

<b>SECTION-E</b>					
<b>GUJARAT INDUSTRIES POWER COMPANY LIMITED</b>					
<b>(SURAT LIGNITE POWER PLANT)</b>					
<b>RATE SCHEDULE OF A.R.C. FOR CIVIL WORKS OF SLPP-COLONY FOR ONE YEAR (2019-20)</b>					
Sr. No	Item Description	Estimated Qty	Unit	SoR Rate (Rs.)	SOR Amount (Rs.)
<b>(A) DISMANTALLING WORK</b>					
	Dismantalling work shall include working at all heights and depth including storing and stacking the serviceable material and 'disposing of the debris and unserviceable material to out side colony or scrap yard in plant as directed by engineer.				
1	P.C.C. of any mix	10.00	M3	807.5	8075.00
2	-do- for content upto 0.15 M3	10.00	No.	123.50	1235.00
3	R.C.C. of any mix	5.00	M3	1,178.00	5890.00
4	-do- for content upto 0.15 M3	10.00	No.	323.00	3230.00
5	Brick masonry work in Cement mortar with plaster	10.00	M3	332.50	3325.00
6	-do-for up to 0.15 M3	10.00	No.	61.75	617.50
7	Chipping plaster of any mix	25.00	M2	80.75	2018.75
8	All types of brick flooring	20.00	M2	80.75	1615.00
9	Braking & Removing of curbstone of any size	10.00	RM	32.00	320.00
10	Removal of doors, windows, Ventilation (steel or wooden), Rolling etc. with frame	5.00	M2	161.50	807.50
11	All types of floor/dedo like ceramic/ glazed/vetrified tiles etc..	10.00	M2	80.75	807.50
12	-do- for content upto 0.50 M2	5.00	No.	52.00	260.00
13	Roofing sheet A.C. or G.I.	15.00	M2	95.00	1425.00
14	As above for roofing sheet up to 3.15 m2	2.00	No.	353.00	706.00
15	Roofing sheet FRP	25.00	M2	70.00	1750.00
16	Roof Gutter A.C. or G.I.	10.00	RM	118.75	1187.50
17	Wooden / Aluminium partitions fully panelled / partly 'glazed / double skin , Alu. Doors, Windows, etc.	15.00	M2	123.5	1852.50
18	-- do-- for partitions, doors, windows up to 2.10 sqm.	10.00	No	242.25	2422.50
19	False ceiling including removing of Aluminium grid work novateak/ gypsum board tiles, Aluminium strips G.I.hangers, hooks, etc.	10.00	M2	80.75	807.50
20	-- do-- as above but for qty. up to 1.00 sqm.	5.00	No	95.00	475.00
21	Removing floor spring of Alu. doors	2.00	No.	123.50	247.00
22	Removing of various pipe lines (excavation and backfilling, jari cutting, etc. shall be paid saperatly under relevant items)				0.00
23	(a) GI pipe up to 50mm dia.	50.00	RM	47.5	2375.00
24	(b) GI, CI, SW, AC, pipelines more than 50 mm and upto & incl. 150 mm dia	20.00	RM	80.75	1615.00
25	© PVC pipe upto 150mm dia.	10.00	RM	43.00	430.00
26	(d) PVC pipe above 150mm dia and upto& incl. 200mm dia.	10.00	RM	52.00	520.00
27	Removing of RCC hume pipe (excavation and backfilling, etc. shall be paid under relevant items)				0.00
28	(a) RCC pipe Upto 300 mm dia	10.00	RM	242.25	2422.50
29	(b) 'RCC pipe 450 mm dia & upto 600 mm dia	10.00	RM	646.00	6460.00
30	Fencing post (R.C.C. or Steel) including excavation & breaking cement concrete etc.	10.00	NO.	161.50	1615.00
31	Barbed wire each raws.	15.00	RM	2.85	42.75
32	Chain link fencing including removing of M.S. angle posts, horizontal bracings, top 3 raws barbed wires, (excavation, breaking of cement concrete base of 'supports, etc shall be paid under relevant items)..	10.00	M2	80.75	807.50
33	-do -but for fencing upto & inclusive 3.0mtr.length at one location	10.00	M2	142.50	1425.00
34	Same as above but for removing only chain link of any height.	15.00	M2	61.75	926.25

35	Indian or European W.C.,Urinals, Wash basins, Nahni trap & similar fittings.	10.00	NO.	403.75	4037.50
36	Removal of existing pea gravel Tar felt water proofing treatment.	25.00	M2	28.50	712.50
37	Road cutting ( including seal coat, carpet, semigrouting, & rubble soling,)	10.00	M3	475	4750.00
38	Removing of glass panels from aluminium partition,doors, windows, etc. and refixing the same as required	25.00	M2	123.5	3087.50
39	Cutting zari up to 50mm x 50mm with cutting machine / manually in brick masonry wall for piping work	25.00	Rm	61.75	1543.75
40	Providing grooves in existing wall for laying of various conduites etc. up to 100mm deep and 100mm wide in perfect line and shape.	25.00	RM	80.75	2018.75
41	Same as above but for flooring.	15.00	RM	123.50	1852.50
42	Removing of existing exhaust fan jali including necessary scaffolding and submite at estate office.	50.00	No	147.00	7350.00
43	Dismantaling manglore tiles roofing including satcking at specified location etc..	15.00	SM	58.00	870.00
44	Dismantling of rubble soling	10.00	M3	260.00	2600.00
<b>B) EARTHWORK, FILLING, DRESSING:</b>					
1	Clearing the site of all vegetation, trees, bushes, shrubs, undergrowth, etc., and disposal to dumps as instructed by the Engineer-in-charge including all lifts and leads etc., complete.	25.00	Sqm	26.25	656.25
2	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.				
3	(a)0.0 m to and including 1.5 m	15.00	M3	161.50	2422.50
4	(b)Below 1.5 m & upto 3.0 m	10.00	M3	190.00	1900.00
5	© Same as above but excavation with JCB up to 5.00 mt Depth	5.00	M3	209.00	1045.00
6	AS above but for qty. up to 0.5 m3 at one location	10.00	No	95.00	950.00
7	Excavation for pit including dewatering, removing of mud,shoring, strutting,etc.for attending leakage of pipe line,etc. complete.	15.00	M3	261.25	3918.75
8	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.	20.00	M3	85.50	1710.00
9	Backfilling to proper grade & level with selected available earth within a plant area including re- excavating the deposited earth earlier, breaking clods, laying at all depths and height in layers of 15 cm loose thickness, watering and ramming to compaction, dressing, etc. for general site grading & plinth filling etc.complete	10.00	M3	95.00	950.00
10	- do - without consolidation	10.00	M3	76.00	760.00
11	Surface dressing of the ground in ordinary soil including removing vegetation, pebbles, aggregates and stacking as directed, excavation / filling upto 150mm thickness, disposal of rubbish and excavated materials to a lead of 1 Km. as directed or outside premises at suitable location, dressing, levelling to required gradient, compacting,etc. complete.	500.00	M2	11.40	5700.00
12	Filling fly ash under floors, in foundations, plinths, roads etc. including spreading in layers of 15 cm loose thickness at all depths, watering, consolidation, dressing and levelling, 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.)	25.00	M3	95.00	2375.00

13	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.	5.00	M3	199.50	997.50
14	-do- but murrum of approved quality including supply of murrum.	5.00	M3	365.00	1825.00
<b>C) FOUNDATION &amp; CONCRETE WORKS:</b>					
1	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)	2.00	M3	1235.00	2470.00
2	Providing 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)	10.00	M3	845.50	8455.00
3	Dressing and levelling 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 bading 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.	25.00	M2	256.50	6412.50
4	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.	3.00	M3	2280.00	6840.00
5	.-do- as above but qty up to 0.5 m3	5.00	No	1460.00	7300.00
6	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.	25.00	M2	80.75	2018.75
7	Same as above but for Labour charges with all tools tackles, etc. necessary insecticides required for the treatment shall be supplied free of cost by GIPCL at store).	10.00	M2	31.50	315.00

8	Providing Post construction anti-termite treatment for both types of termite i.e. subterranean or ground nesting termites and non-subterranean or wood nesting termites having no contract with soil. Creating a chemical barrier at top surface of floor (plinth area) ,junction of wall and floor along the periphery of building, outside periphery, expansion joints, periphery of wood works, etc..with approved emulsifiable insecticides at the rates and concentration including drilling of holes minimum 200mm depth-12mm dia. at 300mm c/c, Re plugging hole white white cement and finishing the surface good. complete as directed by engineer	10.00	M2	33.25	332.50
9	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.	10.00	M3	2527.00	25270.00
10	.-do- as above but qty up to 0.5 m3	5.00	No	1354.00	6770.00
11	Providing & laying reinforced cement concrete of M15 grade or M20 with 20 mm down graded stone aggregates in foundations, or super structures for footing, columns, beams, walls, slab, lintels, chajjas, rafts, staircase, facias, coping 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 0.00m. to 1.5m.	15.00	M3	2631.50	39472.50
12	(b) For work below Ground level 1.5m. to 3.0m.	1.00	M3	2688.50	2688.50
13	© For work above Ground level 0.00m. to 5.0m.	2.00	M3	2631.50	5263.00
14	same as above item but for content below 0.5 M3 at one location and for all elevations	2.00	M3	3800.00	7600.00
15	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.	15.00	M3	2888.00	43320.00
16	Providing and laying 50mm thick damp proof course in cement concrete M150 including placing, tamping, curing, shuttering, applying two coats of hot bitumin of grade 80/100 at rate of 1.7 Kg./M2, spreading uniform layer of sand over hot bitumen, etc. complete.	15.00	M2	260.00	3900.00
17	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 timberboards for foundations, rafts, pedestals, grade beams, columns, etc.upto G.L.	15.00	M2	213.75	3206.25
18	(b) Form work to give fair & smooth finish for exposed concrete surface using sheating formed from tongued and groved boards/plywood steel sheets for column, beams, chajas, slabs, walls, coping, facias, fins, staircase, etc.				
	(i) For height upto 5.0 m	15.00	M2	213.75	3206.25
	(ii) For height above 5.0 m	2.00	M2	232.75	465.50
19	Providing and erecting / fixing at position scaffolding work for any height above 3.0 mtr. level and removal after completion of work including all materials & labour.				

	For scaffolding work without making holes in existing construction ( i.e. double scaffolding)	25.00	M2	133.00	3325.00
20	Labour Charges for erecting / fixing at position scaffolding work for any height. level and removal				
	after completion of work including all fitting materials & labour.	10.00	M2	105.00	1050.00
21	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 the following:				
	For Mild Steel and High yield strength deformed bars	1.50	MT	8417.00	12625.50
22	Grouting of M.S. inserts like pipes, angles, channels, Frame etc. including shuttering, scaffolding, etc. at all heights. with cement concrete, etc. complete as directed.	10.00	No	1114.00	11140.00
23	Finishing on MS frame with cement plaster and match with existing surface on MS Door/Window/Ventitator in cluding removing of damaged MS surface area at any height as per instruction of Site Incharge	10.00	No	155.00	1550.00
24	Providing and erecting in position precast reinforced concrete elements of M:30 mix with 20 mm down graded stone aggregates for trench covers, shelves, etc. as per specified size and thickness including preparation of mould, vibra ting, tamping, curing, finishing the top surface to give smooth finish, providing lifting lugs, transportation to site, aligning & fixing in position, breaking concrete surface, if required, proper fixing in position and making good, etc. complete but excluding cost of reinforcement, as per specification and as directed by Engineer.				
	(a) For unit weight not exceeding 200 Kg.	2.00	M3	7600.00	15200.00
25	(b) For unit weight above 200 Kg. & upto 500 Kg.	1.00	M3	7790.00	7790.00
26	Providing and erecting in position precast reinforced concrete FSRC Chamber cover (Including cost of Cement & Raiforcement steel) as required size & thikness.				0.00
	(a) size 0.450m x 0.450mx0.075m	15.00	No	380.00	5700.00
27	(b) size 0.60m x 0.60mx0.075m	15.00	No	515.00	7725.00
28	(c) size 0.90m x 0.90mx0.075m	10.00	No	1025.00	10250.00
29	Providing and fixing in position precast reinforced concrete Block (Including cost of Cement & Raiforcement steel) 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.				
	(a) size 0.450m x 0.450mx0.075m	5.00	M2	1465.00	7325.00
30	(b) size 0.450m x 0.450mx0.050m	10.00	M2	955.00	9550.00
31	Providing and fixing in position Prince Make-(DURAFIT) Manhole covers for 05 metric Ton capacity chambers				
	(a) size 0.600m x 0.600m	2.00	No	5070.00	10140.00
32	(b) Size Circular 0.500m	2.00	No	4010.00	8020.00
33	© Size 0.900x0.600m	2.00	No	6715.00	13430.00
34	Providing and laying 1:4 cement sand screeding average thickness of 60mm over RCC surface including cleaning the surface, curing, etc. complete as directed.	5.00	M2	194.75	973.75

