	1,710.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
287	Providing & fixing superior quality stainless steel soap dispenser with CP brass screws, etc. complete. Basic rate Rs. 700/-	3.000	No.	912.00	2,736.00
288	Providing and fixing stainless steel sink of Nirali or equivalent make of 460x385x178mm size in line and level including necessary down take connections etc. complete. Basic rate Rs. 4,000/-	3.000	No.	4,845.00	14,535.00
289	Providing & fixing CP brass L&K, crown, prince or equivalent quality fixtures of 1/2" dia,(15 mm) including fixing of new fittings with Teflon or holdtight, removing of existing fixtures, etc. complete for the following: a) Bib Tap (Basic rate Rs. 550/-)	10.000	No.	679.25	6,792.50
290	b) Gravity control bib tap (Basic rate Rs. 650/-)	3.000	No.	774.25	2,322.75
291	c) Pillar tap (Basic rate Rs. 550/-)	3.000	No.	679.25	2,037.75
292	d) Stop cock (Basic rate Rs. 400/-)	3.000	No.	522.50	1,567.50
293	e) Angle cock (Basic rate Rs. 400/-)	3.000	No.	522.50	1,567.50
294	f) Reinforced PVC inlet pipe up to 600mm long (Basic rate Rs. 85/-)	3.000	No.	142.50	427.50
295	g) C P heavy duty bottle trap (Basic rate Rs. 1,000/-)	3.000	No.	1,140.00	3,420.00
296	h) Cera or equivalent approved make Urinal brass Spreader (Basic rate Rs. 610/-)	3.000	No.	688.75	2,066.25
297	i) C. P. Shower (Basic rate Rs. 900/-)	3.000	No.	1,026.00	3,078.00
298	Providing & fixing white / black plastic solid heavy duty toilet seat cover, CP hinges and rubber buffers, removing of existing cover, etc. complete (basic price of cover Rs. 900/-).	3.000	No.	1,045.00	3,135.00
299	Providing & fixing fittings for low level cistern of approved make, including removing of damaged fittings, etc. complete for the following: a) Float valve assembly- 15 mm dia with PVC ball & brass rod (Basic cost Rs. 300/-)	3.000	No.	380.00	1,140.00
300	b) Siphon unit (Basic cost Rs. 450/-)	3.000	No.	570.00	1,710.00
301	c) CP brass handle (Basic cost Rs. 200/-)	3.000	No.	237.50	712.50
302	Labour charges for servicing/ repairing of flushing tanks including removing of existing fittings, repairing & refixing the same, changing of washers, etc. complete.	3.000	No	152.00	456.00
303	Providing & fixing PVC flushing tank of champion or its equivalent quality with necessary fittings, etc. complete (basic price Rs. 900/-).	3.000	No.	1,045.00	3,135.00
304	Providing & fixing approved heavy CI Nanhi trap with stainless steel grating including cutting the walls & floors & making inlet & outlet connections, etc. complete (basic price Rs. 260/-).	3.000	No.	389.50	1,168.50
305	Providing & fixing 150 mm square heavy duty stainless steel jali of approved quality on floor trap including removing of existing jali, chipping and making good the same, etc. complete. Basic price Rs. 250/-.	8.000	No.	266.00	2,128.00
306	Providing, laying & jointing stone ware pipe with necessary T, Y, & bends including jointing with hemp yarn & CM 1:1, level, excavation upto 1.00 m, backfilling, etc. complete. a) 100 mm dia (Basic price Rs. 100/- per M)	3.000	RM	237.50	712.50
307	b) 150 mm dia (Basic price Rs. 160/- per M)	3.000	RM	294.50	883.50
308	Providing & fixing Hindware or equivalent approved CP brass waste coupling for wash basins and sinks (heavy duty) 32 mm dia including removing old coupling, etc. complete. (Basic price Rs. 250/-)	3.000	No.	332.50	997.50
309	Providing & fixing PVC spiral pipe with PVC socket for urinal / wash basin outlet. (Basic price Rs. 250/-)	3.000	No.	332.50	997.50
310	Providing & fixing 'NECO' or equivalent quality heavy duty C.I. soil pipes / rain water pipes & fittings including fixing with clamps, jointing with cement mortar joints, testing, cutting/ breaking walls and floors and making good the same, removing of old fittings if required, etc. complete for the following: 1) Pipes 150mm dia. (Basic price Rs. 900/- per M)	3.000	RM	1,140.00	3,420.00
311	2) Plain bends,window bends, Y, T junctions, cowels, etc. for 150mm dia. (Basic price Rs. 425/-)	3.000	No.	475.00	1,425.00
312	3) Pipes 100mm dia. (Basic price Rs. 300/- per M)	3.000	RM	760.00	2,280.00
313	4) Plain bends,window bends, Y, T junctions, cowels, etc. for 100mm dia. (Basic price Rs. 150/-)	3.000	No.	237.50	712.50
314	5) Pipes 75mm dia. (Basic price Rs. 300/- per M)	3.000	RM	570.00	1,710.00
315	6) Plain bends,window bends, Y, T junctions, cowels, etc. for 75mm dia. (Basic price Rs. 200/-)	3.000	No.	237.50	712.50

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
316	Providing & fixing approved quality heavy duty 40 mm dia. Rigid PVC pipes & fittings of Prince / Supreme or its equivalent quality including fixing with clamps, jointing, testing, etc. complete. a) Pipes (Basic price Rs. 80/- per M)	3.000	RM	142.50	427.50
317	b) Fittings such as elbow, tee, coupling, reducer, etc. (Basic price Rs. 70/-)	10.000	No.	95.00	950.00
318	c) Nahni trap (Basic price Rs. 200/-)	3.000	No.	332.50	997.50
319	Supplying, laying & fixing 'B' class Swastik or Zindal make G.I. pipe for water in trenches, floors, walls including embedding, jointing with hold tight, or white lead and fine hamp yarn with socket & screw joints including bends, tees, reducers, sockets, unions & other specials, fixing wall hooks in wooden plugs or embedding in walls, floors & applying bituminous paint, plastic wrapping, etc. for concealed work, excavation & backfilling wherever required & disposal of surplus spoil as directed, cutting pipes to required length, making connections, threading, cutting chases or holes in walls/ floors, etc. and making good the same including testing, etc. complete for (A) concealed and Under ground work: 1) Up to 15 mm dia (Basic price Rs. 100/- per M)	3.000	RM	290.70	872.10
320	2) Up to 25 mm dia (Basic price Rs. 180/- per M)	3.000	RM	375.25	1,125.75
321	3) Up to 40 mm dia (Basic price Rs. 275/- per M)	3.000	RM	472.15	1,416.45
322	4) Up to 50 mm dia (Basic price Rs. 360/- per M)	3.000	RM	561.45	1,684.35
323	5) Up to 75 mm dia (Basic price Rs. 540/- per M)	3.000	RM	746.70	2,240.10
324	Same as above item but for opened piping: 1) Up to 15 mm dia (Basic price Rs. 100/- per M)	3.000	RM	243.20	729.60
325	2) Up to 25 mm dia (Basic price Rs. 180/- per M)	3.000	RM	327.75	983.25
326	3) Up to 40 mm dia (Basic price Rs. 375/- per M)	3.000	RM	424.65	1,273.95
327	4) Up to 50 mm dia (Basic price Rs. 360/- per M)	3.000	RM	513.95	1,541.85
328	Same as above but for labour charges for laying pipe lines as under: 1) Up to 15 mm dia	20.000	RM	114.00	2,280.00
329	2) Up to 25 mm dia	460.000	RM	123.50	56,810.00
330	3) Up to 40 mm dia	3.000	RM	123.50	370.50
331	4) Up to 50 mm dia	3.000	RM	133.00	399.00
332	Providing & Fixing CPVC pipes SDR-13.5 confirming to IS:15778 of Prince/Supreme/Astral make for domestic water supply including cutting, making threads at all floor levels including fixtures like bends, tees, shoe, elbow, union, nipple etc joined with IPS WELD ON solvent cement or equivalent resin of approved brand & manufacture etc. complete for (A) concealed and Under ground work: 1) Up to 15 mm dia (Basic rate Rs. 70/- per M)	3.000	RM	145.35	436.05
333	2) Up to 25 mm dia (Basic rate Rs. 150/- per M)	3.000	RM	271.70	815.10
334	3) Up to 40 mm dia (Basic rate Rs. 325/- per M)	3.000	RM	575.70	1,727.10
335	4) Up to 50 mm dia (Basic price Rs. 550/- per M)	3.000	RM	798.00	2,394.00
336	Same as above item but for opened piping: 1) Up to 15 mm dia (Basic rate Rs. 70/- per M)	3.000	RM	116.85	350.55
337	2) Up to 25 mm dia (Basic rate Rs. 150/- per M)	3.000	RM	252.70	758.10
338	3) Up to 40 mm dia (Basic rate Rs. 325/- per M)	3.000	RM	347.70	1,043.10
339	4) Up to 50 mm dia (Basic price Rs. 550/- per M)	3.000	RM	617.50	1,852.50
340	Providing & Fixing UPVC pipes SCH 40 as per ASTM D 1785 and ASTM D -2466 of Prince/Supreme/Astral make for domestic water supply including cutting, making threads at all floor levels including fixtures like bends, tees, shoe, elbow, union, nipple etc joined with IPS WELD ON solvent cement or equivalent resin of approved brand & manufacture etc. complete for (A) concealed and Under ground work: 1) Up to 15 mm dia (Basic price Rs. 45/- per M)	3.000		184.30	552.90
341	2) Up to 25 mm dia (Basic price Rs.85/- per M)	100.000	RM	171.00	17,100.00
342	3) Up to 40 mm dia (Basic price Rs. 140/- per M)	3.000	RM	209.00	627.00
343	4) Up to 50 mm dia (Basic price Rs. 185/- per M)	3.000	RM	256.50	769.50
344	5) Up to 75 mm dia (Basic price Rs. 390/- per M)	3.000	RM	584.25	1,752.75
345	Same as above item but for opened piping: 1) Up to 15 mm dia (Basic price Rs. 45/- per M)	3.000	RM	95.00	285.00
346	2) Up to 25 mm dia (Basic price Rs.85/- per M)	3.000	RM	109.25	327.75
347	3) Up to 40 mm dia (Basic price Rs. 140/- per M)	3.000	RM	209.00	627.00
348	4) Up to 50 mm dia (Basic price Rs. 185/- per M)	3.000	RM	266.00	798.00
349	5) Up to 75 mm dia (Basic price Rs. 390/- per M)	100.000	RM	536.75	53,675.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
350	Providing & fixing approved quality GI union in existing line including cutting the line, making to the size and threading ends, etc. complete with all respect as directed by Engineer. 1) Up to 15 mm dia	3.000	No.	142.50	427.50
351	2) Up to 25 mm dia	3.000	No.	237.50	712.50
352	3) Up to 50 mm dia	3.000	No.	342.00	1,026.00
353	4) Up to 75 mm dia	3.000	No.	427.50	1,282.50
354	Providing & fixing a pair of C.I./M.S. bracket for wash basin, flushing tank, etc. including removing existing bracket & repairing the wall as per original, etc. complete.	3.000	No.	95.00	285.00
355	Supplying, installing & fixing in position heavy duty NECO make CI Manhole cover & frame conforming to IS 1726 including removing of old frame, breaking of brick masonry, fixing the frame with cement concrete, making good the same, etc. for following: a) 300 mm x 300 mm size (Basic cost Rs. 42/- per Kg)	3.000	No.	522.50	1,567.50
356	b) 600 mm x 450 mm size (Basic cost Rs. 42/- per Kg)	3.000	No.	665.00	1,995.00
357	c) 600 mm x 600 mm size (Basic cost Rs. 42/- per Kg)	3.000	No.	807.50	2,422.50
358	Removing & clearing the choked C I drainage pipes including removing existing pipes, fittings, clamps, connections, breaking of walls and making good the same, refixing the same after cleaning without damaging any fitting, scaffolding, if required, etc. complete at all elevations.	3.000	RM	95.00	285.00
359	Cleaning of all types & sizes of manholes by removing & disposing the mud silt, sewage, algae vegetation, etc. complete:	3.000	No.	95.00	285.00
360	Removing of sludge from septic tank including collecting the sludge in truck mounted tanker with pumping & disposal at suitable location, etc. with all lead, lift, labour, etc. complete (contract has to make his own arrangement for disposal of sludge.) a) For tank upto 2.5m long x 1.2m dia.	2.000	No.	4,845.00	9,690.00