<b>D) BRICK WORK, RR MASONRY PLASTER, FLOORING</b>					
1	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	5.00	M3	1805.00	9025.00
2	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.	20.00	M3	2280.00	45600.00
3	b) 0.00m. to 5.0m.	2.00	M3	2470.00	4940.00
4	c) 'Same as item but for quantity upto 0.5 M3 at one location and for all elevations	5.00	M3	2313.25	11566.25
5	Same as above item no. 2, but fly ash bricks supplied by GIPCL on chargeable basis at basic rate of Rs. 2.0 per brick. Transportation of Bricks from Deep firm house to workplace shall be in the scope of contractor				
	a) In foundations and in works below plinth/grade level.	5.00	M3	1900.00	9500.00
6	b) 0.00m. to 5.0m.	2.00	M3	2090.00	4180.00
7	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.	50.00	M2	285.00	14250.00
8	b) 'Same as item but for quantity upto 0.5 M2 at one location and for all elevations	10.00	M2	289.75	2897.50
9	Same as above item , but fly ash bricks supplied 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.	10.00	M2	270.75	2707.50
10	Providing smooth cement plaster 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.	15.00	M2	133.00	1995.00
11	b) Above 5.0m. & upto 10.0m.	2.00	M2	142.50	285.00
12	Same as item no.10 but for quantity upto 0.5 M2 at one location and for all elevations				

	for all elevations	15.00	M2	142.50	2137.50
13	Same as above but including providing chicken mesh at all level.	10.00	M2	180.50	1805.00
14	Providing 6 mm thick cement plaster to ceiling in cement mortar 1:3 including scaffolding, curing, etc. complete.	10.00	M2	128.25	1282.50
15	Providing exterior sand faced cement plaster 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.	15.00	M2	171.00	2565.00
16	b) Above 5.0m. & upto 10.0m.	5.00	M2	190.00	950.00
17	Prov.& making 12 mm x 12 mm grooves in plaster	10.00	RMT	38.00	380.00
18	Providing flush pointing with cement mortar 1:3 on brick work for walls, floor, etc. at all elevations including curing, racking out joints, etc. complete.	5.00	M2	176.00	880.00
19	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.	100.00	RM	71.25	7125.00
20	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.	50.00	M2	285.00	14250.00
21	Providing & laying brick pitching at floor/sides of drain etc. in CM 1:6 including preparation of sub base in properline & level, compacting, laying in approved pattern, pointing, watering, curing etc. completed as directed by Engineer.	150.00	M2	301.00	45150.00
22	labour charges for making temporary walking track at required site including necessary levelling work and laying of bricks/Paved Block/precast Tiles and removed it as per instruction of site incharge.	50.00	M2	30.00	1500.00
23	labour charges for making temporary walking track at required site including necessary levelling work and laying of bricks/Paved Block/precast Tiles as per instruction of site incharge.	100.00	M2	18.00	1800.00
24	Same as above item but fly ash bricks issued by GIPCL on chargeable basis of Rs.1.40 per Brick. Transportation of Bricks from DEEP farm House to work place shall be in the scope of contractor.	10.00	M2	187.00	1870.00
25	Providing & laying 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.	10.00	M2	218.50	2185.00
26	Providing & laying Machine cut 25 mm to 40 mm thick polished Kota stone in flooring, dado, skirting, etc. laid on 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.	10.00	M2	760.00	7600.00
27	Same as above item but for risers, treads, platform patti, etc.	10.00	M2	897.75	8977.50
28	Same as above item but for machine cut, double polished for partitions, selves in cupboard, etc.	10.00	M2	940.50	9405.00
29	'Same as above item but for approved quality marble stone .	5.00	M2	1145.00	5725.00
30	Providing and laying 20mm thick semi polished kotah stone slab with machine cut sides in planter box/sitting benches over a bed of 20mm thick in cement mortar 1:4, including pointing the joints with white cement slurry mixed with matching pigments including providing edge bevelling of both edge of stones of required profile as approved by Engineer in charge including buffing, waxing all complete as directed.	15.00	M2	1094.00	16410.00
31	Same as above item but for approved quality marble stone .	5.00	M2	1250.00	6250.00
32	Labour Charges for laying Machine cut 25 mm to 40 mm thick polished Kota stone in flooring, dado, skirting, etc. laid on 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.	5.00	M2	186.00	930.00

33	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.	5.00	M2	788.50	3942.50
34	Providing & laying black/green granite of approved quality including cutting, placing in line and level on 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.)	3.00	M2	2109.00	6327.00
35	Polishing work of existing terrazo/ 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, levelling 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.	50.00	M2	76.00	3800.00
36	Providing and laying machine cut , one side polished, 25mm to 40mm thk.red mandana stone of different sizes as per requirement.	5.00	M2	1250.00	6250.00
37	Polishing edges of Marble stone / Kota stone	10.00	Rmt	38.00	380.00
38	Polishing edges of Granite stone	10.00	Rmt	57.00	570.00
39	Labour charges for laying floor tiles & dado including cement mortar bedding, filling joints with white cement colour filler, curing , etc. complete <b>(Tiles shall be issued free of cost by GIPCL at stores).</b>	30.00	M2	189.00	5670.00
40	As above but qty less than 0.5 M2	25.00	No	131.25	3281.25
41	Providing & filling joints of floor/dado tiles with white cement, colour filler, curing etc.complete	30.00	M2	26.00	780.00
42	Labour charges for laying wall surting up to 150mm width including cement mortar bedding, filling joints with white cement colour filler, curing , etc. complete (Tiles shall be issued free of cost by GIPCL at stores).	10.00	RMT	42.00	420.00
43	Precast terazzo tiles of 20 mm minimum thickness in grey cement with marble chips of size and colour as required laid on 20mm minimum thick bed of CM 1:6 with neat cement slurry and pointed with neat cement mixed with pigment to match the shade of tiles for floors and landings including rubbing & polishing, waxing etc,all complete as directed.	5.00	M2	436.00	2180.00
44	Precast terazzo tiles of 20 mm minimum thickness in white cement with marble chips of size and colour as required laid on 20mm minimum thick bed of CM 1:6 with neat cement slurry and pointed with neat cement mixed with pigment to match the shade of tiles for floors and landings including rubbing & polishing, waxing etc,all complete as directed.	5.00	M2	489.00	2445.00
45	Providing and laying of precast slabs of 50mm thickness of basket wave pattern made up of CC 1:2:4 (1 cement, 2 sand , 4 hard blue granite stone metal 12mm to 19mm gauge ) including providing necessary ribbed grooves as per instructions of engineer incharge. The slabs are to be laid over a bed of well consolidated river sand of minimum thickness 75mm including necessary dressing and ramming the bed upto 15cm. Size 450x450mm	5.00	M2	364.00	1820.00
46	Exposed aggregate plaster using 8mm to 10mm white marblechips of shade approved ,over cement plaster of 4mm thickness including base plaster of 12mm thickness with cement mortar 1:5, The marble chips should be applied on uniform texture to the exterior faces, of wall in strip panels or bends with necessary groove to required	15.00	M2	415.00	6225.00
47	Providing and fixing chicken wire mesh of 24 gauge at the junction of brickwork and RCC work including fixing with nails,rawplug,etc before applying plaster.	10.00	M2	88.00	880.00



48	Cement concrete plinth protection around the building formed of plain C.C. 1:3:6 (using steel shuttering moulding ) precast slab of size of approx. 45x45x5 cm using 12mm to 19mm gauge graded blue granite stone metal laid over well consolidated river sand filling 10cm depth to required level, grade or slope pointing the joints neaty with CM 1:3 including necessary earth work dressing and ramming the bed disposal of earth, and dressing sides. Complete as directed by site incharge Engineer	20.00	M2	390.00	7800.00
49	Labour charges for removing of existing precast slab & Curb stone of any size from plinth protection area incl. filling of necessary sand/Bad materials/Fly ash etc.. and refixing of the same to required level,grade or slope pointing the joint and refixing of the same with CM 1:3 including necessary earth work dressing and ramming the bed disposal of earth and dressing sides. Complete as directed by site incharge Engineer	25.00	M2	250.00	6250.00
50	Labour charges for removing of existing precast slab Tiles, paved floor/ walkway area incl. filling of necessary sand/Bad materials/Fly ash etc..and refixing of the same to required level,grade or slope pointing the joint and refixing of the same with CM 1:3 including necessary earth work dressing and ramming the bed disposal of earth and dressing sides. Complete as directed by site incharge Engineer	25.00	M2	155.00	3875.00
51	To provide & filling of Cement-sand Mortar (1:3) in existing Precast floor joints / crack filling including clean the existing damaged joints and finish the same with cement mortar and match with finish surface etc.. Completed as directed by site incharge Engineer	75.00	Rmt	12.60	945.00
52	To provide & filling of Cement-sand Mortar (1:3) with smooth finishing in existing any pcc floor, Brick wall etc..including cleaning of crack with wire brush and removed loose particals.	50.00	Rmt	7.35	367.50
53	Providing and laying first quality vitrified tiles of 8mm to 10mm thick of Nitco, Kajaria, Jhonson, Somani, Bell, Asian or Euro make in flooring, treads of steps and landing laid on 20mm (average) base of cement mortar 1:4 (1cement : 4 coarse sand) and finished with flush pointing in white or colour cement etc. complete. (A) GROUND FLOOR (Basic Rate : Rs 500 per S.M.)	10.00	M2	832.00	8320.00
54	Providing and laying first quality vitrified tiles of 8mm to 10mm thick of Nitco, Kajaria, Jhonson, Somani, Bell, Asian or Euro make in flooring, treads of steps and landing laid on 20mm (average) base of cement mortar 1:4 (1cement : 4 coarse sand) and finished with flush pointing in white or colour cement etc. complete. (A) GROUND FLOOR (Basic Rate : Rs 500 per S.M.)	10.00	Rmt	110.00	1100.00
55	Providing and laying first quality ceramic floor tiles (12" x 12" size) 6mm. Thick of approved design and shade of Nitco, Kajaria, City, Johnson or equivalent make at all floor levels in flooring, treads of steps and landings laid on bed of 20 mm. thick cement mortar 1:3 (1 cement : 3 fine sand) finished with flush pointing in coloured cement of approved shade, all complete including cost of labour, supervision, all required materials, equipments, tools and tackles etc., all complete as directed by Engineer-in-charge. (Basic rate Rs. 375=00 per S.M.)	10.00	M2	756.00	7560.00
56	Providing and laying first quality glazed wall tiles (18" x 12" size) 6mm Thick of Nitco, Kajaria, City, Johnson or equivalent make at all floor levels in skirting, risers of steps and dado on 10 mm. thick cement plaster 1:3 (1 cement : 3 fine sand) including necessary cement paste for fixing and joints with coloured cement slurry, all complete including cost of labour, supervision, all required materials, equipments, tools and tackles etc., all complete as directed by Engineer-in-charge. (Basic rate Rs. 375=00 per S.M.)	10.00	M2	756.00	7560.00
57	Providing & laying heavy duty 25mm thick bituminous industrial mastic flooring work with mixing a bituminus and fine power, aggregate bonder and make a mortar with heat process and laying on base surface including cleaning the floor surface with wire brush, remove all dust and clean the oily surface including one coat of primer etc.. complete as directed by Engineer-in-charge	10.00	M2	1300.00	13000.00

58	Providing & laying 8 mm thick totally vitrified (special quality) Required size thick tiles of approved Brand heavy quality or its 'equivalent quality of approved plain shade in floor/ dado over 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 Rs.1200/- per SM)	3.00	M2	1770.00	5310.00
<b>( E ) DOORS, WINDOWS, PARTITION, WOOD</b>					
<b>WORK, ROLLING SHUTTER, CEILING, ETC.</b>					
1	Providing & fixing Malaysian sal wood frame from 125mmx65mm size sections for door with 38mm thick commercial flush door shutters including providing 6 Nos. of hold fasts fixed in concrete block (M-15) for make heavy duty hinges, Iron oxidised fixtures like handles, aldrops stoppers, pagstays, etc. including teakwood edge lipping, etc. with two or more coats of synthetic enamel paint of aproved make and shade over a coat of primer, etc. complete as per design.	2.00	M2	4417.50	8835.00
2	Providing & fixing 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 oxidised fixtures like handles, aldrops stoppers, pagstays, etc. including teakwood edge lipping, etc. with two or more coats of synthetic enamel paint of aproved make and shade over a coat of primer, etc. complete as per design.	2.00	M2	3116.00	6232.00
3	Supplying & fixing standared 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 embeded in concrete (1:2:4) blocks, fixing Iron oxidised fixtures, like handels, peg stays, aldrops, etc. with one coat of zinc chromate primer & two coats of oil paint of approved shade and make, etc. complete.	2.00	M2	3942.50	7885.00
4	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. primer and two coats of oil paint.	1.00	M2	4560.00	4560.00
5	Same as above item but for gear operated rolling shutter	0.50	M2	5415.00	2707.50
6	Providing & fixing in position aluminium fixed/ sliding/ openable glazed window as per detail by using extruded sections fabricated by standard manufacturer with frame of size 85x40mm rectangular tube of 18 gauge having 15 micron silver anodizing with 4.0mm plain/ frosted Modi or its equivelant quality glass including all necessary fixtures, rubber beddings, aluminium beddings, etc. complete as directed. (Section Jindal,Narmada or equivalent make)				
	(a)' Fixed type	2.00	M2	3942.50	7885.00
7	(b)' Sliding type	2.00	M2	4227.50	8455.00
8	(c)' Openable type	2.00	M2	4227.50	8455.00
9	Same as above but for providing and fixing 5mm thick plain glass "Modi" or equivalent brand in existing glazed windows or doors or ventilators including removal of damaged existing glass with do care.	3.00	M2	1258.75	3776.25
10	providing & fixing cupboard shutters with frame and both side laminated 12mm thick Novapan paneling .	2.00	M2	1250.00	2500.00
11	Providing and fixing in postion powder coated aluminium louvered glass ventilators of adjustable type 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.	2.00	M2	3847.50	7695.00

12	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 alu. sections with 15 micron silver/colour anodizing with 5 mm plain glass including all necessary fixtures like locks, hinges, contact tower bolt, PVC gasket and weathering, aluminium screws, beadings, etc. complete as directed.(excluding floor spring).	0.50	M2	6078.00	3039.00
13	Providing & fixing in position aluminium partition as per size and shape as per details by using extruded anodised 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 prelaminated boards and 5.5mm thick plain glass in top panel including all standard accessories like screwless beading, PVC gasket, etc. complete as directed.gasket, etc. complete as directed.	1.00	M2	5890.00	5890.00
14	Providing and fixing Sintex door with frame as per manufacturers specifications including necessary hinges, adrops, stoppers, handles. etc. complete.handles. etc. complete.handles. etc. complete.	1.00	M2	2375.00	2375.00
15	Same as above but for windows	1.00	M2	2375.00	2375.00
16	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 stiffner angles including six hold fast of 25x25x3mm - 300 mm long to be fixed in 1:2:4 concrete block including fixing removable iron oxidised fixtures like hinges, handles, adrops, stoppers, etc. with one coat of zinc chromate primer & two coats of synthetic enamel paint of approved shade & make, etc. complete.	1.00	M2	6175.00	6175.00
17	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	0.25	M3	90250.00	22562.50
18	(b) First class Devdar/Chill wood	0.25	M3	69350.00	17337.50
19	Providing & fixing approved quality water proof ply wood for partition, ceiling, walls, cupboard shelves, doors, etc, including necessary hardwares, etc. complete as directed.				
	(a) 6 mm thick	4.50	M2	1187.50	5343.75
20	(b) 12 mm thick	4.50	M2	1976.00	8892.00
21	© 18 mm thick	4.50	M2	2290.00	10305.00
22	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 roughning 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 fastners, new SS hinges, including removing & refixing door closures, name plates, door stoppers, etc... whichever necessary.	5.00	M2	1900.00	9500
23	Providing & fixing water proof block board 19 mm thick of approved quality for partition wall, cupboard, display boards, shelves, etc. including necessary hardwares.	2.50	M2	1995.00	4987.50
24	Supplying & fixing Novopan 12mm thick both side prelaminated partical boards of approved shed & colour, for partition, cupboards, doors, etc.	5.00	M2	688.75	3443.75
25	Providing & fixing laminated sheet of Formica `Decolam` or equivalent make of approved design and shade of 1.5 mm thick on table, partition, shutter, etc. with approved quality adhesive				

	including clamping, finishing, cleaning the surface with all labours, materials, etc. complete. materials, etc. complete. materials, etc. complete.	5.00	M2	582.00	2910.00
26	Supplying & fixing in position false ceiling with alu. 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 hardwares, drilling of holes and supplying and fixing 12mm thick 600x600mm size plain Gypsum boards in alu. frame work, etc. complete.	2.00	M2	950.00	1900.00
27	Providing & Fixing "Armstrong" make false ceiling of approved colour and textures including standard "Armstrong" grids, channels as per detailed specifications and scope of work mentioned in this tender as directed by Engineer-in-charge.	2.00	M2	1083.00	2166.00
28	Providing & fixing "Gyptech" vinyl laminated gypsum panel false ceiling including standard grids, channels as per detailed specifications and as directed by Engineer-in-charge.	2.00	sq.ft	80.75	161.50
29	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 detailed specifications and as directed by Engineer-in-charge.	2.00	M2	2850.00	5700.00
30	Providing and fixing standard 5mm thick aluminum grills (opening 50mm x 60mm) to the windows and ventilators, as per drawing 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.	5.00	M2	2090.00	10450.00
31	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.	5.00	M2	688.75	3443.75
32	Supplying & fixing 12 mm thick of required size plain Gypsum board tiles in ceiling incl. Removing of damaged boards.	2.00	N0	394.25	788.50
33	Providing & fixing locks in quarters as well as infrastructure buildings				
	a) Six lever mortice lock godrej with both side Handle (R or L)	5.00	No	1560.00	7800.00
34	b) Two lever mortice lock godrej or equivalent make	5.00	No	885.00	4425.00
35	c) Godrej or equivalent make cupboard lock	5.00	No	155.00	775.00
36	d) Godrej or equivalent make wardrobe lock	5.00	No	224.00	1120.00
37	e) Godrej or equivalent make Keyless mortice with handle	5.00	No	327.00	1635.00
38	f) Godrej or equivalent make keyless cylindrical door lock	2.00	No	1120.00	2240.00
39	g) Godrej or equivalent make cylindrical door lock	2.00	No	858.00	1716.00
40	h) Aluminium glass door lock	2.00	No	1015.00	2030.00
41	Providing & fixing Multi level approved quality Door Lock (with three keys) (Basic rate -Rs.800/-)	15.00	No	950.00	14250.00
42	Labour charges for removing, repairing and refitting of any type locks supplied by GIPCL.	75.00	No	242.25	18168.75
43	Labour charge for repairing and refitting in door/ window including necessary fittings i.e.nails,screws,etc..				
	a ) D-Type handle/Stopper/Towerbalt up to 150mm	25.00	No	50.00	1250.00
44	b) Towerbalt-250mm / Eye view/ Coopboard magnate	10.00	No	75.00	750.00
45	c) Babylatch / Hook & Eye- 100mm & 150mm	10.00	No	45.00	450.00

46	d) Door catch/Towel ring/towel rod	20.00	No	55.00	1100.00
47	e) Aldrop	15.00	No	125.00	1875.00
48	f) Mirror fixing work including necessary fittings	10.00	No	110.00	1100.00
49	Supplying & Fixing of following hardware fittings in any type wood doors/windows/ventilation etc.. Including necessary fittings ( i.e.screw nail,adhesive etc..)				
	a) Aluminium tower bolt 250mm long power coated Everite or equivalent	5.00	No	94.50	472.50
50	b) Aluminium tower bolt 150mm long power coated Everite or equivalent	5.00	No	73.50	367.50
51	c) Aluminium tower bolt 100mm long power coated Everite or equivalent	5.00	No	52.50	262.50
52	d) Aluminium tower bolt 75mm long power coated	5.00	No	63.00	315.00
53	e) Aluminium bathroom latch power coated Everite or equivalent	5.00	No	56.00	280.00
54	f) Powder coated D type handle 150mm long Everite or equivalent	5.00	No	74.00	370.00
55	g) Powder coated D type handle 100mm long Everite or equivalent	5.00	No	53.00	265.00
56	h) Door stopper of power coated approved quality	5.00	No	42.00	210.00
57	i) Aluminium aldrop 200mm long power coated Everite or equivalent	5.00	No	153.00	765.00
58	j) Crom Plated aldrop 200mm of approved quality	2.00	No	176.00	352.00
59	k) stainless steel Eye and Hook 150mm of approved quality & make	2.00	No	210.00	420.00
60	l) stainless steel Eye and Hook 100mm of approved quality & make	2.00	No	182.00	364.00
61	m) Door catch of approved quality	2.00	No	120.00	240.00
62	n) Stainless steel Premium Hinges 4" length	1.00	No	42.00	42.00
63	o) Stainless steel Premium Hinges 6" length	2.00	No	63.50	127.00
64	p) Piono hinges	2.00	RM	95.00	190.00
65	q) Cupboard magnate	2.00	No	78.00	156.00
66	Reparing of doors i.e. main panel doors, Bedroom flushdoors, bath & w/c doors, windows,ventilators etc.in qtrs by removing from the hinges, reparing the same and refitting as directed and specified by engineer in charge. (nails ,adhesive are in contractor scope)	45.00	No	223.00	10035.00
67	Reparing of doors i.e. main panel doors, Bedroom flushdoors, bath & w/c doors, windows,ventilators etc.in qtrs by removing from the hinges, reparing or replacing the new parts of wooden the same and refitting as directed and specified by engineer in charge. (New wooden parts supply by GIPCL) and (nails ,adhesive are in contractor scope)	25.00	No	374.00	9350.00
68	Reparing of Kitchen platform shutters frame/ cupboard cupboard frame as per requirement at site for level it and fixed with necessary materila. (nails,adhesive are in contractor scope)	50.00	No	157.00	7850.00
69	Providing & fixing heavy duty Iron oxidised fixtures to doors / windows including fixing with nuts, bolts, screws, etc. complete.				
	a) Aldrop - 250mm long	5.00	No	190.00	950.00
70	b) Handle	5.00	No	130.00	650.00
71	c) Stopper 150mm	5.00	No	105.00	525.00
72	d) Window handle	5.00	No	105.00	525.00
73	e) Window latches	5.00	No	105.00	525.00
74	Same as above item but for heavy duty Aluminium fixtures				
	a) Aldrop - 250mm long	5.00	No	190.00	950.00
75	b) Handle	5.00	No	100.00	500.00
76	c) Stopper 100mm	5.00	No	156.00	780.00
77	Providing & fixing in position GODREJ or approved make hydraulic door closure with adjustable spanners and screws including all fixtures, materials, labours, etc. complete.	5.00	NO	2375.00	11875.00
78	Same as above item but for labour charges only (door closure shall be supplied free of cost by GIPCL).be supplied free of cost by GIPCL).	5.00	No	242.25	1211.25
79	Providing & fixing vertical venitian blind "VISTA or approved equivalent make" with approved colour fabrics, mechanised guide rail, Nylon chord, etc. complete with standard fixtures as per				

	manufacturer's instructions.	7.00	M2	1187.50	8312.50
80	Same as above but for PVC strips horizontal venetian blinds of approved quality.	5.00	M2	1285.00	6425.00
81	same as above for Roller Blind of approved quality	2.00	M2	1980.00	3960.00
82	Supplying & fixing floor spring of Everite or equivalent quality including removing of existing floor spring, fixing new unit with all materials & labour etc. complete. materials & labour etc. complete.				
	(I) Small size	1.00	No	3800.00	3800.00
83	(II) Big Size	1.00	No	5320.00	5320.00
84	Labour charges for repairing of alu. Door shutter and servicing floor spring 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.)	2.00	No	855.00	1710.00
85	Supplying and fixing item/parts required for repairing of alluminium doors/windows.				
	a) Piston	2.00	No	522.50	1045.00
86	b) Cam	2.00	No	361.00	722.00
87	c) Bearing	2.00	No	351.50	703.00
88	d) U-rod spring	2.00	No	361.00	722.00
89	e) Roller bearing for sliding window	2.00	No	76.00	152.00
90	f) Pivot	2.00	No	427.50	855.00
91	g) Alu. Handle for windows (self Locking)	2.00	No	57.00	114.00
92	h) Alu. Handle for Door	2.00	No	61.75	123.50
93	I ) S.S. Hinges up to 100 mm I ) S.S. Hinges up to 100 mm	2.00	No	61.75	123.50
94	j) Heavy duty Aluminium foot stopper-with two legs	2.00	No.	95.00	190.00
95	k) Aluminum latch	2.00	No	61.75	123.50
96	l) Heavy duty brass foot stopper	2.00	No	61.75	123.50
97	m) PVC beading	15.00	R.mtr.	61.75	926.25
98	n) Aluminium Panel patti for glass/wooden panelling	10.00	R.mtr.	42.75	427.50
99	o) Lock for aluminium dooro) Lock for aluminium door	5.00	No	570.00	2850.00
100	Labour charges for fixing/Repairing of mosquito net of door/windows shutters including removing of existing damaged net and fitting new mosito net including all necessary associated works. (mosquito net supply free of cost from GIPCL store).	10.00	M2	78.00	780.00
101	same as above item but for content below 0.5 M2 at one location and for all elevations	5.00	No	63.00	315.00
102	Repairing of tables, chairs etc. in Guest House ,Site Office Service Building etc.	10.00	No	53.00	530.00
103	Repairing of Aluminium /woodendoors(reparing minor nature) by removing repairing floor spring, refixing the same as directed by engineer in charge	5.00	No	74.00	370.00