361	b) For tank upto 4.0m x 3.0m. X 2.5m. Depth	3.000	No.	14,535.00	43,605.00
362	c) Same as above but removing the sludge/waste materials from Food waste collecting tank near Industrial canteen through manually and/or mechanically as per requirement & feasibility. All removed sludge/waste shall be collected after reasonable drying and to be disposed outside within seven kilometer lead (one side) at suitable location / dump yard in the excavated pit (scope includes pit excavation of required size) and backfilling the pit with available soil.	4.000	No.	14,535.00	58,140.00
363	Construction of manhole in 230 mm thick brick masonry in cement mortar 1:4, 75 mm thick cement concrete 1:2:4 at bottom, 15 mm-thick smooth cement plaster to inside surfaces, chamfering /vata at bottom, NECO make heavy duty CI cover including necessary excavation, backfilling, curing, pipe connections, etc. complete as per specifications & drawing. a) For 300 x 300 mm size chamber with a gully trap	3.000	No.	1,482.00	4,446.00
364	b) For size 450 x 450 & depth upto 600 mm	3.000	No.	2,470.00	7,410.00
365	c) For size 600 x 600 & depth upto 750 mm	6.000	No.	2,945.00	17,670.00
366	d) For 750 x 750 mm & depth 1000 mm	3.000	No.	5,890.00	17,670.00
367	Providing and fixing precast manhole of size 300x300x300 mm size readymade chamber of concrete grade M15 with top cover and frame including necessary excavation, PCC 75mm thick, backfilling, curing, pipe connection, etc. complete as per specification and drawing.	3.000	No.	641.25	1,923.75
368	Supplying and fixing in position ISI mark GI fittings of different varieties like tee, bend, union, elbow, reducer, nipple, etc. 1) Up to 15 mm dia	3.000	No.	47.50	142.50
369	2) Up to 25 mm dia	16.000	No.	95.00	1,520.00
370	3) Up to 50 mm dia	3.000	No.	199.50	598.50
371	4) Up to 75 mm dia	3.000	No.	247.00	741.00
372	Removing and cleaning of all debris and opening gulley chamber and attending chocking problem.	3.000	No.	95.00	285.00
373	Attending of continuous water flow of flush valves of toilet block in power plant, solar plant, mines offices etc.	7.000	No.	95.00	665.00
374	Attending overflow problem by replacing ball/rod for ball codes provided in over head tanks.	3.000	No.	95.00	285.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
375	Removing water from overhead tank, cleaning and drying the pipe, applying M-Seal and making leak proof and refixing ball cock.	3.000	No.	242.25	726.75
376	Excavation and attending leakage fro G.I line damaged by earth mover while cleaning and providing T in line and providing wheel valve and making new connection.	3.000	No.	475.00	1,425.00
377	Attending leakage/chockup and refixing of wash hand basin/sink.	8.000	No.	142.50	1,140.00
378	Providing new garden connection at plant/mines from underground raw water pipelines.	3.000	No.	475.00	1,425.00
379	Labour charges for fixing of water cooler and its attachments in plant/ mines.	3.000	No.	389.50	1,168.50
380	Removal of chockup from toilet blocks of power plant & mines.	3.000	No.	242.25	726.75
381	Attending/repairing of flush/flush cistern/flush tank in toilet blocks of various buildings.	12.000	No.	242.25	2,907.00
382	Attending water complaint and removing and cleaning of ball cock and refixing the same and solving water problem in power plant & mines.	7.000	No.	145.35	1,017.45
383	Removal of connection from the overhead sintex tank from pantry of site office building or from other building of power plant.	3.000	No.	145.35	436.05
384	Labour charges for fixing of new pillar cock in wash basin including removing old pillar cock and returning the same in GIPCL Store.	3.000	No.	145.35	436.05
385	Labour charges for fixing of bibcock in toilet block including old bib cock and returning the same in GIPCL store.	40.000	No.	145.35	5,814.00
386	Labour charges for fixing of stop cock in toilet block including old stop cock and returning the same in GIPCL store.	3.000	No.	145.35	436.05
387	Labour charges for repairing of pillar cock including repairing washer etc..	3.000	No.	145.35	436.05
388	Repairing of bib cock including replacing washer etc..	3.000	No.	145.35	436.05
389	Repairing of stop cock including replacing washer	3.000	No.	145.35	436.05
390	Repairing of G.I Pipe line upto 1" dia.	3.000	No.	145.35	436.05
391	Labour charges for fixing of new G.I. Pipe Line in power plant or mines upto 1" dia.	50.000	R.mtr.	145.35	7,267.50
392	Labour charges for fixing of new wash basin with necessary connection & fittings in power plant or mines	7.000	No.	145.35	1,017.45
393	Making opening in wall and grouting pipe upto 150mm dia.	3.000	No.	145.35	436.05
394	Making vata with the help of cement mortar in 1:4	3.000	R.mtr.	47.50	142.50
395	Making opening in brick wall	3.000	No.	95.00	285.00
396	Labour charges for fixing of new WC with necessary connection & fittings in power plant or mines	3.000	No.	242.25	726.75
397	Labour charges for fixing of new Urinal with necessary connection & fittings in power plant or mines	3.000	No.	242.25	726.75
398	Repairing of Angle cock including repairing washer etc..	3.000	No.	145.35	436.05
399	Repairing of Stop cock including repairing washer etc..	3.000	No.	145.35	436.05
400	Providing and fixing white vitreous china water closet squatting pan Orissa pattern WC size 580mm X 440 mm with internal type foot rest with 100 mm sand cast Iron P or S trap.	3.000	No.	3,325.00	9,975.00
401	Providing and fixing white vitreous china wall hung water closet European type of Jaguar make with ISI solid plastic seat and lid.	3.000	No.	3,990.00	11,970.00
402	Providing and fixing white vitreous china wash basin "Jaguar" make of size 630 X 450 mm of approved shape.	3.000	No.	3,800.00	11,400.00
403	Visit charges of plumber with tools & tackles including to & fro transportation on prorata basis for restricted total daily given quantity less than or equal to 5 units for above item no. 400 to 402.	100.000	Visit	332.50	33,250.00
404	Supply of plumber with tools & tackles including to & fro transportation for any kind of plumbing maintenance works other than listed above at Power Plant (SLPP) as per specific requirement of GIPCL and as directed by Engineer-in-charge for eight hour duty.	20.000	Man-day	484.50	9,690.00
<b>I. ROAD WORKS:</b>					
405	Providing & laying compacted avg. 230 mm thick boulder soling using approved quality rubble with interstices filled with smaller pieces, using murrum as binding material including watering, properly compacted with power roller to correct line and level and slope as per specifications.	10.000	M3	1,776.50	17,765.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
406	Same as above item but using rubble available at JNT-13(conveyor belt) including transportation of same at location to work.	10.000	M3	855.00	8,550.00
407	Providing and laying 75 mm average consolidated thick , built up spray grout with Drum mix Plant 80 to 120 TPH capacity producing an average output of 75 tonnes per hour using 45 mm to 65 mm downgraded black trap aggregates (Proportion shall be as decided by Engr in charge), premixed with bituminous binder @ 2.50% by weight of total mix of mix and filler including applying tack coat over WMM surface at rate of 0.50 kg/m2, including mixing by Drum mix plant as case may be, transporting required hot material at site, spreading, laying & leveling the mix with paver at the specified line, level and camber, rolling with 10 tonne vibro roller and using 0.13 cum. of key aggregate per 10 sq. mtr. and also including cleaning of WMM surface etc complete all as per detailed technical specifications and as directed by Engineer-in-charge.	100.000	M2	342.00	34,200.00
408	Same as above item but quantity on weight basis supplied by dumper. Contractor shall carry out weight of empty dumper and loaded dumper or tractor trolley and shall produce weigh bridge slip for measurement purpose. Material to be used at various random locations inside plant or colony as per above item description.	50.000	MT	1,947.50	97,375.00
409	Providing & Laying 37.50mm average consolidated thick dense bitumen premix carpet using 20mm and 10mm downgraded black trap aggregates (Proportion shall be decided by Engineer-in-charge) and using bitumen 60/70 grade as binder at 56 kg/m3 of aggregates (3.70% bitumen by weight of total mix of mix) including applying tack coat over semi grouting surface at rate of 0.50 kg/m2, including mixing by Drum mix plant, transporting, spreading and leveling by paver at the specified line, level and camber, rolling with heavy duty vibro roller and also cleaning of surface using brush etc complete all as per detailed technical specifications and as directed by Engineer-in-charge etc.	100.000	M2	270.75	27,075.00
410	Same as above item but quantity on weight basis supplied by dumper. Contractor shall carry out weight of empty dumper and loaded dumper or tractor trolley and shall produce weigh bridge slip for measurement purpose. Material to be used at various random locations inside plant or colony as per above item description.	50.000	MT	2,565.00	128,250.00
411	Providing & laying average 25mm consolidated thick Bituminous concrete (BC) using black trap crushed stone aggregates as per required gradation and using emulsion (Rapid Setting) asphalt as a tack coat @ 2 Kg per 10 M2 and the 60/70 VG-30 grade asphalt at 5% (i.e. 50 Kg per MT) by total weight of mix hot laid process using drum mix plant including heating and mixing asphalt & materials by drum mix process, transporting the mix and laying by paver finisher including consolidation with vibratory roller, etc... all complete as per specifications and instructions of Engineer-in-charge.	3,000.000	M2	157.70	473,100.00
412	Same as above item but quantity on weight basis supplied by dumper. Contractor shall carry out weight of empty dumper and loaded dumper or tractor trolley and shall produce weigh bridge slip for measurement purpose. Material to be used at various random locations inside plant or colony as per above item description	50.000	MT	2,959.25	147,962.50
413	Providing reinforced cement precast units for road curbing of site 500 x 400 x 100 mm with concrete of grade M15 with 20mm down graded aggregates for all leads and levels including providing necessary moulds for exposed shuttering, vibrating, tamping, curing, transportation, aligning and fixing in position, jointing with CM 1:3, necessary excavation, backfilling, compacting properly, etc. complete as per specifications and instruction of Engr (except reinforcement).	50.000	RM	247.00	12,350.00