104	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 laminite outside and french polish inside including all necessary fasteners, fixtures, magnets, hinges, handles etc. all complete including providing 5 nos. of drawers with telescopic channels. Rates are including all material, labour, supervision, transportation, loading, unloading, machineries, tools, tackles, all taxes, duties, royalties including Taxes	10.00	FT2	541.50	5415.00
105	Providing and fixing best teakwood panelled door shutters 40mm thick with styles & top rail of 100x40mm lock & bottom rail of 150x40mm and panels with 12mm thick marin ply panel (kit ply) all as per detailed drawings including labour for fixing all necessary hardware fittings but excluding cost of fittings & frame.	5.00	M2	2600.00	13000.00
106	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.	5.00	M2	128.25	641.25
107	Providing and applying Sun control film "Gareware" make approved colour & shade for ordered quantity less than 1.00 sqm by Engineer-in-charge.	5.00	No	437.00	2185.00
108	Same as above but ordered quantity more than or equal to 1.00 sqm.	2.00	M2	437.00	874.00
109	Charges of applicator with tools & tackles and to & fro transportation cost for above item no. 107 & 108.	1.00	No	484.50	484.50
110	Providing & fixing MS GRILLS or MS grattings of required pattern to window jams/brick wall,platform,drain cover, etc.. With flats at required spacing and frame all round of square or round openings with round headed bolts and nuts or by screw or welding including applying two coats of red oxide primer all complete as directed by engineer incharge	15.00	KG	84.00	1260.00
111	Providing & fixing MS GATE to detail,steel work in gate alone weighing above 40kg/sq.m including gudgeon pins guides,necessary holdfast,locking arrangements as directed & painting two coats of synthetic enamel paint over an anticorrosive primer, including providing cement block of size 230 x 230 x 230mm to fix holdfast all as per directed by engineer incharge.	125.00	Kg	95.00	11875.00
112	Providing,Supplying,detailing,fabrication & Fixing structure steel members including cutting, straightening,welding etc.. At all elevation,providing bolts,nuts,washers etc..completed including cleaning of surface with wire brush and providing two coat of red oxide primer.(supply of all materials are in the scope of contractor)	50.00	Kg	84.00	4200.00
113	Supplying and fixing in position teak wood fully glazed ventilator shutters with 60mmx40mm (finished) styles and rails and 4mm clear flot glass panels all complete as directed but excluding cost of hardware fittings necessary fittings. Note: Teakwood shall be a first class and approved by Site I/E	10.00	M2	1040.00	10400.00
114	Providing and fixing T.W mosquito/fly proof window or ventilator shutters with 60x40mm thick teak wood styles and rails around and Netlon 50% shading wire netting including supplying & fixing of approved quality brass oxidised hold fasts and details as per I/E including labour for fixing all necessary fittings but excluding cost of fittings and frame. Note: Teakwood shall be a first class and approved Quality	10.00	M2	2343.00	23430.00
115	Supplying and fixing in position 38mm thick phenol formaldehyde synthetic resin (B.W.P Type specified in I.S 848-1974) bonded, solid block board core specified on IS specification IS 1659-1959 non decorative flush shutters conform 2202 (part 2)-1966 or latest revision with teak wood external lipping with cross bands and teak veneer face panels glued on to the core by hot press process excluding cost of Furniture fittings, but including all labours for fixing complete.	10.00	M2	2968.00	29680.00
116	Supplying and fixing in position teak wood fully glazed window				

	shutters to detail with 60mmx40mm (finished) styles and rails and 4mm thick clear float glass panels all complete as directed but excluding cost of hardware fittings and necessary fittings. Note: Teakwood shall be a first class and approved by E-I-C	7.00	M2	2447.00	17129.00
117	Supplying and fixing pressed steel door frames manufactured from 1.25mm thick carbon steel or imported steel strip with mitred joints welded and grinded in profile as per IS4351-1976 including steel hinges 125mm high conforming to IS 1341-1962 3nos for doors up to 1m wide 6nos for doors above 1m in width MS holdfasts of size 40x6mm and 40 cm long 6nos, locking arrangements and painting a coat of red oxide primer complete as per instruction of site incharge Engineer. (Rate should be inclusive of filling hollow portion of the frame with cement concrete mix 1:2:4 ) The rate should include cost of stainless steel frame (SS-304 grade) of same profile for 150mm height at the bottom touching the floor including acid etching to receive yellow primer.				
	a) Size for door -125 X 60 X 1.25mm FRAME	5.00	SM	1460.00	7300.00
118	As per above item for Window / Ventilator				
	b) Size for Window / Ventilator -105 x 60 x 1.25mm frame	5.00	SM	1680.00	8400.00
119	Providing and fixing wardrobe shutters upto 7' level comprising of 19mm thick kit board shutters with 1.2mm thick laminate finish of approved shade on all outside faces and waxing on all exposed inside surfaces including all necessary T.W frames around,T.W lipping & beadings,Architraves etc.all as per detailed architectural drawing.The rate is inclusive of cost of all hardware fittings like piono hinges,locks,tower bolts,handles etc.and providing two coats of sealer polish(matt) of all exposed faces of shutters,T.W frames,lipping,architraves etc.all complete as directed.(for purpose of payment,area in the front elevation of wooden cupboard only will be measured)	2.00	SQ.M	5310.00	10620.00
120	Providing and fixing wooden wardrobe wall units.comprising 20mm thick kitboard boxing with 6mm thick kitply backing,20mm thick kitboard vertical dividers ,12mm thk.MDF board(medium density fibre board durattuff or equivalent as approved) shlves including providing 20mm thick kitboard shutters with 1.2mm laminate finish of approved shade on all outside faces and waxing on all exposed inside surfaces including all Providing & fixing T.W frames around,T.W beadings,T.W architraves etc.all as per detailed architectural drawing.The rate is inclusive of all hardware fittings like piono hinges,locks,tower bolts,handles,etc.and providing two coats of sealer polish finish (matt) of all exposed faces of shutters,T.W lippings,beadings,architraves etc.all complete as directed.(for purpose of payment,area in the front elevation of the wooden wall wardrobe only will be measured)	1.00	SQ.M	10730.00	10730.00
121	Providng and fixing wooden loft units comprising 20mm thick kitboard boxing with 6mm thick kitply backing, including providing 20mm thick kitboard shutters with 1.2 mm thick laminate of approved shade on all exposed internal surfaces including providing & fixing T.W frames around,T.W beading,T.W architraves etc.all as per detailed architectural drawing.The rate is inclusive of cost of all hardware fittings like piono hinges,locks,tower bolts,handles etc.and providing two coats of sealer polish(matt) of all exposed faces of shutters,T.W frames,lipping,architraves etc.all complete as directed.(for purpose of payment,area in the front elevation of wooden loft only will be measured)	1.00	SQ.M	8854.00	8854.00



122	Providing & fixing Kitchen counter shutter with T.W frames around and 19mm thick kitboard shutters with necessary T.W lipping including finishing with 1.2 mm thick laminate finish of approved shade on all outside faces and waxing on all exposed inside surfaces including all necessary T.W frames around,T.W lipping & beadings,Architraves etc.all as per detailed architectural drawing.The rate is inclusive of cost of all hardware fittings like piono hinges,locks,tower bolts,handles etc.and providing two coats of sealer polish(matt) of all exposed faces of shutters,T.W frames,lipping,architraves etc.all complete as directed.(for purpose of payment,area in the front elevation of wooden work only will be measured)	1.00	SQ.M	4037.00	4037.00
123	Providing & fixing top hung shutters for chute in first floor with 19mm thick kitboard shutters with T.W frames around, shutters finished with 1.2 mm thick laminate finish of approved shade on all outside faces and waxing on all exposed internal faces including providing & fixing T.W frames around,T.W lipping & beadings,Architraves etc.all as per detailed architectural drawing.The rate is inclusive of cost of all hardware fittings like piono hinges,locks,tower bolts,handles etc.and providing two coats of sealer polish(matt) of all exposed faces of shutters,T.W frames,lipping,architraves etc.all complete as directed.(for purpose of payment,area in the front elevation of wooden chute only will be measured)	1.00	SQ.M	4037.00	4037.00
124	Providing & fixing Kitchen OVERHEAD OPEN SHELF OF SIZE 230mm width x450 mm depth out of 19mm thick kitboard including finishing with 1.2 mm thick laminate finish of approved shade on all outside faces and waxing on all exposed inside surfaces including all necessary T,W lipping etc. all as per detailed architectural drawing.The rate is inclusive of cost of all necessary hardware fittings and providing two cats of sealer polish(matt) on all exposed T.W. faces etc.all complete as directed.	1.00	SQ.M	4063.00	4063.00
125	Covering the gape between roof and wardrob/loft as per site condition with the outer face of wardrobe/loft with gypboard & G.I channels all as per manufacturer's specification including two or more coats of gypsum top coat all complete as directed.	2.00	SQ.M	937.00	1874.00
126	Providing & fixing chairs consisting of 50x25 mm teakwood 04 nos legs tied,top backsupport 4"x1" & 03 nos back support of 2"x1" with 02 nos vertical support,Gadi 2" thickness & 32 density feather foam including shaped to require profile,finishing with sealer polish and a spray coat of melamine all complete as per drawing & instruction of engineer in-charge.	3.00	M2	3280.00	9840.00
127	Labor charges for fixing of waterproof plywood of 12mm thick on wooden bed including necessary fittings i.e. nail,screw,adhasive etc..and to repair as per instruction of Engineer in charge.	3.00	No	416.00	1248.00
128	Labor charges for repairing of wooden table,chair, stool,etc..including necessary fittings i.e. nail,screw,adhasive etc..as per instruction of Engineer in charge.	5.00	No	52.50	262.50
129	Supply of "Amit" or equivalent make chip board screws for following sizes.				0.00
	(a) 16 x 6 mm	2.00	Box	364.00	728.00
130	(b) 32 x 6 mm	2.00	Box	468.00	936.00
131	(c) 32 x 8 mm	2.00	Box	520.00	1040.00
132	(d) 45 x 8 mm	2.00	Box	520.00	1040.00
133	Fixing of teared surface of laminate/PVC binding etc., with approved adhesive. Carpenter supply will be paid in separate item on prorata basis.	50.00	INCH2	4.20	210.00

134	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.	50.00	Inch	10.45	522.50
135	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.	2.00	No	1926.00	3852.00
136	Providing, supplying & fixing approved make 150mm size door floor stoppers, including removing existing stopper. Basic Rate Rs. 150/- per No.	5.00	No	210.00	1050.00
137	Providing, supplying & fixing approved make full SS body decorative door handle of 12" size. Basic Rate Rs. 590/- per No.	5.00	No	735.00	3675.00
138	Supply & fixing of ALBOSS Make lock for aluminum sliding window.the rate shall including removing of existing lock.	5.00	No.	78.25	391.25
139	Supply & fixing of roller MSK JAPAN Make (04/06 nos in each window replace ) for aluminium sliding window.the rate shall including removing of existing alumium window & refixing it & providing of silicon sealant.for payment number of window consider.	5.00	No.	520.00	2600.00
140	Supply & replacing of 5 MM Thick glass for aluminium sliding window.the rate shall including removing of existing aluminium window & refixing it & providing of silicon sealant around frame..	2.00	SM	1040.00	2080.00
141	Repairing of hinges of door shutter .The work shall include removing of door shutter & fixing of new hinge either change location in granite frame & fixing of door shutter.the rate shall including of drilling in granite by hammer/dimanod drill,screws etc.completed.	5.00	No	520.00	2600.00
142	Supply & replacing of saintgobain make netlon for alumium window shutter in existing window.The rate shall include removing of alumium shutter from existing frame & refix it with replacing of new net.The rate shall also including providing sealicone sealnt around frame.	2.00	SM	832.00	1664.00
143	Supply & fixing of YORK Make KHATKHA lock for FLUSH DOOR.the rate shall including removing of existing lock .	2.00	No.	832.00	1664.00
144	Provising & fixing of 1.5mm thick laminate of approved make & shape to existing flush door shutter.The rate shall includes removing of flush door form frame & removing of laminate from flush door shutter & fixing of shutter to frame.The basic rate of laminate is Rs.400per sq.meter. .	2.00	SM	1040.00	2080.00
<b>(F) PAINTING:</b>					
1	Providing and painting interior surfaces with two coats of Oil Bound Distemper paint of approved manufacture, color and shade including cleaning of existing painted surface, removing dirt, dust, loose paint, filling cracks with approved crack filler, filling undulations with POP 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 .For payment actual treated area shall be measured.No coefficient applicable.	75.00	SM	47.50	3562.50
2	Same as above but including a coat of primer	10.00	SM	55.00	550.00

3	Providing and applying two coats of white washing paint on existing surface of approved manufacture with mixing of "Fevicol" or equivalent approved adhesive @ 200gm per 10kg lime & Blue, 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.	100.00	SM	17.10	1710.00
4	Providing and painting two coats of synthetic enamel paint(approved make and shade) on wood/iron surface 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.	10.00	SM	80.00	800.00
5	Same as above item no.4 but for one coat of red oxide primer.	23.00	SM	10.00	230.00
6	Same as 3 but for labour charges including tools, tackles, scaffolding, etc. ( Paint & thinner shall be issued free of cost by GIPCL).	15.00	SM	39.90	598.50
7	Providing and painting two coats of synthetic enamel paint (approved make and shade) on MS railing fabricated from 32NB MS/GI pipe of 1 mtr high vertical at every approx. 1 mtr. and 4 nos 15NB horizontal pipe 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.For payment area shall be measured in Rmt .No coefficient applicable.	15.00	RM	52.50	787.50
8	Providing and applying melamine polish (ASIAN MAKE) in two coats over a sealer coat.surface to be applied polish shall be sand papered thoroughly to remove dirt greese oil spots,and minor variations in the surface.use 50 %matt finish and 50% glossy melamine polish. only surface area will be measured and paid for no measurement in rft/rmt shall be paid.	25.00	SM	591.85	14796.25
9	Providing and applying to exterior surfaces two coats of exterior emulsion paint of "Berger - Walmasta" or "Asian" make ACE exterior emulsion paint of approved color and shed 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.For payment actual treated area shall be measured.No coefficient applicable.	100.00	SM	70.00	7000.00
10	Providing and painting interior surface with two coats of 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 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).For payment actual treated area shall be measured.No coefficient applicable.	25.00	SM	71.25	1781.25
11	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, loose paint, filling cracks with approved crack filler, filling undulation with POP 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).For payment actual treated area shall be measured.No coefficient applicable.	25.00	SM	93.10	2327.50

12	Providing and painting surface with two coats of oil paint (approved make) for road side concrete curb blocks in two alternate black and white colour including surface cleaning with wire brush.size of kerb stone is 400x200x100mm.	15.00	RM	47.50	712.50
13	Providing and cleaning of existing painted surface including removing of dirt, dust loose paint, filling cracks with crack filler, filling undulation with Birla White Putty for making uniform surface and prepare the base surface for painting work (at required place only), tools, tackles, safety tools and tackles, scaffolding etc. complete at all elevation as directed by Engineer in charge. for payment actual treated area shall be measured.No coefficient applicable.	20.00	SM	105.00	2100.00
14	Providing and painting of false ceiling surface with two coats of acrylic emulsion paint including one coat of primer of approved manufacture, colour and shade including cleaning of existing painted surface, removing dirt, dust loose paint, filling undulation with POP 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 of false ceiling and reshifting to the same location after completing the work).for payment actual treated area shall be measured.No coefficient applicable.	25.00	SM	114.45	2861.25

15	Providing and painting interior surfaces with One coat of Oil Bound Distemper paint of approved manufacture, color and shade including cleaning of existing painted surface, removing dirt, dust, loose paint (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. For payment actual treated area shall be measured. No coefficient applicable.	25.00	SM	31.50	787.50
16	Providing and applying two coat of "Geru/chuna" on tree of any dia size including surface preparation ,etc..as directed by Engineer in charge.	25.00	NO	19.00	475.00
17	Painting sign boards with synthetic enamel paint of approved quality including painting the surface of board & painting matter in different sizes letters, making border, scaffolding, etc. complete as per instruction of Engr.	3.00	M2	760.00	2280.00
18	Providing and painting MS Door/Rolling shutter, Wooden door with two coats of synthetic enamel paint including cleaning of existing painted surface removing all rust, dust, dirt, loose paint, filling undulation for making uniform surface (at required place only) scaffolding etc. complete all as per instructions of Engineer-in-charge with all paint materials, labour, tools and tackles, safety tools and tackles etc... all complete (Rates are including painting of M.S 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.	3.00	M2	52.50	157.50
19	Providing and applying PU Coating on wood including Surface Preparation on work work or any surface. Actual treated area will be measured	3.00	M2	677.00	2031.00
20	Providing and painting MS structure with Duco spray painting inclusive of following operations with all necessary materials, labour, equipments, consumables, tools & tackles etc., complete up to the entire satisfaction of Engineer in charge. (i) Grinding and cleaning with mechanical tools. (ii) Surface coating with approved primer as per manufacturer's recommendations. (iii) Putty filling as per manufacturer's recommendations. (iv) Water paper cleaning. (v) Surface coating again with approved primer as per manufacturer's recommendations. (vi) Three coats of approved color (minimum two shades) Dulux ICI or equivalent approved make duco spray paint with air compressor.	5.00	M2	1488.00	7440.00
21	Providing and applying two coat of teracota of "Berger" or "Asian" make, including surface preparation, scaffolding, as directed by Engineer in charge.	10.00	M2	68.25	682.50
22	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 shed 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.	10.00	M2	76.95	769.50

23	cleaning of existing painted surface, removing dirt, dust, loose paint with using of Grinder and make a proper surface for painting work. (all tools and tackles and necessary scaffolding work at any level are in contractor scope) as directed by Engineer in charge. (Rates are including shifting of racks/cupboard tables etc. for work and resiting to the same location after completing the work).	10.00	M2	6.30	63.00
24	Providing and applying one coat of minimum 40 micron DFT High Build ZP Primer and two coats of High Gloss Synthetic Enamel paint, each coat of minimum 25 micron DFT of approved colour shade on structural steel/pipes including preparation of surface by thoroughly cleaning of oil, dirt, dust, rust & scale by wire brushing, power tool cleaning, mechanical scrapers, etc... & final surface cleaning with cotton waste before application of primer (in case of application of primer is delayed due to any reason, the surface preparation shall be redone at no extra cost to GIPCL), including providing approved MS pipe scaffolding with clamps, safety nets, cherry pickers, covering the surrounding areas with plastic sheet/tarpaulin wherever required, etc... as directed by Engineer-in-charge and as per manufacturer's detail technical specifications with all materials, labour, tools & tackles, standard safety tools & tackles, standard safety PPEs, etc.... complete at all elevations for misc. structures.	10.00	M2	106.00	1060.00
<b>(G) WATER SUPPLY AND SANITARY WORKS</b>					
1	Supply charges of plumber with tools & tackles on prorata basis for fixing of following items no. 1 to 32 on prorata basis.	2.00	No.	332.50	665.00
2	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/-)	2.00	No.	2755.00	5510.00
3	b) EUROPEAN' type WC pan-580 mm size with plastic seat cover (Basic Rate Rs. 4,550/-)	2.00	No.	5510.00	11020.00
4	c) ANGLO INDIAN' type WC pan 580 mm size (Basic rate Rs. 1,900/-)	2.00	No.	2755.00	5510.00
5	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/-	2.00	No.	1900.00	3800.00
6	Same as above but for Oval shape wash hand basin of size 600 mm for basic rate Rs. 1,700/-	2.00	No.	2660.00	5320.00
7	Supplying and fixing 1 no 15mm cp 'x' nipple and 1 no 1" length cp extension nipple for heater provision	2.00	No.	348.00	696.00
8	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/-	2.00	No.	1710.00	3420.00
9	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/-	1.00	No.	3040.00	
10	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.	1.00	No.	1045.00	1045.00
11	Providing & fixing mirror of Gold fish, Atul Modi or				

	equivalent quality mirror glass of any size of 5 mm thick necessary rawal plugs, screws, etc. complete with all labour and materials.	3.00	SM	3515.00	10545.00
12	Providing & fixing approved quality C.P. brass towel road of 20 mm dia x 600 mm long including C.P. brass brackets, fixed with wooden cleats and CP brass screws, etc. complete.	5.00	No	570.00	2850.00
13	Providing & fixing superior quality stainless steel soap dispenser with CP brass screws, etc. complete. Basic rate Rs. 700/-	5.00	No	912.00	4560.00
14	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/-	2.00	No.	4845.00	9690.00
15	Providing & Fixing approved quality C.P.brass towel ring fixed with brass screws,etc. complete.	5.00	No	390.00	1950.00
16	Providing & Fixing CP Double coat hook with necessary screws etc. complete.	5.00	No	572.00	2860.00
17	Providing & Fixing approved quality CP Toilet Paper Holder	5.00	No	782.00	3910.00
18	Providing & Fixing approved quality PVC Bib tap of approved quality	5.00	No	50.00	250.00
19	Providing & fixing CP brass L&K, crown, prince or Equivalent fixtures of 1/2" dia,(15 mm) including fixing of new fittings with taflon or holdtight, removing of existing fixtures, etc. complete for the following:				
	a) Bib Tap (Basic rate Rs. 550/-)	2.00	No.	679.25	1358.50
20	b) Gravity control bib tap (Basic rate Rs. 650/-)	3.00	No.	774.25	2322.75
21	c) Pillar tap (Basic rate Rs. 550/-)	3.00	No.	679.25	2037.75
22	d) Stop cock (Basic rate Rs. 400/-)	3.00	No.	522.50	1567.50
23	e) Angle cock (Basic rate Rs. 400/-)	3.00	No.	522.50	1567.50
24	f) CP Long body bib tap (Basic rate Rs. 800/-)	2.00	No	915.00	1830.00
25	g) CP short body bib tap (Basic rate Rs. 550/-)	2.00	No	935.00	1870.00
26	h) CP sink cock (Basic rate Rs. 950/-)	2.00	No	1025.00	2050.00
27	i) Reinforced PVC inlet pipe up to 600mm long (Basic rate Rs. 85/-)	3.00	No.	142.50	427.50
28	j) Swan neck pillar cock (Basic rate Rs. 1550/-)	2.00	No	1625.00	3250.00
29	k) C P heavy duty bottle trap (Basic rate Rs. 1,000/-)	3.00	No.	1140.00	3420.00
30	l) Cera or equivalen approved make Urinal brass Spreader (Basic rate Rs. 610/-)	2.00	No	688.75	1377.50
31	m)C P wall Mixer with provision for over head shower with 115 mm long bend pipe & wall flange (Basic rate Rs. 1550/-)	2.00	No	1890.00	3780.00
32	n)C P adjustable Shower (Basic rate Rs. 900/-)	2.00	No.	1026.00	2052.00
33	o) Health fauset with connected pipe (Basic rate Rs. 900/-)	2.00	No.	1000.00	2000.00
34	p) Washer Set for seat cover	2.00	No	365.00	730.00
35	q) Pressmetric Pillar cock (Basic rate Rs. 1300/-)	2.00	No	1400.00	2800.00
36	r) Pressmetric Bib cock (Basic rate Rs. 1380/-)	2.00	No	1480.00	2960.00
37	Same as above item but for Jaquar- ( Continental quality ) make fixtures for the folling:				
	a) Bib Cock with Wall Flange (Basic rate Rs. 625/-)	2.00	No	720.00	1440.00
38	b) Long Body Bib Cock with Wall Flange (Basic rate Rs. 840/-)	2.00	No	940.00	1880.00
39	c) Pillar Tap (Basic rate Rs. 620/-)	2.00	No	720.00	1440.00
40	d) Angular Stop Cock with Wall Flange (Basic rate Rs. 540/-)	2.00	No	640.00	1280.00
41	e) Pillar Cock Long Neck with Aerato (Basic rate Rs. 840/-)	2.00	No	960.00	1920.00
42	f) Hot & Cold wall mixer with CP offset for overhead shower (Basic rate Rs. 2840/-)	2.00	No	2965.00	5930.00
43	g) C P Shower with wall flange (Basic rate Rs. 440/-)	2.00	No	515.00	1030.00
44	h) C P Hand Shower (Basic rate Rs. 575/-)	2.00	No	651.00	1302.00
45	i) Sink Cock with Swinging Spout (Basic rate Rs.1060/-)	2.00	No	1160.00	2320.00
46	j) Concealed Stop Cock with Fitting Sleeve, Operating Leve & Adjustable Wall Flange (Basic rate Rs. 475/-)				