414	Providing & laying RCC hume pipe conforming to class NP2 including cutting of roads wherever necessary excavation, laying in position, bedding, jointing, grouting, backfilling, testing, etc. complete as per specification. a) 600 mm dia	14.000	RM	1,676.75	23,474.50
415	b) 450 mm dia	14.000	RM	1,282.50	17,955.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
416	c) 300 mm dia	14.000	RM	788.50	11,039.00
417	d) 150 mm dia	14.000	RM	494.00	6,916.00
418	Same as above but labour charges for laying of RCC hume pipe including transportation from store, etc. complete (RCC pipes & collar shall be supplied free of cost at GIPCL store. a) 600 mm dia	7.000	RM	484.50	3,391.50
419	b) 450 mm dia	7.000	RM	389.50	2,726.50
420	c) 300 mm dia	7.000	RM	294.50	2,061.50
421	d) 150 mm dia	7.000	RM	194.75	1,363.25
422	Repairing of Road patches including removing damaged portion, cleaning & disposal of loose materials, Providing & Laying built up spray grout base course, carpet, seal coat layer, painting with bitumen and make the patches perfectly in order and match with existing road surface.	50.000	M2	855.00	42,750.00
423	Providing, Laying, spreading and compacting graded stone aggregate to wet mix macadam (WMM) at average thickness of 100mm thick (Compacted thickness) and including marking of pegs for setting out as per detailed specification, premixing the material with water at OMC (Optimum Moisture Content) in mechanical mix plant carriage of suitable mixed material by tipper to site, laying in uniform layers with paver in sub- base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density and as directed by Engineer-in-charge.	50.000	M3	950.00	47,500.00
424	Providing and applying hincol made or equivalent grade primer coat with emulsion SS-1 as directed by Engineer-in-charge on prepared surface of granular base with low porosity WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means with pressure distributor and as directed by Engineer-in-charge.	500.000	M2	33.25	16,625.00
425	Asphalt painting on road surface with bitumen 60/70 grade @ 7.5 Kg per 10 M2 including heating the asphalt and spraying the same then spreading approved sand over the treated surfaces at the rate of 0.5 M3 per 100 M2 and also cleaning of surface using brush & disposal of dust/waste outside the premises etc... all as per specifications and instruction of Engineer-in-charge.	2,000.000	M2	42.75	85,500.00
426	Excavation for removal of excess soil including earth work in excavation, transporting, disposal within 3.5 kms radius for paving etc., including all as directed by Engineer-in-charge (For arriving required depth, initial level and final level shall be taken in presence of E-I-C). Rate shall be inclusive of removal of vegetation, roots, grass, bushes, etc...	50.000	M3	147.25	7,362.50
427	Filling of dry fly ash up to required level including watering, compacting, leveling, shifting & transportation (if required) etc., complete as directed by E-I-C. (Fly ash of required quantity shall be supplied at nearest possible location on specific request and the remained unused quantity shall be removed from site).	50.000	M3	147.25	7,362.50
428	Providing and laying of hot applied thermoplastic compound average 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of average 2.5 mm is exclusive of surface applied glass beads as per IRC:35 .The finished surface to be level, uniform and free from streaks and holes all complete as per Technical specifications of MORTH Clause no. 803 for Lane, centre line, edge, directional arrows and letters, etc. as directed by the Engineer-in-charge.	50.000	M2	370.50	18,525.00
429	Providing and filling expansion joints in concrete road by 25 mm thickness SILFEX pre molded compressible filler board in black color, of approved make ( Supreme industries or equivalent) confirming MORTH specification (Clause 1015 ), having minimum density of 95 Kg/ Cum, non staining with less than 1% water absorption & compression recovery of 93% minimum as per the specifications and filling with bitumen tar and sand mixture to finish the top surface including all material, labour, transportation, tools & tackles etc complete as directed by Engineer-in-charge.	30.000	M2	988.00	29,640.00
430	Supply of following material at SLPP site including transportation, taxes & duties etc complete. (I) Stone Aggregate of 20 mm down	3.000	M3	760.00	2,280.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
431	(II) Stone Aggregate of 40 mm down	3.000	M3	950.00	2,850.00
432	(III) Stone Aggregate of 40 to 63 mm down	15.000	M3	950.00	14,250.00
433	(IV) Supply of Red Muram	3.000	M3	665.00	1,995.00
434	(V) Supply of quarry dust material	55.000	M3	475.00	26,125.00
435	(VI) Supply of Sand (Black or bodeli white)	3.000	M3	1,045.00	3,135.00
436	(VII) Supply of Fine Sand (Narmada)	60.000	M3	712.50	42,750.00
437	(VIII) Supply of Ash Bricks	3.000	Per 1000 Nos.	2,470.00	7,410.00
438	(IX) Supply of Rubble of size 300 to 500 mm size at pump house.	4.000	M3	855.00	3,420.00
<b>J. ROOF COVERING, WATER PROOFING TREATMENT, STRUCTURE REPAIRS:</b>					
439	Supply charges of skilled & experienced applicator along with tools & tackles including to & fro transportation on prorata basis for application of all the following items of Part-J in case of material issued by GIPCL at free of cost from GIPCL store for eight hour duty per day. For less than or more than eight hours, payment will be made on prorata basis.	10.000	Day	950.00	9,500.00
440	Removing of existing Tarfelt or APP (Atactic Polypropylene Polymer) waterproofing membrane up to bare level slab and cleaning the surface. All loose particles to be removed with the brush or any means and disposal of the same outside the plant premises at any authorized location as per prevailing GPCB norms for all leads & lifts, etc. complete as directed by Engineer-in-charge and as per detail scope of work.	500.000	M2	28.50	14,250.00
441	Providing, supplying & applying/fixing of average 03mm thick APP (Atactic Polypropylene Polymer) modified and reinforced with Polyester matt (about 160 Gram/M2) waterproofing membrane (Min. 3.50 Kg/M2) of approved makes as specified in detail tender document, which consisting of a coat of approved low viscous bituminous primer (maximum 0.20% water content) at about 250 gms per sqm of approved make. Over the primer coat, the membrane shall be laid using torch and sealing all joints with minimum side overlap of 100mm & minimum end lap shall be 150mm and preparing the surface etc... including providing, supplying & applying two coats of Ultra Violet (UV) resistance approved make bitumen based aluminium finish anti corrosive premium quality protective coating with paint brush above the APP membrane for the UV protection and for the longer life of membrane after proper cleaning of surface etc... complete as per manufacturer's specifications for all such locations as directed by Engineer-in-charge.	2,045.000	M2	418.00	854,810.00
442	Same as above item but for total executed gross work done quantity less than or equal to 10 M2 at single location/specific work site for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work site.	10.000	M2	475.00	4,750.00
443	Applying pressure Grouting work by using grouting pump including drilling holes at required portion up to 4", fixing nozzles by using rapid setting instant plug material, sealing of cracks with material and injecting cement slurry grout with pressure etc. complete as directed by the manufacturer and EIC. Note:-Cement shall be supplied by GIPCL	125.000	No.	380.00	47,500.00
444	Supplying & applying PU injection grouting including drilling holes fixing non returnable aluminium packers and injecting the PU grout material polyurethane aqua reactive form first time and applying NITOFIL UR 63 FOSROC (or equivalent approved) make for second time through the same packers by using high efficient electrical PU grouting pump etc. complete as directed by the manufacturer.	300.000	No.	2,755.00	826,500.00
445	Providing and Applying approved Polysulphide sealant into expansion joints of average size 25mm X 25mm including, cleaning of groove, providing necessary PU backer roll into groove, priming of adjacent sides with Primer etc. complete as directed & manufacturer specification. In case of size other than 25mm X 25mm, payment will be made on pro-rata basis as per actual average size.	25.000	RM	551.00	13,775.00



SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
446	<b>REPAIRING / RETREATMENT OF EXPANSION JOINTS:</b> Providing and filling of one part medium modulus sealant Nitoseal MS600 (or equivalent approved make) including making of additional groove having size 15mm X 15mm on either side of joints by using concrete cutter machine, making joint section as per attached drawing, cleaning of the substrate, sticking of de-bonding strips, placing of back up rod, priming of the substrate with Primer MS20, filling of Nitoseal MS600 (or equivalent approved make) with appropriate Sealant Gun, Tooling of the filled joint etc... completed as directed.	150.000	RM	4,180.00	627,000.00
447	Providing and filling "Fosroc" make Thioflex 600 polysulphide (or equivalent approved make) based joints sealant including all materials, labours, tools & tackles etc. as per manufacturer's specifications & recommendations and as directed & instructed by Engineer-in-charge as per following sequence. • Removing of existing materials/flooring. • Cutting of the groove 40mmx25mm along the expansion joint with concrete cutter. • Fixing of standard Backer rod. • Filling of joints with Thioflex 600. • Fixing of 2 mm thick Aluminum sheet on exposed expansion joint @ 150mm wide x 2mm thick.	150.000	RM	1,472.50	220,875.00
448	Supplying & pouring epoxy grout for MS Rail grouting on existing RCC Road at specified locations or as directed by Engineer-in-charge with a pre-packed three component solvent free epoxy resin grout Conbextra EP300 of "Fosroc" make (or equivalent approved make) which shall be mixed on site. The grout must be applied strictly in accordance with the manufacturer's technical data sheet including surface preparation, mixing, placing etc. complete as per manufacturer's specifications & recommendations including all materials, tools, tackles, labours etc. Scope of work also includes removing of existing damaged concrete & surface cleaning with required tools like concrete cutter, blower, etc...	0.500	M3	403,750.00	201,875.00