47	Providing & fixing 25 mm dia CP brass 'Crown' L & K or its equivalent quality heavy duty push type flush cock including breaking of wall/ tiles, if required, making good the same, removing of existing fixtures, etc. complete for the following:				
	a) Open type	2.00	No.	1145.00	2290.00
48	b) Concealed type	2.00	No.	990.00	1980.00
49	Providing & fixing of lever type telescopic aultra modern flushing valve of "Orient" or its equivalent quality including labour, material, removing of old fixtures etc. complete.	2.00	No	3800.00	7600.00
50	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/-).	2.00	NO	1045.00	2090.00
51	L/c for remove of existing Toilet seat cover and fixing of the same including p/f of necessary nut bolt with wishers	15.00	No	78.00	1170.00
52	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	2.00	No.	380.00	760.00
53	b) Siphon unit (Basic cost Rs. 450/-)	2.00	No.	570.00	1140.00
54	c) CP brass handle (Basic cost Rs. 200/-)	2.00	No.	237.50	475.00
55	Labour charges for servicing/ repairing of flushing tanks including removing of existing fittings, repairing & refixing the same, changing of washers, etc. complete.	2.00	No	152.00	304.00
56	Providing & fixing PVC flushing tank of champion or its equivalent quality with necessary fittings, etc. complete (basic price Rs. 900/-).	2.00	No.	1040.00	2080.00
57	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/-).	2.00	No.	520.00	1040.00
58	As as above but only labour charges	2.00	No	310.00	620.00
59	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/-.				
		10.00	No.	350.00	3500.00
60	Providing & fixing 150 mm square heavy duty PVC jali of approved quality on floor trap including removing of existing jali, chipping and making good the same, etc. complete.	10.00	No	94.50	945.00
61	As as above item(PVC/Stainless steel Jali) but only labour charges	25.00	No	53.00	1325.00
62	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)	5.00	RM	237.50	1187.50
63	b) 150 mm dia (Basic price Rs. 160/- per M)	5.00	RM	294.50	1472.50
64	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/-)				
		2.00	No.	332.50	665.00
65	Providing & fixing PVC spiral pipe with PVC socket for urinal / wash basin outlet. (Basic price Rs. 250/-)	2.00	No.	332.50	665.00
66	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/-).	3.00	No.	1045.00	3135.00
67	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)	3.00	RM	142.50	427.50
68	b) Fittings such as elbow, tee, coupling, reducer, etc. (Basic price Rs. 70/)	10.00	No.	95.00	950.00
69	c) Nahni trap (Basic price Rs. 200/-)	3.00	No.	332.50	997.50



70	Providing & fixing approved quality heavy duty 50 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. 100/- per M)	10.00	RM	160.00	1600.00
71	b) Fittings such as elbow, tee, coupling, reducer, etc. (Basic price Rs.85/-)	5.00	No.	100.00	500.00
72	c) Nahni trap (Basic price Rs. 225/-)	2.00		355.00	710.00
73	Providing & fixing approved quality heavy duty 75 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. 120/- per M)	10.00	RM	185.00	1850.00
74	b) Fittings such as elbow, tee, coupling, reducer, etc. (Basic price Rs. 95/-)	5.00	No.	110.00	550.00
75	c) Nahni trap (Basic price Rs. 250/-)	5.00		380.00	1900.00
76	Providing & fixing approved quality heavy duty 110 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. 225/- per M)	10.00	RM	290.00	2900.00
77	b) Fittings such as elbow, tee, coupling, reducer, etc. (Basic price Rs. 115/-)	5.00	No.	130.00	650.00
84	Providing & fixing approved quality under ground drainage pipe Make-Prince-SN4 (FOAMFIT) , 110 mm dia. Pipes & fittings of Prince / Supreme or its equivalent quality including fixing with clamps, jointing, testing, etc. complete. Pipes (Basic price Rs. 158/- per M)	10.00	RM	190.00	1900.00
85	Providing & fixing approved quality under ground drainage pipe Make-Prince-SN2 (FOAMFIT) , 160 mm dia. Pipes & fittings of Prince / Supreme or its equivalent quality including fixing with clamps, jointing, testing, etc. complete. Pipes (Basic price Rs. 286/- per M)	10.00	RM	343.00	3430.00
86	Providing & fixing approved quality under ground drainage pipe Make-Prince-SN2 (FOAMFIT) , 200 mm dia. Pipes & fittings of Prince / Supreme or its equivalent quality including fixing with clamps, jointing, testing, etc. complete. Pipes (Basic price Rs. 420/- per M)	10.00	RM	500.00	5000.00
87	Providing & fixing approved quality under ground drainage pipe Make-Prince-SN4 (FOAMFIT) , 315 mm dia. Pipes & fittings of Prince / Supreme or its equivalent quality including fixing with clamps, jointing, testing, etc. complete. Pipes (Basic price Rs. 1600/- per M)	10.00	RM	1920.00	19200.00
88	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)	3.00	RM	200.00	600.00
89	2) Up to 25 mm dia (Basic price Rs. 180/- per M)	3.00	RM	303.50	910.50
90	3) Up to 40 mm dia (Basic price Rs. 275/- per M)	3.00	RM	398.50	1195.50
91	4) Up to 50 mm dia (Basic price Rs. 360/- per M)	3.00	RM	493.00	1479.00
92	5) Up to 75 mm dia (Basic price Rs. 540/- per M)	3.00	RM	680.00	2040.00
93	Same as above item but for opened piping: 1) Up to 15 mm dia (Basic price Rs. 100/- per M)	3.00	RM	175.00	525.00
94	2) Up to 25 mm dia (Basic price Rs. 180/- per M)	3.00	RM	327.75	983.25
95	3) Up to 40 mm dia (Basic price Rs. 375/- per M)	3.00	RM	424.65	1273.95
96	4) Up to 50 mm dia (Basic price Rs. 360/- per M)	3.00	RM	513.95	1541.85

97	Same as above but for labour charges for laying pipe lines as under: only Excavation & Backfilling considered 1) Up to 15 mm dia	20.00	RM	100.00	2000.00
98	2) Up to 25 mm dia	460.00	RM	123.50	56810.00
99	3) Up to 40 mm dia	3.00	RM	123.50	370.50
100	4) Up to 50 mm dia	3.00	RM	133.00	399.00
101	5) 75 mm dia	10.00	RM	140.00	1400.00
102	6) 100mm dia	10.00	RM	150.00	1500.00
103	7) 150mm dia	10.00	RM	160.00	1600.00
104	Providing & Fixing CPVC pipes SDR-13.5 conforming 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)	3.00	RM	145.35	436.05
105	2) Up to 25 mm dia (Basic rate Rs. 150/- per M)	3.00	RM	271.70	815.10
106	3) Up to 40 mm dia (Basic rate Rs. 325/- per M)	3.00	RM	575.70	1727.10
107	4) Up to 50 mm dia (Basic price Rs. 550/- per M)	3.00	RM	798.00	2394.00
108	Same as above item but for opened piping: 1) Up to 15 mm dia (Basic rate Rs. 70/- per M)	3.00	RM	116.85	350.55
109	2) Up to 25 mm dia (Basic rate Rs. 150/- per M)	3.00	RM	252.70	758.10
110	3) Up to 40 mm dia (Basic rate Rs. 325/- per M)	3.00	RM	347.70	1043.10
111	4) Up to 50 mm dia (Basic price Rs. 550/- per M)	3.00	RM	617.50	1852.50
112	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)	3.00		100.00	300.00
113	2) Up to 25 mm dia (Basic price Rs.85/- per M)	25.00	RM	171.00	4275.00
114	3) Up to 40 mm dia (Basic price Rs. 140/- per M)	3.00	RM	209.00	627.00
115	4) Up to 50 mm dia (Basic price Rs. 185/- per M)	3.00	RM	256.50	769.50
116	5) Up to 75 mm dia (Basic price Rs. 390/- per M)	3.00	RM	584.25	1752.75
117	Same as above item but for opened piping: 1) Up to 15 mm dia (Basic price Rs. 45/- per M)	3.00	RM	75.00	225.00
118	2) Up to 25 mm dia (Basic price Rs.85/- per M)	3.00	RM	145.00	435.00
119	3) Up to 40 mm dia (Basic price Rs. 140/- per M)	3.00	RM	175.00	525.00
120	4) Up to 50 mm dia (Basic price Rs. 185/- per M)	3.00	RM	230.00	690.00
121	5) Up to 75 mm dia (Basic price Rs. 390/- per M)	10.00	RM	536.75	5367.50
122	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	3.00	No.	142.50	427.50
123	2) Up to 25 mm dia	3.00	No.	237.50	712.50
124	3) Up to 50 mm dia	3.00	No.	342.00	1026.00
125	4) Up to 75 mm dia	3.00	No.	427.50	1282.50
126	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.	3.00	No.	95.00	285.00

127	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)	3.00	No.	522.50	1567.50
128	b) 600 mm x 450 mm size (Basic cost Rs. 42/- per Kg)	3.00	No.	665.00	1995.00
129	c) 600 mm x 600 mm size (Basic cost Rs. 42/- per Kg)	3.00	No.	807.50	2422.50
130	Providing & fixing approved quality CPVC /UPVC Fitting (Elbo, Tee, Reducer ,coupline, Nipple etc..in existing line including cutting the line, making to the size and fixing with solution, etc. complete with all respect as directed by Engineer. 1) Up to 15 mm dia	3.00	No.	55.00	165.00
131	2) Up to 25 mm dia	3.00	No.	60.00	180.00
132	3) Up to 50 mm dia	3.00	No.	80.00	240.00
133	4) Up to 75 mm dia	3.00	No.	100.00	300.00
134	labour charges for welding in any size of dia G.I.Pipe joint of in open or underground pipeline as per direction of Engineer in charge including using of standard welding road. Electricity supply for welding,cutting will be provided by GIPCL	2.00	Joint	520.00	1040.00
135	Labour charges for fixing of CPVC/UPVC pipes pipe for water in trenches, floors, walls including embending, jointing with solvent cement including bends, tees, reducers, sockets, unions & other specials, fixing wall hooks in wooden plugs or embending in walls, floors & as directed, cutting pipes to required length, making connections, cutting chases or hole in walls/floors, etc. and making good the same including testing etc.complete. (The rate quoted is considering free issue of required quantity free issue of pipe, fitting etc. however necessary transporatation, loading, unloading, required quantity solvent cement etc. are in contractor scope.) (excavation & filling shall be paid extra) 1) UPTO 40mm dia	10.00	RM	42.00	420.00
136	2) ABOVE 40 MM TO 150mm dia	10.00	RM	58.50	585.00
137	Providing & fixing approved quality full way gun metal wheel valve of LEADER make as per specifications, including all labours and materials, etc. a) 15 mm dia	1.00	No.	474.00	474.00
138	b) 25 mm dia	1.00	No.	677.00	677.00
139	c) 40 mm dia	1.00	No.	1040.00	1040.00
140	d) 50 mm dia	1.00	No.	1505.00	1505.00
141	e) 75 mm dia	1.00	No.	3614.00	3614.00
142	Providing & fixing approved quality gun metal ball valve of approved make including all labours and materials,etc. a) 15 mm dia	2.00	No.	340.00	680.00
143	b) 25 mm dia	2.00	No.	528.00	1056.00
144	c) 40 mm dia	2.00	No.	752.00	1504.00
145	d) 50 mm dia	2.00	No.	904.00	1808.00
146	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.	2.00	No.	105.00	210.00

147	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 fram with cement concrete, making good the same, etc. for following:				
	a) 300 mm x 300 mm size	2.00	No.	520.00	1040.00
148	b) 600 mm x 450 mm size	2.00	No.	780.00	1560.00
149	c) 600 mm x 600 mm size	2.00	No.	990.00	1980.00
150	Removing & clearing the chocked C I drainage pipes incouding 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.	10.00	RM	95.00	950.00
151	Cleaning of all types & sizes of manholes by removing & disposing the mud silt, sewage, algee vegetation, etc. complete:	25.00	No.	95.00	2375.00
152	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.	1.00	No.	4845.00	4845.00
153	b) For tank upto 4.0m x 3.0m. X 2.5m. Depth	1.00	No.	14535.00	14535.00
154	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- trial 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	1.00	No.	1482.00	1482.00
155	b) For size 600 x 600 & depth upto 750 mm	1.00	No.	2945.00	2945.00
156	c) For 750 x 750 mm & depth 1000 mm	1.00	No.	5890.00	5890.00
157	d) For 900x600mm & depth 1000mm	1.00	No.	7544.00	7544.00
158	e) For 1200x900mm & depth 1000mm	1.00	No.	12768.00	12768.00
159	Supplying and fixing in position ISI mark GI fittings of different varieties like tee, bend, union, elbow, reducer, nipple,coupline, etc.				
	a) 15 mm dia	5.00	No.	47.50	237.50
160	b) 25mm dia	5.00	No.	95.00	475.00
161	c) up to 50 mm dia	5.00	No.	199.50	997.50
162	d) 'up to 75 mm dia	5.00	No.	247.00	1235.00
163	e) up to 150mm dia	3.00	No.	1562.00	4686.00

164	Providing & Fixing Brass Float Valve with PVC Ball-32mm dia	3.00	No.	1740.00	5220.00
165	Removing and cleaning of all debris and opening gully chamber and attending chowking problem	2.00	No.	95.00	190.00
166	Making Connection to the Existing inspection Chamber By making hole in Brickwall	2.00	No.	520.00	1040.00
167	Making Connection to the Existing Water Line	2.00	No.	520.00	1040.00
168	Attending of continuous water flow of flush valves of toilet block in quarters	10.00	No.	95.00	950.00
169	Attending overflow problem by replacing ball/rod for ball codes provided in over head tanks.	10.00	No.	95.00	950.00
170	Removing water from overhead tank, cleaning and drying the pipe, applying M-Seal and making leak proof and refixing ball cock.	10.00	No.	242.25	2422.50
171	Excavation and attending leakage for G.I line damaged by earth mover while cleaning and providing T in line and providing wheel valve and making new connection.	5.00	No.	475.00	2375.00
172	Attending leakage/chowkup and refixing of wash hand basin/sink.	50.00	No.	142.50	7125.00
173	Providing new garden connection at colony from underground raw water pipelines.	2.00	No.	475.00	950.00
174	Labour charges for fixing of water cooler and its attachments in Colony Area	2.00	No.	389.50	779.00
175	Removal of chockup from toilet block of qtrs/office building	10.00	No.	242.25	2422.50
176	Attending/repairing of flush/flush cistern/flush tank in toilet blocks of various blds in Colony area	25.00	No.	242.25	6056.25
177	Attending water complaint and removing and cleaning of ball cock and refixing the same and solving water problem in colony area	25.00	No.	145.35	3633.75
178	Removal of connection from the overhead sintex tank/ R.C.C.tank from pantry of site office building or from other Buildings of Plant/Colony area	50.00	No.	145.35	7267.50
179	Labour charges for fixing of new pillar cock/Bib Cock/Stop cock etc.. including removing old pillar cock and returning the same in GIPCL Store.	25.00	No.	145.35	3633.75
180	Labour charges for repairing of pillar cock/Bib Cock/Stop Cock/shower including repairing washer etc.	150.00	No.	145.35	21802.50
181	Repairing of G.I Pipe line upto 1" dia.	15.00	No.	145.35	2180.25
182	Labour charges for fixing of new G.I. Pipe Line in colony upto 1" dia.	10.00	RM	145.35	1453.50
183	Labour charges for fixing of new wash basin with necessary connection fittings in colony	5.00	No.	155.00	775.00
184	Making opening in wall and grouting pipe upto 150mm dia. filling gape with the help of cement mortar in 1:4 on tiles area/ toilet fittings etc...	2.00	No.	155.00	310.00
185		20.00	R.mtr.	21.00	420.00
186	Making opening in brick wall	5.00	No.	95.00	475.00
187	Labour charges for fixing of new WC with necessary connection & fittings in colony	2.00	No.	242.25	484.50
188					0.00
189	Labour charges for fixing of new Urinal with necessary connection & fittings in Colony area	2.00	No.	242.25	484.50
190					0.00
191	Providing and fixing white viterous china wall hung water closet European type of Jaquar make with ISI solid plastic seat and lid.	2.00	No.	3990.00	7980.00
192	Providing and fixing white viterous china flat back or half stall urinal of 580 X 380 X 350 mm of "Jaquar" make.				
193	(a) Single half stall	2.00	No.	6775.00	13550.00
194	(a) Two half stall	2.00	No.	7528.00	15056.00
195	Providing and fixing white viterous china wash basin "Jaquar" make of size 630 X 450 mm of approved shape.	2.00	No	3800.00	7600.00
196	Supplying & fixing 1 nos 15mm CP 'x' nipple and 1 nos 1"length extension nipple for heater provision.	2.00	No	145.00	290.00
197	Supply and fixing exposed soap dish fixing with necessary screw etc. complete (jaquar-continental-cp)	2.00	No	730.00	1460.00

198	Supply and fixing of approved make 5mm thick mirror 600x 450 mm size with pvc frame 6mm thick asbestos sheet backing including polishing etc.complete	2.00	No	885.00	1770.00
199	Supply of HDPE Pipe PE-100, IS 4984 and approved quality by Engineer in charge				
	(1) 20 NB	6.00	RM	176.00	1056.00
200	(2) 32 NB	6.00	RM	200.00	1200.00
201	(3) 50 NB	6.00	RM	220.00	1320.00
202	(4) 65 NB	6.00	RM	275.00	1650.00
203	(5) 75 NB	6.00	RM	304.00	1824.00
204	(6) 90 NB	6.00	RM	320.00	1920.00
205	Labour Charges for laying,testing & commissing of HDPE line including Necessary fittings & Jointing as directed by Engineer incharge (Excluding Excavation & Backfilling work)				
	(1) 20 NB	10.00	RM	38.35	383.50
206	(2) 32 NB	10.00	RM	45.00	450.00
207	(3) 50 NB	10.00	RM	56.00	560.00
208	(4) 65 NB	10.00	RM	67.00	670.00
209	(5) 75 NB	10.00	RM	84.00	840.00
210	(6) 90 NB	10.00	RM	95.00	950.00
211	labour charges for welding in any size of dia HDPE.Pipe joint of in open or underground pipeline as per direction of Engineer in charge including welding, materials and necessary tools & tackles for Joint. Electricity supply for welding, cutting will be provided by GIPCL (Excluding Excavation & Backfilling work)	2.00	Joint	310.00	620.00
212	Providing & attend pipeline Outlet/Inlet of any type fitting such WC,WB,Urinal etc..complete using of cement, chemical as per requirement and complete the job.	5.00	No	78.75	393.75
213	As above- but only labour charges	10.00	No	52.50	525.00
214	Labour charges for remove gijjar and refix it as per instruction of Electrical site incharge	5.00	No	52.50	262.50
215	Providing & fixing of PVC Flexible Waste Pipe of 1" for Wash Basin/Urinal Etc..	5.00	No	26.00	130.00
216	Providing & Fixing of Check nut of 1" size including required washers etc. for sintex water tank.	5.00	No	105.00	525.00
217	Providing & fixing of PVC Waste Coupling of Sink.	5.00	No	286.75	1433.75
<b>( H ) ROAD WORKS</b>					
1	Providing & laying compacted 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.	1.25	M3	1776.50	2220.63
2	Same as item no. 1 but using rubble available at JNT-13 (conveyor belt) including transportation of same at location to work	2.50	M3	855.00	2137.50
3	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.	5.00	M2	342.00	1710.00

4	Providing & Laying 35 mm 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/m <sup>3</sup> 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/m <sup>2</sup> , 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.	5.00	M2	288.00	1440.00
5	Providing & laying average 25mm consolidated thick bituminous concrete (BC) using black trap crushed stone aggregates as per required gradation and 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 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.	5.00	M2	157.50	787.50
6	Same as above item description of item nos. 4 and 5 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.	2.00	MT	2959.25	5918.50
7	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).	15.00	RM	247.00	3705.00
8	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 specificaiton.				
	a) 600 mm dia	3.00	RM	1676.75	5030.25
9	b) 450 mm dia	3.00	RM	1282.50	3847.50
10	c) 300 mm dia	3.00	RM	788.50	2365.50
11	d) 150 mm dia	3.00	RM	494.00	1482.00
12	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	3.00	RM	484.50	1453.50
13	b) 450 mm dia	3.00	RM	389.50	1168.50
14	c) 300 mm dia	3.00	RM	294.50	883.50
15	d) 150 mm dia	3.00	RM	194.75	584.25
16	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.	5.00	M2	855.00	4275.00
17	Providing, Laying, spreading and compacting W.B.M. 150mm thick average thickness of Grade I as per Morth specification using machine crushed M.C. metal of 45mm to 63mm with using 0.16 cum/10 sq. mt. of 6mm to 10mm grit/binding material and 0.08 cum/10 sq. mt. of stonedust/binding material including spreading in uniform thickness, watering and consolidation with vibratory roller etc. complete.	5.00	M2	1575.00	7875.00

18	Providing and applying primer coat with slow setting Bitumen emulsion of approved make or as directed by Engineer-in-Charge on prepared surface of granular base with low porosity on WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/M2 using mechanical means with pressure distributor and as per relevant clause of Section-500 and as directed by Engineer-in-Charge.	5.00	M2	33.25	166.25
19	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...	10.00	M3	147.25	1472.50
20	Filling of fly ash at average thickness of 300 mm for road and side shoulders including spreading, laid to proper camber and gradient not more than 300 mm depth, watering, consolidation, dressing and leveling, etc. complete as directed by Engineer in Charge. (Fly ash of required quantity shall be available from silo but transportation, loading, unloading shall be in contractor's scope). The fly ash filling shall be compacted in layer wise (not more than 300mm in each layer) with water flooding using water tanker.	10.00	M3	147.25	1472.50
21	Supply of following material at SLPP site including transportation, taxes & duties etc complete. (I) Stone Aggregate of 20 mm down	3.00	M3	760.00	
22	(II) Stone Aggregate of 40 mm down	3.00	M3	950.00	
23	(III) Stone Aggregate of 40 to 63 mm down	2.00	M3	950.00	1900.00
24	(IV) Supply of quarry dust material	2.00	M3	475.00	950.00
25	(V) Supply of Sand (Black or bodeli white)	3.00	M3	1045.00	3135.00
26	(VI) Supply of Fine Sand (Narmada)	2.00	M3	712.50	1425.00
27	(VII) Supply of Ash Bricks	3.00	Per 1000 Nos.	2470.00	7410.00
28	(VIII) Supply of Rubble of size 300 to 500 mm size at Colony	4.00	M3	855.00	3420.00
29	Providing and filling expansion joints in concrete road by 25 mm thick SILFEX pre molded compressible filler board in black colour, of approved make (Supreme industries or equivalent) conforming MORTH specification (Clause1015), having minimum density of 95 kg/cum, non staining with less than 1% absorption & compression recovery of 93% minimum as per the specification 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 E-I-C.	5.00	RM	988.00	4940.00
30	Providing, Laying, spreading and compacting graded stone aggregate to wet mix macadam (WMM) in two layers not more than 100mm thick each layer and total average thickness 200mm (Compacted thickness) , 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 as per clause 406 and as directed by Engineer in charge.	5.00	M3	950.00	4750.00



31	Asphalt Painting with applying evenly 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.	10.00	M2	42.75	427.50
32	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 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.	10.00	M2	370.50	3705.00
33	Providing and fixing of road stud 100x 100 mm, die-cast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed on asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS 873 part 4:1973	10.00	No	367.50	3675.00
34	Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC :67 made of encapsulated lens type reflective sheeting vide clause 801.3, fixed over ACP sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm (height from crown level of the road and bottom of the sign board shall not be less than 1.5 m.) firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing including painting of vertical post as per specification. as per specifications and as directed by OWNER/Engineer in charge.				
	a)90 cm equilateral triangle	1.00	No	4672.00	4672.00
35	b) Same as above but for 60 cm circular	1.00	No	3517.00	3517.00
36	c) Same as above but for 80 cm x 60 cm rectangular	1.00	No	4620.00	4620.00
37	d) Same as above but for 90 cm x 30 cm rectangular	1.00	No	2887.00	2887.00
<b>( I ) ROOF COVERING, WATER PROOFING</b>					
<b>TREATMENT</b>					
1	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	2.00	SM	570.00	
2	(b) 20 gauge plain GI sheet	2.00	SM	617.50	
3	(c) Transparent colour corrugated acrylic sheet (1 mm thick)	2.00	SM	712.50	