449	Providing and applying Repairing of non structural cracks by using 1:3 cement mortar and NITOBOND SBR of FOSROC make (or equivalent approved make) including making V' groove (25 MM), applying bond coat, and filling gape with polymer modifier mortar etc. complete as directed by the manufacturer.	1,500.000	RM	180.50	270,750.00
450	Repairing of cracks at various level including chipping, removing of old plaster and widening of cracks, cleaning of surface and repairing of same using approved quality chemical as per manufacturer recommendation with pressure grouting at every 1.00 meter length to get water proof surface. After grouting the crack, 300 mm plaster removed at equidistance of crack shall be re done with applying chicken mesh of 150 mm. Rate is including removing and disposing of debris, supply of all material, chemicals, tools, tackles etc., complete.	200.000	RM	275.50	55,100.00
451	Providing & repairing cracks by using epoxy putty including making 'V' groove by using grinder machine etc. complete as directed by Engineer-In-Charge and manufacturer specification.	500.000	RM	76.00	38,000.00
452	Providing and applying two coats of MYK AQUAFIN 2C or equivalent approved make (High performance two component crack bridging flexible waterproof coat ) including necessary surface preparation etc. complete as per manufacturer specification and directed.	100.000	M2	494.00	49,400.00
453	Providing and repairing of junctions of MS plate, machine foundations and concrete, sealing joint with silicon sealant, apply one coat of epoxy bonding agent and making polymer base 4" vata on floor and wall junction and periphery of foundation.	20.000	RM	446.50	8,930.00
454	Providing and repairing of junctions of Steel column, cable, machine foundations and concrete, sealing joint with epoxy grout, PU sealant on periphery of foundation or column.	20.000	RM	988.00	19,760.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
455	Providing and applying two coats of BRUSHBOND TGP (make FOSROC) or equivalent approved make High performance Crystalline waterproof coat over surface including surface preparation etc. complete as directed by the manufacturer.	50.000	M2	494.00	24,700.00
456	Providing and applying waterproof polymer plaster 1:3 (cement : sand) and enriched with NITOBOND SBR of FOSROC make (or equivalent approved make) etc. complete as directed by the manufacturer.	50.000	M2	1,577.00	78,850.00
457	Providing and applying average 2.0 mm thick composite flooring system on concrete surface having moisture content less than 5 %. Surface preparation includes grinding of concrete surface, proper cleaning, removing of loose mortar, paint residuals, curing compound residues, repairing of floor cracks and dents using epoxy putty. Using slow speed heavy duty mixing drill, mix all components Nitofloor EU5 (or equivalent approved make) - High Strength Self-Smoothing Epoxy Underlay having compressive strength (BS 6319 Part-2) of 70 N/mm2, Flexural strength (BS 6319 Part-3) of 25 N/mm2 and Tensile strength (BS 6319 Part-7) of 12 N/mm2 @ 7 days and pour on prepared surface, level the material using serrated trowel and roll the same with spiked nylon roller to remove slight trowel marks and entrapped air from the material and allow the same to dry overnight. Followed by application of polyurethane coating Nitofloor PUW 100 (or equivalent approved make) – Water dispersed polyurethane floor coating having Pull off Adhesion Strength (ASTM D 4541) > 3 N/mm2(concrete failure), Pencil Hardness (ASTM D 3363) > 2H, Impact Resistance (ASTM D 2794)(cm.kg) > 50, Abrasion resistance (ASTM D 4060) < 35 mg , Volume Solids – 45 %. Coating to be applied by suitable brush or roller etc. complete as per manufacturer's specification.	100.000	M2	807.50	80,750.00
458	Providing & applying epoxy (conbextra EP 10M or approved equivalent) injection grouting by pressure grouting pump, including drilling holes, fixing nozzles etc. complete as directed by Engineer-in-charge.	200.000	No.	712.50	142,500.00
459	Repairing of damaged concrete surfaces and honeycombs with polymer modified MYK Crete CMS 4500 (or equivalent approved make), which is based on carefully blended cement, graded fillers and chemical additives and is polymer modified to provide a mortar with good handling characteristics, while minimizing water demand, including required surface preparation etc. complete as directed by Engineer-in-charge.	1.000	M3	88,825.00	88,825.00
460	Chipping off loose and damaged plaster and / or cover concrete upto good parent concrete or upto reinforcement level using chisel and hammer and cleaning the reinforcement and concrete surfaces with wire brush to receive further treatment.	300.000	M2	332.50	99,750.00
461	<b>CORROSION REPAIR:</b> A). Surface preparation including removal of all disintegrated materials, cleaning the concrete surface with metal wire brush, exposing the surfaces of reinforcement and applying 1 coat of alkaline rust converter FEOVERT (or equivalent approved make) followed by 1 coat of Migratory corrosion Inhibitor EPCO KP 100 (or equivalent approved make) to arrest the corrosion in embedded concrete. The rust remover shall be alkaline in nature and its PH shall be around 8.5 to 9. B). Applying 2 coats of interpenetrating polymer network IP NET-RB (or equivalent approved make) rebar coating to the exposed reinforcement as per engineers instruction.	300.000	M2	361.00	108,300.00
462	Providing & applying single component, dual shrinkage compensated, fiber reinforced thixotropic polymer modified repair mortar <b>REPPATCH 45 T</b> (or equivalent approved make) in average 40 mm thickness as directed by Engg. l/c.	350.000	M2	1,710.00	598,500.00
463	<b>STRENGTHENING OF RCC WITH EPOXY GROUTING</b> Drilling holes of 16 mm dia into concrete to required depth, cleaning the holes, fixing flexible PVC pipe nozzles for grouting purpose, sealing the gap around the nozzle and cracks with epoxy putty EPCO 1010 (or equivalent approved make).	20.000	Nozzle	313.50	6,270.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
464	Grouting to be carried out by injecting very low viscosity (2 - 5 CPS), High Molecular Weight Thermoset Polymer <b>MONOPOL</b> (or equivalent approved make) with a pressure up to 2 Kg/cm <sup>2</sup> . Grouting is to be continued till nozzle refuses to accept further grout.	10.000	Kg.	950.00	9,500.00
465	Equipment foundation/pedestal grouting with Conbextra GP-2 or GP-1 (or equivalent approved make). Existing surface shall be roughened properly and shall be applied Nitobond (or equivalent approved material) as per manufacturer's specifications before pouring material as directed by Engineer-in-charge. Cost includes necessary shuttering work.	1.000	M3	47,500.00	47,500.00
466	Conditional scaffolding charges for all above works of Part-J as per site & safety requirements for the work needs to be executed by providing safe MS scaffolding for work height more than and equal to 4.00M where, according to GIPCL, no other option to execute the work without scaffolding. Approx. size of scaffolding requirement shall be pre-approved through GIPCL before execution. Charges includes providing approved scaffolding materials (MS pipes with clamps, base plates, etc), erection of standard scaffolding as approved by GIPCL, make proper & safe approach & platform with safe guard and dismantling & demobilization of the same after completion of given scope of work. No any idle charges will be considered due to delay from either side due to whatsoever reason.	100.000	M2	133.00	13,300.00
<b>K. MISC. WORKS:</b>					
467	Closing of small openings, holes, etc. with bricks /cement concrete as per instructions of engineer with both side plastering, shuttering, whichever required etc. complete and for hole size upto 0.10 m <sup>2</sup> .	10.000	No.	76.00	760.00
468	Transportation of various materials including loading, unloading transporting with tractor, from one place to another place inside plant area or disposal outside plant area to suitable location, etc. complete with all lead & lift. The contractor shall make his own arrangement for disposing the debris / earth out side plant area. a) For materials like plastic, paper waste, cable scrap, insulation materials, wooden scrap, etc.	3.000	Trip	285.00	855.00
469	b) For materials like earth, debris, brick bats, sand, aggregates, etc.	10.000	Trip	285.00	2,850.00
470	c) For materials like ash, Bed Material, waste lignite etc. within lead of 3.00 kms.	50.000	Trip	285.00	14,250.00
471	d) Wild growth, grass, tree branches, etc.	3.000	Trip	285.00	855.00
472	Cleaning of storm water drain along the road side and peripheral drains of various buildings by removal of soil, slush, weeds, bushes, waste lignite and ash from drains of various sizes upto the drain raft top, including disposal of the same within lead of 3.00 kms.using tractor and trolley and also including removal of precast cover and replacement of the same in position as and when required for cleaning some of the drain.	50.000	R.Mtr.	47.50	2,375.00
473	Labour charges for cutting of Grass/small bushes manually within Power Plant at various location as shown by GIPCL Officer including cost of labour, tools, equipment, safety precautions and incidental charges etc.	100.000	M2	3.80	380.00
474	For any item for providing, fixing, laying or applying or material not included in this contract work shall be paid as actual expenditure of material & labour with take care of overhead and profit on submission of original bills with material gate inward challan duly signed & stamped by Gate security of SLPP.	50,000.000	%	9.50	475,000.00
475	Providing & fixing Supreme/ prince make rigid PVC downtake pipes / fittings of 150 mm dia including fixing solution, GI clamps, etc. at all elevations. clamps, etc. a) Pipes (Pipe purchase by with vat P/rmt 505.5 6 kg/smt)	10.000	Rmt.	209.00	2,090.00
476	b) Fittings such as bends, tee, elbow, Y, T, coupling, etc.	3.000	No.	47.50	142.50
477	Same as above item but for 100mm dia.size. (a) Pipes (Pipe purchase by with weight P/rmt 237.5 6 kg/smt)	25.000	Rmt.	171.00	4,275.00
478	(b) 75mm dia.	3.000	Rmt.	142.50	427.50
479	(c) 50mm dia.	3.000	Rmt.	133.00	399.00
480	(d) 25mm dia.	3.000	Rmt.	95.00	285.00
481	(e) Fittings such as bends, tee, elbow, Y, T, coupling, etc.	45.000	No.	59.85	2,693.25

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
482	Providing & fixing GI water spouts of 40 mm NB- B class pipes, upto 400mm long including making holes & finishing the same, etc. complete.	3.000	No.	494.00	1,482.00
483	Fixing of door or window including grouting hold fasts and making good the walls, etc.	3.000	M2	247.00	741.00
484	(A) Providing, supplying and fixing 5mm thick glass panes including all necessary transportation, cutting, cleaning, scaffolding, fixing, removal of broken glass pane wherever necessary, disposing the same, fixing with best quality putty or wooden battens, pins, as necessary with all materials and labour at all elevations. For plain / pin headed glass i) Upto 3.00 m level height from floor of any level.	3.000	M2	712.50	2,137.50
485	ii) Above 3.00m level height from floor of any level (Required scaffolding from floor level is in the contractor's scope.)	3.000	M2	731.50	2,194.50
486	(B) For wired glass or 3mm plain acrylic sheet : i) Upto 3.00 m level height from floor of any level.	15.000	M2	760.00	11,400.00
487	ii) Above 3.00m level height from floor of any level (Required scaffolding from floor level is in the contractor's scope.)	3.000	M2	807.50	2,422.50
488	Supplying and fixing best quality putty on glass pane of windows at all elevations including cleaning old putty etc.. complete. at all elevations.	3.000	M2	52.25	156.75
489	Labour charges for fixing glass pane including shifting of glass, cutting of glass of required size with necessary putty, pins, etc... (glass shall be supplied by GIPCL) at all elevations.	3.000	M2	147.25	441.75
490	Supply charges of carpenter/skilled worker along with tools & tackles including to & fro transportation on prorata basis for emergency glass fixing work (i.e. for given daily work quantity less than 3 M2) for eight hour duty per day. For less than or more than eight hours, payment will be made on prorata basis.	3.000	Day	950.00	2,850.00
491	Providing & fixing fan hook in existing slab/ beam including chipping, exposing reinforcement, fixing 12 mm dia hook, finishing with cement plaster, etc. complete. Supply of carpenter will be paid in separate item of manpower supply on prorata basis.	7.000	No.	99.75	698.25
492	Cleaning of existing woolen / synthetic fiber carpet flooring including cleaning with petrol, washing with soap solution, washing with water, etc. complete to the satisfaction of engineer.	3.000	M2	114.00	342.00
493	Sofa cleaning by shampooing with machine through experienced approved agency.	3.000	seat	237.50	712.50
494	Chair cleaning by shampooing with machine through experienced approved agency.	3.000	No.	142.50	427.50
495	Servicing & realigning any type of venetian blind including repairing of gear wheel and adjusting chords & locks & repairing, etc. complete.	10.000	Visit	950.00	9,500.00
496	Supply charges of skilled applicators along with tools & tackles including to & fro transportation on prorata basis for above works under item no. 492 to 495 for eight hour duty per day in case of daily given work quantity is up to 5 units. For less than or more than eight hours, payment will be made on prorata basis.	10.000	Day	950.00	9,500.00
497	Labour charges for cutting the masonry in circular opening upto 600 mm dia to suit the exhaust fan frame as directed including finishing with cement plaster on both side as directed.	3.000	No.	484.50	1,453.50
498	Same as above but for rectangular or square opening upto 600 x 500mm size for fixing AC frame etc.	3.000	No.	484.50	1,453.50
499	Repairing of hydraulic door closure including removing & refixing in position, changing lubricant oil, servicing, etc. complete. Carpenter supply will be given in separate item of manpower supply on prorata basis.	3.000	No.	147.25	441.75
500	Labour charges for fixing of aluminum partition removed earlier including necessary hardware, rectifications / modifications if required, as directed by Engineer.	10.000	M2	242.25	2,422.50
501	Labour charges for fixing of false ceiling & electric fittings, removed earlier including fixing of hangers, hooks, necessary hardware, rectification, if required, etc. complete.	40.000	M2	242.25	9,690.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
502	Repairing rolling shutters of gear operated by opening of the cover, servicing, oiling, greasing, fitting of old/new springs, nuts, etc. complete including replacing of the parts making necessary scaffolding etc. complete and make rolling shutter operative. (The payment of parts will be made in respective item of supply of parts.)	10.000	No.	3,420.00	34,200.00
503	Servicing, oiling, greasing of rolling shutters of various sizes fitting of old springs, nuts, etc. complete to make smooth operation of rolling shutter. (The payment of parts will be made in respective item of supply of parts.)	3.000	No.	1,662.50	4,987.50
504	Supplying and fixing of the parts for rolling shutter. a) Wheel upto 20 cm dia.	3.000	No	494.00	1,482.00
505	b) M.S. strip with fitting	500.000	Rft	66.50	33,250.00
506	c) Spring	3.000	No	2,470.00	7,410.00
507	d) Shaft	3.000	Rft	152.00	456.00
508	e) Total gear system	4.000	No	8,075.00	32,300.00
509	Supplying & fixing floor springs/ windows/ doors parts of approved make including all related works required for fixing in position. a) Piston	3.000	No	394.25	1,182.75
510	b) Cam	3.000	No	294.50	883.50
511	c) Bearing	3.000	No	270.75	812.25
512	d) U-Rod spring	3.000	No	394.25	1,182.75
513	e) Roller bearing for sliding windows ( Heavy duty )	3.000	No	95.00	285.00
514	f) Pivot	3.000	No	294.50	883.50
515	g) PVC beadings	3.000	Rmt	33.25	99.75
516	Providing & fixing standard aluminium bedding for aluminium partition, window, door, etc. for fixing glass, panel, etc. with rubber beading.	10.000	Rm	95.00	950.00
517	Labour charge for laying, transporting to site and erecting in position 160 mm dia. HDPE Rain water pipe from various building at all height, including all operation such as scaffolding, cutting, straightening, erecting in position, welding with hot plate, clamping using heavy duty clamps at every 3 mtr. length with existing structure, removal of damaged existing HDPE pipes etc. complete as directed by engineer-in-charge.	10.000	R.Mtr.	147.25	1,472.50
518	Providing and placing in position 60 mm thick " I " shape or other approved pattern and size interlocking block in pink pigmentation / colour combination of compressive strength 200 kg / cm <sup>2</sup> , manufactured from Fly ash, transportation to site, placing in position, leveling of block, compacting by machine etc... complete including cost of all labours, supervision, materials, equipments, tools & tackles etc... all complete as directed by Engineer-in-charge.	50.000	M2	380.00	19,000.00
519	Same as above but rubber moulded interlocking paver blocks of approved pattern and size.	100.000	M2	494.00	49,400.00
520	Only labour charges for repairing & releveling of existing interlocking block pavements at various locations of Power Plant.	50.000	M2	99.75	4,987.50
521	Providing and laying heavy duty precast curb stone of size 400 x 200 x 100 mm or standard available size in market with chamfer at one side including excavation up to required depth, dressing of the sides and ramming of bottom, laying of curb stone in line & level, back filling with selected soil, fixing of curb stone joints with PCC 1:4:8 on both the surface up to Ground Level. Filling of curb stone joints with 1:4 cement mortar above ground level, curing, removing of surplus earth out side premises at suitable location within 03 kms lead etc. complete including cost of all labours, supervision, materials, equipments, tools & tackles etc.. all complete as directed by Engineer-in-charge.	50.000	RM	256.50	12,825.00
522	Same as above but only labour charges for fixing of curb stones issued by GIPCL at free of cost. Necessary transportation from storage of curb stone to work site shall be in contractor's scope.	20.000	RM	128.25	2,565.00
523	Core cutting in RCC member (DIA X DEPTH) 50 MM X 250 MM	25.000	No.	874.00	21,850.00
524	65 MM X 250 MM	3.000	No.	874.00	2,622.00
525	75 MM X 250 MM	3.000	No.	969.00	2,907.00
526	50 MM X 450 MM	3.000	No.	1,106.75	3,320.25

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
527	65 MM X 450 MM	3.000	No.	1,106.75	3,320.25
528	75 MM X 450 MM	3.000	No.	1,244.50	3,733.50
529	100 MM X 250 MM	3.000	No.	1,154.25	3,462.75
530	125 MM X 250 MM	3.000	No.	1,244.50	3,733.50
531	100 MM X 450 MM	3.000	No.	1,382.25	4,146.75
532	125 MM X 450 MM	3.000	No.	1,520.00	4,560.00
533	150 MM X 250 MM	3.000	No.	1,382.25	4,146.75
534	150 MM X 450 MM	3.000	No.	1,938.00	5,814.00
535	180 MM X 250 MM	3.000	No.	1,615.00	4,845.00
536	200 MM X 250 MM	3.000	No.	1,805.00	5,415.00
537	180 MM X 450 MM	3.000	No.	2,166.00	6,498.00
538	200 MM X 450 MM	3.000	No.	2,303.75	6,911.25
539	250 MM X 250 MM	3.000	No.	2,118.50	6,355.50
540	250 MM X 450 MM	3.000	No.	2,584.00	7,752.00
541	300 MM X 250 MM	3.000	No.	2,907.00	8,721.00
542	300 MM X 450 MM	3.000	No.	3,600.50	10,801.50
543	Providing & filling Epoxy based grouting in Core cutting in RCC member (DIA X DEPTH). 50 MM X 250 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	418.00	1,254.00
544	65 MM X 250 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	703.00	2,109.00
545	75 MM X 250 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	893.00	2,679.00
546	50 MM X 450 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	703.00	2,109.00
547	65 MM X 450 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	988.00	2,964.00
548	75 MM X 450 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	1,216.00	3,648.00
549	100 MM X 250 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	1,030.75	3,092.25
550	125 MM X 250 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	1,263.50	3,790.50
551	100 MM X 450 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	1,406.00	4,218.00
552	125 MM X 450 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	1,596.00	4,788.00
553	150 MM X 250 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	1,501.00	4,503.00
554	150 MM X 450 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	1,966.50	5,899.50
555	180 MM X 250 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	1,776.50	5,329.50
556	200 MM X 250 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	2,346.50	7,039.50
557	180 MM X 450 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	2,251.50	6,754.50
558	200 MM X 450 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	2,907.00	8,721.00
559	250 MM X 250 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	2,717.00	8,151.00
560	250 MM X 450 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	3,562.50	10,687.50
561	300 MM X 250 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	3,372.50	10,117.50
562	300 MM X 450 MM core filling in RCC member with BASF Master-flow 400 epoxy or CONBEXTRA EP120 epoxy grout.	3.000	No.	4,218.00	12,654.00
563	Same as above items of core filling but filling of core with Fischer fisv360s chemical. The respective rates of above items plus rate of this item will be paid.	3.000	No.	1,406.00	4,218.00
564	REBAR FIXING in RCC Member including required drilling (DIA X DEPTH). Rebar Fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout Chemical 8mm DiaX80mm Depth	150.000	No.	61.75	9,262.50
565	Rebar Fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout Chemical 10mm DiaX100mm Depth	50.000	No.	85.50	4,275.00
566	Rebar Fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout Chemical 12mm DiaX150mm Depth	120.000	No.	133.00	15,960.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
567	Rebar Fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout Chemical 16mm DiaX160mm Depth	3.000	No.	180.50	541.50
568	Rebar Fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout Chemical 20mm DiaX200mm Depth	3.000	No.	351.50	1,054.50
569	Rebar Fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout Chemical 25mm DiaX250mm Depth	3.000	No.	541.50	1,624.50
570	Rebar Fixing with FISCHER FISEM 390S or equivalent Fosroc or HILTI epoxy Chemical 8mm DiaX80mm Depth	20.000	No.	80.75	1,615.00
571	Rebar Fixing with FISCHER FISEM 390S or equivalent Fosroc or HILTI EPOXY Chemical 10mm DiaX100mm Depth	3.000	No.	104.50	313.50
572	Rebar Fixing with FISCHER FISV 390S or equivalent Fosroc or HILTI EPOXY Chemical 12mm DiaX150mm Depth	3.000	No.	171.00	513.00
573	Rebar Fixing with FISCHER FISEM 390S or equivalent Fosroc or HILTI EPOXY Chemical 16mm DiaX160mm Depth	3.000	No.	237.50	712.50
574	Rebar Fixing with FISCHER FISEM 390S or equivalent Fosroc or HILTI EPOXY Chemical 20mm DiaX200mm Depth	3.000	No.	418.00	1,254.00
575	Rebar Fixing with FISCHER FISEM 390S or equivalent Fosroc or HILTI EPOXY Chemical 25mm DiaX250mm Depth	3.000	No.	636.50	1,909.50
576	GROOVE CUTTING IN RCC MEMBER (WIDTH X DEPTH). 4 MM X 25 MM	3.000	RM	185.25	555.75
577	4 MM X 50 MM	80.000	RM	418.00	33,440.00
578	4 MM X 100 MM	3.000	RM	741.00	2,223.00
579	4 MM X 150 MM	3.000	RM	1,016.50	3,049.50
580	4 MM X 200 MM	3.000	RM	1,567.50	4,702.50
581	PROVIDING & FIXING CHEMICAL ANCHORING WITH NUT & WASHER IN RCC MEMBER OR BRICK WALL including required drilling (DIA X DEPTH). RGM or HILTI HASE 10X130 anchor bolt fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout chemical	400.000	No.	180.50	72,200.00
582	RGM or HILTI HASE 12X160 anchor bolt fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout chemical	500.000	No.	237.50	118,750.00
583	RGM or HILTI HASE 16X190 anchor bolt fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout chemical	550.000	No.	351.50	193,325.00
584	RGM or HILTI HASE 16X250 anchor bolt fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout chemical	200.000	No.	446.50	89,300.00
585	RGM or HILTI HASE 16X300 anchor bolt fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout chemical	3.000	No.	513.00	1,539.00
586	RGM or HILTI HASE 20X350 anchor bolt fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout chemical	100.000	No.	798.00	79,800.00
587	RGM or HILTI HASE 20X260 anchor bolt fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout chemical	120.000	No.	646.00	77,520.00
588	RGM or HILTI HASE 24X300 anchor bolt fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout chemical	3.000	No.	1,125.75	3,377.25
589	RGM or HILTI HASE 24X400 anchor bolt fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout chemical	10.000	No.	1,311.00	13,110.00
590	RGM or HILTI HASE 27X340 anchor bolt fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout chemical	3.000	No.	2,384.50	7,153.50
591	RGM or HILTI HASE 30X380 anchor bolt fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout chemical	3.000	No.	3,040.00	9,120.00
592	RGM or HILTI HASE 30X500 anchor bolt fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout chemical	3.000	No.	3,752.50	11,257.50
593	RGM or HILTI HASE 10X130 anchor bolt fixing with FISCHER FISEM 390s or equivalent Fosroc or HILTI EPOXY chemical	15.000	No.	237.50	3,562.50
594	RGM or HILTI HASE 12X160 anchor bolt fixing with FISCHER FISEM 390s or equivalent Fosroc or HILTI EPOXY chemical	3.000	No.	289.75	869.25
595	RGM or HILTI HASE 16X190 anchor bolt fixing with FISCHER FISEM 390s or equivalent Fosroc or HILTI EPOXY chemical	3.000	No.	422.75	1,268.25
596	RGM or HILTI HASE 16X250 anchor bolt fixing with FISCHER FISEM 390s or equivalent Fosroc or HILTI EPOXY chemical	3.000	No.	513.00	1,539.00
597	RGM or HILTI HASE 16X300 anchor bolt fixing with FISCHER FISEM 390s or equivalent Fosroc or HILTI EPOXY chemical	3.000	No.	655.50	1,966.50
598	RGM or HILTI HASE 20X350 anchor bolt fixing with FISCHER FISEM 390s or equivalent Fosroc or HILTI EPOXY chemical	3.000	No.	1,078.25	3,234.75
599	RGM or HILTI HASE 20X260 anchor bolt fixing with FISCHER fisEM or equivalent Fosroc or HILTI 390s EPOXY chemical	3.000	No.	798.00	2,394.00
600	RGM or HILTI HASE 24X300 anchor bolt fixing with FISCHER fisEM 390s or equivalent Fosroc or HILTI EPOXY chemical	3.000	No.	1,311.00	3,933.00
601	RGM or HILTI HASE 24X400 anchor bolt fixing with FISCHER FISEM 390s or equivalent Fosroc or HILTI EPOXY chemical	3.000	No.	1,828.75	5,486.25
602	RGM or HILTI HASE 27X340 anchor bolt fixing with FISCHER FISEM 390s or equivalent Fosroc or HILTI EPOXY chemical	3.000	No.	2,660.00	7,980.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
603	RGM or HILTI HASE 30X380 anchor bolt fixing with FISCHER FISEM 390s or equivalent Fosroc or HILTI EPOXY chemical	3.000	No.	3,277.50	9,832.50
604	RGM or HILTI HASE 30X500 anchor bolt fixing with FISCHER FISEM 390s EPOXY chemical	3.000	No.	3,752.50	11,257.50
605	PROVIDING AND FIXING OF MECHANICAL ANCHOR (DIA X DEPTH) FBN 10X126 'fischer' Mech. Anch. fixing	3.000	No.	109.25	327.75
606	FBN 12X126 'fischer' Mech. Anch. fixing	3.000	No.	137.75	413.25
607	FBN 12X146 'fischer' Mech. Anch. fixing	4.000	No.	152.00	608.00
608	FBN 16X145 'fischer' Mech. Anch. fixing	3.000	No.	209.00	627.00
609	FBN 16X170 'fischer' Mech. Anch. fixing	3.000	No.	256.50	769.50
610	FBN 20X184 'fischer' Mech. Anch. fixing	3.000	No.	337.25	1,011.75
611	FBN 20X225 'fischer' Mech. Anch. fixing	3.000	No.	399.00	1,197.00
612	SUPPLY & FIXING ANCHOR BOLTS WITH NUT & WASHER IN RCC MEMBER (DIA X DEPTH). IN CASE OF GROUTING, SAME WILL BE PAID IN above items of core filling for equal qty. as per anchor bolts. RGM or HILTI HASE 10X130 anchor bolt fixing	25.000	No.	66.50	1,662.50
613	RGM or HILTI HASE 12X160 anchor bolt fixing	3.000	No.	104.50	313.50
614	RGM or HILTI HASE 16X190 anchor bolt fixing	3.000	No.	190.00	570.00
615	RGM or HILTI HASE 16X250 anchor bolt fixing	3.000	No.	228.00	684.00
616	RGM or HILTI HASE 16X300 anchor bolt fixing	3.000	No.	285.00	855.00
617	RGM or HILTI HASE 20X350 anchor bolt fixing	3.000	No.	484.50	1,453.50
618	RGM or HILTI HASE 20X260 anchor bolt fixing	3.000	No.	470.25	1,410.75
619	RGM or HILTI HASE 24X300 anchor bolt fixing	3.000	No.	636.50	1,909.50
620	RGM or HILTI HASE 24X400 anchor bolt fixing	3.000	No.	1,140.00	3,420.00
621	RGM or HILTI HASE 27X340 anchor bolt fixing	3.000	No.	1,691.00	5,073.00
622	RGM or HILTI HASE 30X380 anchor bolt fixing	3.000	No.	2,080.50	6,241.50
623	RGM or HILTI HASE 30X500 anchor bolt fixing	3.000	No.	2,622.00	7,866.00
624	RGM or HILTI HASE 10X130 anchor bolt fixing	3.000	No.	66.50	199.50
625	RGM or HILTI HASE 12X160 anchor bolt fixing	3.000	No.	104.50	313.50
626	RGM or HILTI HASE 16X190 anchor bolt fixing	3.000	No.	190.00	570.00
627	RGM or HILTI HASE 16X250 anchor bolt fixing	3.000	No.	228.00	684.00
628	RGM or HILTI HASE 16X300 anchor bolt fixing	3.000	No.	285.00	855.00
629	RGM or HILTI HASE 20X350 anchor bolt fixing	3.000	No.	489.25	1,467.75
630	RGM or HILTI HASE 20X260 anchor bolt fixing	3.000	No.	418.00	1,254.00
631	RGM or HILTI HASE 24X300 anchor bolt fixing	3.000	No.	636.50	1,909.50
632	RGM or HILTI HASE 24X400 anchor bolt fixing	3.000	No.	893.00	2,679.00
633	RGM or HILTI HASE 27X340 anchor bolt fixing	3.000	No.	1,691.00	5,073.00
634	RGM or HILTI HASE 30X380 anchor bolt fixing	3.000	No.	2,080.50	6,241.50
635	RGM or HILTI HASE 30X500 anchor bolt fixing	3.000	No.	2,622.00	7,866.00
636	39 MM, MS Full THREADED ROD, 900 MM LONG	3.000	No.	988.00	2,964.00
637	24 MM, MS Full THREADED ROD, 1000 MM LONG	3.000	No.	399.00	1,197.00
638	TRANSPORTATION FOR SKILLED WORKMEN (TO & FRO) BASED ON CERTIFICATION BY ENGINEER-IN-CHARGE OF GIPCL AND ONLY IN CASE OF CALL FOR JOB VALUE UP TO Rs. 2,000/- for above item nos. 523 to 637.	30.000	Man-day	475.00	14,250.00
639	MOBILIZATION CHARGES FOR TOOLS & TACKLES (TO & FRO) BASED ON CERTIFICATION BY ENGINEER-IN-CHARGE OF GIPCL AND ONLY IN CASE OF CALL FOR JOB VALUE UP TO Rs. 2,000/- for above item nos. 523 to 637.	30.000	Man-day	475.00	14,250.00
640	Conditional scaffolding charges for all above works of Part-K as per site & safety requirements for the work needs to be executed by providing safe MS scaffolding for work height more than and equal to 4.00M where, according to GIPCL, no other option to execute the work without scaffolding. Approx. size of scaffolding requirement shall be pre-approved through GIPCL before execution. Charges includes providing approved scaffolding materials (MS pipes with clamps, base plates, etc), erection of standard scaffolding as approved by GIPCL, make proper & safe approach & platform with safe guard and dismantling & demobilization of the same after completion of given scope of work. No any idle charges will be considered due to delay from either side due to whotsoever reason.	100.000	M2	133.00	13,300.00
<b>L. SCHEDULE OF RATES FOR LABOUR AND EQUIPMENTS:</b>					



SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
641	Supply of Labours / Equipments for works other than listed in this SoR (Part-A to K) or as directed by Engineer-in-charge for specific work requirements inclusive of all tools, tackles, supervision, Labour Laws liabilities, Insurance, transportation, fuel, operator etc. per day eight hour duty for the following : a) Unskilled labour	400.000	DAY	291.88	116,751.20
642	b) Mason	3.000	DAY	570.00	1,710.00
643	c) Pump Operator	3.000	DAY	380.00	1,140.00
644	d) Road roller with driver	3.000	DAY	6,175.00	18,525.00
645	e) Tractor with driver	10.000	DAY	1,140.00	11,400.00
646	f) Supply of electric breaker machine with operator	80.000	DAY	1,425.00	114,000.00
647	g) Supply of water tanker 3000 Liter capacity full of drinking water.	3.000	No.	1,947.50	5,842.50
648	h) Supply of tractor with plough arrangement for area leveling, grass weeding etc...	3.000	DAY	1,200.00	3,600.00
649	i) Visit charges of service engineer/technician for servicing of "ROOTS" make E-500 and E-430 Auto Scrubber / Cleaning machines at GIPCL-SLPP. Necessary spares will be issued by GIPCL at free of cost.	8.000	Visit	2,422.50	19,380.00
650	j) JCB with operator, helper & fuel per day (for 08 hrs.)	10.000	DAY	5,700.00	57,000.00
<b>M. SCHEDULE OF RATES FOR STRUCTURAL FABRICATION &amp; ERECTION TYPE OF JOBS:</b>					
651	Supplying, detailing, making shop drawings, fabricating, transporting to site and erecting in position structural steel members conforming to IS: 2062 Grade A, provision of erection bolts, permanent bolts, nuts, washers, welding cleats, stiffeners, gussets, base plates including all operation such as cutting, straightening, grinding, welding, providing erection / permanent bolts, nuts, washers etc. complete, including preparation of surfaces and providing a shop coat of zinc phosphate primer, touching up and then applying a second coat of zinc phosphate primer after erection and applying three coats of synthetic enamel paint of approved manufacture, colour and shade conforming to IS 2932 as per specifications and approved fabrication drawings or as directed by Engineer-in-charge etc all complete. The present basic rate of structural steel is considered at Rs. 50000/- per MT. In case of any revision in basic cost, the differential cost (+ or -) shall be paid accordingly.	1.000	MT	61,750.00	61,750.00
652	Same as above for quantity up to 100kg at single isolated location at any height.	50.000	Kg	81.70	4,085.00
653	Fabricating, transporting to site and erecting in position structural steel members conforming to IS: 2062 Grade A (Structural steel issued by GIPCL at free of cost at steel yard), provision of erection bolts, permanent bolts, nuts, washers, welding cleats, stiffeners, gussets, base plates including all operation such as cutting, straightening, grinding, welding, providing erection / permanent bolts, nuts, washers etc. complete, including preparation of surfaces and providing a shop coat of zinc phosphate primer, touching up and then applying a second coat of zinc phosphate primer after erection and applying three coats of synthetic enamel paint of approved manufacture, colour and shade conforming to IS 2932 as per specifications and approved fabrication drawings or as directed by Engineer-in-charge etc all complete.	39.500	MT	14,535.00	574,132.50
654	Same as above for quantity up to 100kg at single isolated location at any height.	3,000.000	Kg	20.90	62,700.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
655	Providing, Supplying, detailing, fabrication, transporting to site and erecting in position, with structural steel members fabricated from M.S. square members, pipes, conforming to IS 4923 for truss, till runners, purlines supports, etc. all including all materials & operation such as cutting, straightening, grinding, welding, fixing in line & level at all elevation, providing erection / permanent bolts, nuts, washers etc. complete, including preparation / cleaning of surfaces with wire brush /mechanical means and providing two coat of red oxide, zinc chromate primer touching up and then applying a second coat of zinc phosphate primer after erection and applying three coats of synthetic enamel paint of approved manufacture, colour and shade conforming to IS 2932 as per specifications and approved fabrication drawings or as directed by Engineer-in-charge etc all complete. The present basic rate of structural steel is considered at Rs. 55,000/- per MT. In case of any revision in basic cost, the differential cost (+ or -) shall be paid accordingly.	1.000	MT	68,875.00	68,875.00
656	Same as above item but material shall be issued free of cost from GIPCL store and labour charges for fabrication & erection with all necessary tools & tackles, consumables, nuts, washers, accessories, fixtures, etc... complete.	1.000	MT	14,725.00	14,725.00
657	Supplying, transporting to site and erecting in position M.S.Gate as per approved design including cutting, welding and fabrication, transporting to site fixing/erecting in position, with structural steel members made out with rolled steel section and/or plate conforming to IS 2062 and grouting of same in ground and also including preparation and cleaning of surfaces with wire brush / mechanical means and providing with wire brush / mechanical means and providing a shop coat of red oxide, zinc chromate, primer, touch-up, a second coat of primer after erection and two coats of synthetic enamel paint of approved manufacture, colour and shade as directed by engineer in-charge. All Structural steel, standard fixtures & fasteners will be in the scope of contractor. The rate is including grouting of M.S.Beam in ground with PCC of 1:3:6 (The required quantity of cement for grouting will be issued from our store at free of cost).	300.000	Kg	88.35	26,505.00
658	Dismantling of damage structure steel from various location/ building including all activities like cutting, removing, shifting of damage material, staging (if required) etc. complete and shifting scrap in to steel yard.	8.000	MT	9,500.00	76,000.00
659	Same as above for quantity up to 100kg at single isolated location at any height.	250.000	Kg	11.40	2,850.00
660	Repairing of M.S. Windows, which includes servicing, greasing, oiling of shutters, fixing of detached shutters or other parts of windows to bring it in working condition and also includes providing necessary parts like handle lock, latch, stopper, etc... complete. Cost of parts will be reimbursed separately at actual in subsequent item on production of original bills with incoming challan.	30.000	per window	242.25	7,267.50
661	Same as above but repairing of MS doors, which includes providing new MS aldrops, hinges, latch, handles, repairing & servicing of shutter to bring it in proper operation. Cost of parts will be reimbursed separately at actual in subsequent item on production of original bills with incoming challan.	20.000	per door	242.25	4,845.00
662	Same as above but repairing of security "STOP" movable barricades, which includes replacement of damaged rollers and providing new Nylon rollers. Cost of parts will be reimbursed separately at actual in subsequent item on production of original bills with incoming challan.	12.000	No.	242.25	2,907.00
663	Supply of various parts/spares for MS doors, windows, barricade boards, etc... like hinges, aldrops, latch, handles, rollers, bearings, etc... or any other whatsoever required for maintenance purpose as directed by Engineer-in-charge. Payment will be made at 10% on original purchase bill value.	20,000.000	%	9.50	190,000.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
664	Grouting of M.S. inserts like pipes, angles, channels, etc. including shuttering at all heights with cement concrete, etc. complete as directed. Cement will be issued from GIPCL store. Grouting concrete size up to 300mm x 300mm x 300mm is included in the item. For more than this size, the same will be paid in separate item of concreting.	9.000	No	114.00	1,026.00
665	Attending under ground running water pipe line leakages with necessary tools & tackles for minimum depth of excavation 1.00 meter. Necessary electric supply for welding, cutting will be provided by GIPCL. (a) Within a lead up to 5 km radius	3.000	No.	3,610.00	10,830.00
666	(b) lead beyond 5 km and up to 35 kms.	3.000	No.	3,895.00	11,685.00
667	Same as above but for above ground pipe line leakage which also includes pipeline placed up to 1 meter depth from ground level.	40.000	No.	2,137.50	85,500.00
668	Removing of existing AC and/or GI sheets (including ridge, corners, gutters) from roof beam purlins and/or wall cladding beams of existing building roofs, parking sheds, boiler lift cladding and any other structures of Power Plant including all required tools & tackles, skilled and/or unskilled labour, supervisor, all necessary safe working arrangements for workers at all height like safe scaffolding, durable ladders, all safety equipments/PPEs, safety belts, including lowering down of sheets, loading, unloading, shifting, transporting, stacking of all removed sheets, J-bolt, etc... at GIPCL store/scrap yard or out side plant premises, etc. all complete in all respects as per specification and as directed by Engineer-in-charge.	1,000.000	M2	95.00	95,000.00
669	Same as above item but Roof Gutter A.C. or G.I. or Galvalume.	50.000	RM	118.75	5,937.50
670	Same as above item no. 668 & 669 but for removal of sheets in isolated way by selecting damaged sheets from roofing/cladding from any one roof/cladding structure for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work	20.000	M2	190.00	3,800.00
671	Supplying, providing and fixing of GI steel sheeting on existing available supports/purlins of various roofing & claddings for building, parking sheds, equipment roofs, warehouse, godowns, canopy, stores, sheds, JNTs, lignite & limestone conveyor galleries, etc and any other structures including all connected fixtures and accessories such as but not limited to approved make self driven screws with nuts & washer of same approved manufacturer instructions for appropriate length/size as per site requirements or approved make & size PVC coated "J" bolts as directed by Engineer-in-charge including necessary flashing/lapping of sheets as per manufacturer's specifications/recommendations, etc. complete including all materials, manpower, tools & tackles, fastening materials, equipments, machineries, MS scaffolding, all safety equipments/PPEs like but not limited to safety net, safety belts, etc... including transporting, loading, unloading, shifting, safe storage, cutting, lapping of sheets as per manufacturer specification and as per site requirement. The side laps are with special male-female side laps and anti siphoning feature to prevent water leakage. The pan shall be stiffened by using 3 small ribs. The rate quoted shall be including all. (a) 24 gauge corrugated sheets	50.000	M2	570.00	28,500.00
672	(b) 20 gauge plain GI sheet	50.000	M2	617.50	30,875.00
673	(c) Transparent colour corrugated acrylic sheet (1 mm thick)	50.000	M2	712.50	35,625.00
674	(d) Transparent colour or plain corrugated sheet for thickness more than 2mm.	50.000	M2	760.00	38,000.00
675	(e) Color coated Galvalume or Zinalume high tensile steel sheeting (as per detailed technical specifications mentioned in tender documents).	50.000	M2	712.50	35,625.00
676	(f) Providing, supplying & fixing of 20g GI / Galvalume gutter with including cutting/bending in required size with nuts, bolts etc. complete at all elevations.	50.000	M2	665.00	33,250.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
677	Labour charges for fixing of new corrugated G I sheets or Color coated Galvalume or Zinalume high tensile steel sheeting in roofing/ cladding/ covering corners, ridges, etc. at all elevation. All sheets shall be fixed with existing structural supports by means of approved fixtures like new galvanized iron PVC coated J or L hooks 8 mm dia/coated GI bolts or approved quality rust shield coated GI screws (of Hilti make) & bitumen/GI washer, necessary lapping, including cutting to proper size, etc. complete. Required quantity of sheets for roofing & ridge shall be issued at free of cost by GIPCL from store within Plant premises. Necessary transportation, shifting, lifting & safe storage at work site shall be in the scope of contractor. Other approved quality & make standard fixtures shall be supplied & provided by contractor for fixing of sheets. Contractor shall first submit samples of fixtures in advance and GIPCL's approved sample only shall be used for fixing of sheets. All required safe working arrangements as well as issue of safety PPEs to all workers shall be in the scope of contractor for working at such height.	2,630.000	M2	147.25	387,267.50
678	Same as above but for fixing of sheets in isolated way by selecting damaged area on roofing/cladding from any one roof/cladding structure for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work site.	15.000	M2	190.00	2,850.00
679	Removing of Fencing post (R.C.C. or Steel) including excavation & breaking cement concrete, dispose off at designated locations etc.	80.000	NO.	161.50	12,920.00
680	Removing Barbed wire each raw, dispose off at designated locations/scrap yard etc	500.000	RM	2.85	1,425.00
681	Dismantling of Chain link fencing including removing of M.S. angle posts, horizontal bracings, top 3 raw barbed wires, (excavation, breaking of cement concrete base of supports, etc shall be paid under relevant items), dispose off at designated locations / scrap yard etc.	10.000	M2	80.75	807.50
682	Same as above item but for total executed gross work done quantity less than or equal to 3.00M at single location/specific work site for all elevations as per specific work requirement confirmed by GIPCL. This is not applicable for individual quantities for single location/specific work site.	10.000	M2	142.50	1,425.00
683	Same as above but for removing only chain link of any height.	10.000	M2	61.75	617.50
684	Providing and fixing of barbed wire fencing with 12-14 gauge barbed wire, 2 cross wire between vertical member over existing compound wall with necessary bolts, nuts and packing for fastening. (a) Only fixing and repairing of existing barbed wire over existing compound wall with necessary bolts, nuts and packing for fastening, tightening etc. complete (Excluding cost of Barbed wire). Length of compound wall will be considered for measurement.	100.000	Rmt.	14.25	1,425.00
685	(b) Providing, transporting and fixing of 05 rows of 12-14 gauge GI barbed wire fencing with two cross wire between already fixed MS "Y" angle posts on compound wall with necessary hard ware, fastenings, GI bolts, GI nuts, GI washers, GI pins, etc... in proper line & level, etc... complete with all materials, labour, scaffolding, as directed by Engineer-in-charge.. (Length of barbed wire will be consider for measurement).	1,500.000	Rmt.	19.00	28,500.00
686	Providing, transporting and fixing of barbed wire fencing with 2.13 Mtr. (7') long heavy duty pre-cast poles and spacing at 2.5 mtr. c/c bracing poles at every 15 mtr. c/c and every junction / corner, this is including the lime painting of all poles with top capping (6' from top) with black enamel paint and numbering of the poles by black letter (2.5" size) on yellow circular background (4" dia) with enamel paints, including evacuation of pits (300mm dia 500mm deep) and grouting of poles with 1:4:8 mix concrete and also including providing, transporting and fixing of 7 rows of 12-14 gauge barbed wire, 2 cross wire between pole to pole with J bolts, nuts and packing for fastening and tightening as directed by GIPCL engineers (The rate is including all cost of material except free issue of cement required for grouting of pole only).	100.000	Rmt.	427.50	42,750.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
687	Providing, supplying all materials and installing galvanized steel chain link fencing as per IS:2721 (mesh size 50 mm, nominal dia of wire 3mm) 2400mm high including vertical post of ISA 75 x 75 x 6 spaced at 2.5 mtr. intervals with strut angle ISA 50X50X6 at every 05 meter span & all corners, reinforced with MS flat of 50 x 6 mm all around in each span and ISA 50 x 50 x 6 to be run on top & bottom with and all connectors like pin fasteners, concreting of pedestal for vertical post etc. complete as per enclosed sketch & as directed by Engineer-in-charge including two coats of aluminum paint over a coat of zinc chromate primer on the structure (Required quantity of cement shall be supplied by GIPCL).	50.000	Sqm	997.50	49,875.00
688	Providing, Supplying all materials and installing galvanized steel PVC coated chain link fencing as per IS:2721 minimum 8 gauge (including PVC coating) with mesh size 75mm and of required height including vertical post of ISA 75 x 75 x 6 spaced at 2.5 meter. Intervals with strut angle ISA 50X50X6 at every 05 span & all corners, reinforced with MS flat of 50x6 mm all around in each span and ISA 50 x 50 x 6 to be run on top & bottom with and all connectors like pin fasteners, concreting of pedestal for vertical post etc. complete including two coats of aluminum paint over a coat of zinc chromate primer on the structure and also including concreting for vertical post including cost of all material etc. complete as per specification and as directed by Engineer-in-charge.	50.000	Sqm	1,140.00	57,000.00
689	Dismantling of existing damaged MS or GI pipe railing of any size.	50.000	RM	147.25	7,362.50
690	Providing, supplying, detailing, fabrication, transporting to site and erecting in position hand railing using 32mm NB G.I. Pipes (B-class) with screwed ends with two horizontal rails one at 500 mm and another at 1200 mm above the base level with vertical pipes at 1000 mm including provision of all accessories like necessary bends, ties, junctions, sockets, including all operation such as cutting, straightening, alignment, grinding, welding, fixing in line and level at all elevation as per specification & drawing and also including a toe protection MS plate of 65 x 8 mm shall be provided for all hand railing including painting of toe plate with one coat of primer and two coats of aluminum paint & touching with aluminum paint after erection etc. complete as directed by Engineer in-charge. (Supply of all material including G.I. Pipe, structure steel & paint materials are in the scope of contractor)	10.000	RM	940.50	9,405.00
691	Same as above but labour charges for providing & fixing hand railing. Necessary MS or GI pipes will be issued free of cost from GIPCL store.	60.000	RM	342.00	20,520.00
692	Same as above but quantity up to 3.00 RM at any isolated location.	10.000	No.	950.00	9,500.00
693	Supplying, fixing, testing & commissioning of 100mm dia. "TATA" make G. I. "C" class (HEAVY DUTY 15kg/cm2 on hydro test) pipe with 'R' brand fixtures such as tee, elbow, union, nipple etc., for domestic water supply, including necessary excavation up to average 1 meter depth from average ground level, covering the GI pipes with a coat of hot bitumen and fully wrapped in gunny cloth dipped in hot bitumen in the trenches etc., all complete. Works including excavation and refilling with sand encasing 100 mm all-round in all sorts of soil, welding the joints with approved welding electrodes (SPZB welding electrode 0080 of Advani or equivalent approved make only), testing for leakage & commissioning, etc... complete as per specifications and as directed by Engineer-in-charge.	10.000	RM	1,520.00	15,200.00
694	Same as above but GI pipes will be issued free of cost from GIPCL store. Necessary bending, cutting, etc.. Will be in the scope of contractor.	10.000	RM	541.50	5,415.00

SR. NO.	BRIEF ITEM DESCRIPTION	Estimated Quantity	UNIT	Unit rate (Rs.)	Estimated Total SOR Amount (Rs.)
695	Laying, transporting to site and erecting in position, 6" dia. G.I. Rain water pipe (supplied by GIPCL at free of cost) from the roof height maximum of 50 mtr. to zero meter level, including all operation such as scaffolding, cutting, straightening, preparing bends, grinding, erecting in position, welding, clamping using heavy duty clamps at every 3 mtr. length with existing structure columns or walls, fabricating required bends from G.I. pipe, etc... complete as directed by Engineer-in-charge.	50.000	RM	579.50	28,975.00
696	Providing and fixing M.S. grills or MS gratings of required pattern to window jams/brick wall, platforms, drain covers, etc., with M. S. flats at required spacing and frame all-round of square or round openings with round headed bolts and nuts or by screws or welding including applying two coats of red oxide (one shop coat & another after erection and 2 coats of oil paint) as per detailed specifications.	10.000	Kg	76.00	760.00
697	Providing, transporting and fixing of 05 rows of 12 gauge (Strand Dia)-14 gauge (Barb Dia) "TATA" make barbed wire fencing, 3" Barb spacing with two cross wire between existing vertical M.S. angle post over existing compound wall with necessary hard ware, fastenings and also including surface cleaning and painting two coats of red oxide primer & two coats of synthetic enamel paint on existing M.S. angle post, etc., all complete as directed by E-I-C. Rate includes removal of existing damaged wire fencing. (Straight length of compound wall shall be considered for payment without any intersection/junction connections).	100.000	RM	261.25	26,125.00
698	Supply of Labours / Equipments for works other than listed in this SoR (Part-A to M) or as directed by Engineer-in-charge for specific work requirements inclusive of all tools, tackles, supervision, Labour Laws liabilities, Insurance, transportation, fuel, operator etc. per day eight hour duty for the following :				
	(a) Welder / Cutter	80.000	per day	422.75	33,820.00
699	(b) Fitter / Rigger	14.000	per day	422.75	5,918.50
700	(c) Helper	150.000	per day	413.25	61,987.50
701	(d) Pump Operator	10.000	per day	422.75	4,227.50
702	(e) Welding Machine with all accessories	35.000	per day	779.00	27,265.00
703	(f) Gas cutting set with DA & Oxygen Cylinder	42.000	per day	969.00	40,698.00
704	(g) Supply of electric breaker machine with operator	31.000	per day	2,137.50	66,262.50
	<b>Estimated SoR value for two years (without GST)&gt;&gt;&gt;</b>				<b>16,450,833.15</b>