4	(d) Transparent colour or plain corrugated sheet for thickness more than 2mm.	2.00	SM	760.00	
5	Dismantling of existing GI, AC or FRP sheet at all height.	2.00	SM	95.00	190.00
6	Labour charge for fixing G I/AC sheet, ridges in roofing/ cladding/ covering corners, etc. at any height with necessary galvanized iron J or L hooks 8 mm dia/ GI bolts/ screws & bitumen/ GI washer, lapping including cutting to proper size, scaffolding etc. complete. (Required size sheet will be supplied by GIPCL)	2.00	SM	147.25	294.50
7	Repairing of M.S. Windows/Gate, 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 seperately at actual in subsequent item on production of original bills with incoming challan	2.00	No	242.25	484.50
8	Providing and Laying of 03 mm thick APP (Atactic Polypropylene Polymer) modified and reinforced with Polyester matt-160 grams per sqm bitumen waterproofing membrane-4.2 kg/sqm as per manufacturer's (Fosroc or equivalent make) specifications consisting of a coat of bitumen base primer above 0.4 liter per sqm of approved make. Over the primer coat the membrane shall be laid using torch and sealing all joints with side overlap of 100mm and end lap shall be 150 mm minimum and preparing the surface etc. complete. The physical and chemical parameters shall be as under. Tensile strength in longitudinal and transverse direction should not be less then 125 deg. C with tear resistance of minimum 40/160N. The laying of membrane shall be got done through the authorized applicator of manufacturer of the membrane and as per standard guideline of manufacturer. (Rate including all material cost, skilled-unskilled manpower, loading, unloading, transportation, storage, safety equipments, tools and tackles all complete as directed by Engineer in charge.)	5.00	M2	418.00	2090.00
9	Labour charges for removing of existing tarfelt water proofing treatment from roof slabs, parapet wall, etc. at all elevations, including removing of all materials & transporting outside premise as directed by engr, cleaning of bitumen from slab, wire brushing, chipping whenever required, etc. complete as directed by E-I-C.	6.00	M2	28.50	171.00
10	Providing & laying standard cement water proofing treatment known as INDIAN WATER PROOFING at all elevations, slabs, terraces, etc. in following stages: a) Clean the surface completely of all dirt, dust, etc. by wire brush and other tools to expose the original surface. b) Acrylic based waterproofing compound at the rate of minimum 1 Kg or as per manufacturer's specifications, whichever is higher for every 50 Kg of cement shall be added in cement mortar/ cement slurry to be used for each layer/ cost for this water proofing treatment. c) Providing & laying of selected well burnt brickbats of				

	approved quality in cement mortar 1:3, average thickness of 115mm. This layer should be laid in the required slopes and with waterproofing additives.				
	d) Providing & laying finishing coat of 25 mm thick cement sand 1:3 plaster. The surface should be finished smooth with a slurry of cement floated over the surface with string marks in required pattern using waterproofing additives.				
	e) At the junction of slab with parapet or any horizontal surface with vertical surface, the double layer of brickbats as stated in (c) above, shall be laid before laying finishing coat, such junction should be rounded up properly and smoothly to match with the adjoining surface.				
	f) Necessary chipping of plaster, masonry or RCC wherever required shall have to be done.				
	g) The entire surface so treated shall be cured by making a water pool over the entire surface for 10 days minimum.				
	h) The rate quoted shall include all materials & labour, necessary for satisfactory completion of job. (Cement shall be supplied free of cost by GIPCL).				
	i) Measurement shall be paid for the actual treated area (No separate payment for vata shall be made).	5.00	M2	850.00	4250.00
11	Providing & Laying 40mm thick marble chips flooring rubbed and polishes (I.E.terrazo) to granolithic finish with under layer 30mm thick cement concrete 1:2:4 and top layer 10mm thick with white, black or white and black marble chips of required sizes from 1 mm to 4 mm nominal size laid in cement marble powder mix 3:1 in proportion of 4:7 in light shade pigment with ordinary cement	5.00	M2	588.00	2940.00
12	Labour charges for applying polymer based chemical waterproofing treatment to Floor, exterior wall, chajja, beams etc., at all elevations & locations using approved quality chemicals including cleaning the surface with wire brush, removing of all dirt, dust to receive further treatment, application with brush/spray as per manufacturer's instructions with material like brush, labour & scaffolding etc. (Chemical will be free issue from GIPCL store.)	5.00	M2	63.00	315.00
13	Labour Charges For Chemical/ cement water proofing treatment at all elevations, wall,R.C.C.structure etc in following stages:				
	a) Clean the surface completely of all dirt, dust, etc. by wire brush and other tools to expose the original surface.				
	b) Apply chemical based waterproofing compound as instruction of Enigneer In Chargea and as per manufacturer's specifications in two coat application.				
	a) For any size of Groove or Patta up to 3" thick	10.00	RM	26.25	262.50
14	b) Waterproof coating on External wall	10.00	SM	120.75	1207.50
15	c) Transparent silicone coating on exterior chips plaster	5.00	SM	136.50	682.50
16	d) waterproof coating on Terrace area	5.00	SM	84.00	420.00
17	waterproofing tratment to exterior wall, chajja,beams, etc. at all elevations & locations using approved quality chemicals including cleaning the surfaces with wire brush, removing of all dirt, dust to receive further treatment, application with brush/ spray as per manufacturer's instructions with all materials, labour & scaffolding, etc. for the following: (Use Sika/Sunanda or equivalent product as approved)				
	a) Water proofing work of exterior gissi	10.00	RM	94.50	945.00
18	b) Waterproofing coating on external wall	10.00	SM	183.75	1837.50
19	c) Crack filling work of wall	10.00	RM	78.75	787.50

20	d) Polymer injection grouting work	5.00	No	220.50	1102.50
21	e) Transparant silicone coating on exterior chips plaster	5.00	SM	210.00	1050.00
22	f) Crackfilling & waterproofing coating on existing terrace surface	5.00	SM	200.00	1000.00
23	waterproofing tratment to exterior wall, chajja,beams, etc. at all elevations & locations using approved quality chemicals including cleaning the surfaces with wire brush, removing of all dirt, dust to receive further treatment, application with brush/ spray as per manufacturer's instructions with all materials, labour & scaffolding, etc. for the following:				
24	a) Using MC-BOUCHEM make chemicals:				
	i) For two coats of NISHIWASH	10.00	Kg	105.00	1050.00
25	ii ) For two coats of Roofex with one coat of primer	5.00	M2	367.50	1837.50
26	b) Using SIKA make chemicals:				
	i) SEALOFLEX acrylic based compound	5.00	Kg.	315.00	1575.00
27	ii) SIKA TOPSEAL 107 -Polymer based mortar	5.00	Kg.	105.00	525.00
28	Providing & applying 20 mm thick water proof plaster in two layers with C.M. 1:3 on columns, walls, etc. including adding Fosroc or its equivalent quality made water proofing admixture conplast prolapin 421 IC of IS:2645-1975 as per manufacturer's requirement including scaffolding, curing, etc. complete at all levels.	5.00	M2	153.00	765.00
29	Apply Dr.Fixit PU foam injection resin by means of a single- or two-comp. pump. Make sure that only pure Dr.Fixit PU foam injection resin 150 without any residues from cleaning agents or other foreign matter is injected. Empty components A and B which are provided according to the required mixing ratio of 1:1 (parts by volume) - or measured out in separate containers by the user - completely into a mixing vessel and mix homogeneously by means of a low-speed stirrer. Note that the mixed material is sensitive to moisture which is why all contact with water (e.g. rain) must be avoided. If a prepared mixture is not used immediately, high air humidity may cause a skin to form on the surface. This skin must be removed prior to further use (do not mix with the material!); the mixture itself is workable for approx. another 2-3 hours. The injection pressure (starting at approx. 20 bar) depends on the nature of the building, the hydrodynamic and hydrostatic conditions and the desired filling level. Carry out the injection at intervals so that conclusions can be drawn from the reaction of the material (surface emergence, etc.) as to whether to continue or to stop the injection process. Dr.Fixit PU foam injection resin 150 can be applied at building temperatures > 5°C. Note that best results are achieved at an initial material temperature of 15°C-25°C. Higher initial temperatures accelerate the reaction. For a durable limited- flexibility filling and sealing of cracks, a secondary injection				

	with Dr.Fixit PU foam injection resin 150 is necessary depending on the object. Immediately after the injection of Dr.Fixit PU foam injection resin 150 secondary crack injections can usually be carried out via the same drill-holes. If the secondary injection is carried out several hours later it may be necessary to install new packers in different positions. Approximately 1 kg material to be used for one point.	2.00	No.	3035.00	6070.00
30	Clean the wall surface free from old paint and laitance using wirebrush. Filling of cracks lower than 5 mm with Dr. Fixit Crack X powder / paste and larger than 5 mm cracks to be filled by PMM-1:4 ( cement:sand ) admixed with Dr. Fixit Pidicrete URP-10 % by weight of cement. Providing and laying one coat of Primer – Dr. Fixit Primeseal @12 Mt2 per Ltr and allow it to dry. Apply the first neat coat of Dr. Fixit Raincoat without dilution at the rate of 1.5 m2 per ltr per coat.After 5 to 6 hours of interval apply second neat coat of Dr. Fixit Raincoat at the same rate. Allow it to air cure for 7 days.	2.00	Sqm	160.00	320.00
31	Providing and attending under ground tank/structure leakages/seepages by adding "Sika Intra Plast" or equivalent chemical compound through injection cement grouting.	1.00	No.	630.00	630.00
32	Providing and attending under ground cable trench seepages by following operation. (i) Epoxy grouting with special product like "Sikadur 53 & 52" (ii) Injection pressure grouting with mixture of cement and "Sika Intraplast" or equivalent chemical compound. (iii) Final coating with "Sika Latex" or equivalent compound.	1.00	No.	682.00	682.00
33	Rehabilitation of existing structure by following operations, (i) Chipping & removal of defective loose concrete etc. (ii) Rust removal with "Sika Rust off 100" or equivalent. (iii) Applying "Sika Latex" bond coat. (iv) Fixing of weldmesh jali. (v) Application of polymer mortar.	2.00	Sqm	1206.00	2412.00
34	Providing & applying 20 mm thick water proof plaster in two layers with C.M. 1:3 on columns, walls, etc. including adding Fosroc or its equivalent quality made water proofing admixture complast prolapin 421 IC of IS:2645-1975 as per manufacturer's requirement including scaffolding, curing, etc. complete at all levels.	5.00	M2	152.00	760.00
35	Providing & laying manglore tiles (first quality basel mission tiles approved quality) over RCC flat/slope roof including hip and ridge tiles and providing mortar bedding of 30mm wide and 20mm thick (minimum) with CM 1:4 to receive the tile including fixing the hip and ridge tiles with necessary cement mortar all complete as directed.	10.00	M2	435.00	4350.00
36	As above item but only labour charges only	10.00	M2	168.00	1680.00
37	Polymer Injection grouting by using approved chemical including as per site required to drill and fix the nipple and grout with pressure the chemical and after tretment to finish the surace and match with the existing plaster surface etc. complete.	5.00	No	205.00	1025.00

38	Providing, supplying, transportation & fixing transparent colour Fibre Reinforced Plastic (FRP) Profile Translucent corrugated sheet (2 mm thick) of " Everlight" manufactured utilizing the best quality of Unsaturated Polyester based U.V.stabilized Resin in order to retard the effect of occurrence of yellowishness in longer span of conditions.(with appropriate reinforcement) in roofing/ cladding/ covering corners, ridges, etc. of approved quality and colour at any height with necessary galvanized iron J or L hooks 8 mm dia/ GI bolts/ screws & bitumen/ GI washer, lapping including cutting to proper size, scaffolding, etc. complete as directed by Engineer-in-charge.	5.00	SM	936.00	4680.00
39	Providing & Fixing of Plain acrylic sheet (2mm thick) including scaffolding, cutting,drilling and necessary fitting with screw/nail or solution etc.. Complete as per instruction of Site Incharge.	5.00	Sqm	936.00	4680.00
40	Labour charges for crackfilling in wall/ floor area using with 1:3 cement mortar including cleaning of crack, making " v" cut and finish with existing surafe area.	5.00	Rmt	26.25	131.25
41	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.	5.00	Rmt	551.00	2755.00
42	Providing and Apply 2 coats of SMARTCARE PU MAGNUM ( ASIAN PAINTS LTD make ) achieving approximant thickness of 1mm, including of one coat epoxy primer, surface preparation, crack repairing with polymer base putty, repair existing coving and etc.	2.00	M2	645.00	1290.00
43	Providing and applying of Smartcare Damp Block 2k 2 cots of water proofing coating (ASIAN PAINTS LTD make.) including of surface preparation and pot holes filling and repair of cracks etc. Completed as directed by EIC & manufacturer specification.	5.00	M2	376.00	1880.00
44	Providing and applying of Smartcare Damp proof Acrylic base water proofing coatings of (ASIAN PAINTS LTD make.) including of surface preparation and pot holes filling and repair of cracks etc. Completed as directed by EIC & manufacturer specification.	2.00	M2	484.00	968.00
45	Providing and applying Repairing of non structural minor cracks, by using of crack seal grey (ASIAN PAINTS make) prepacked crack seal mortar, including making V' groove 3 to 5 MM, applying bond coat, and filling crackseal grey etc. Complete as directed by the manufacturer and EIC. ( exterior wall)	2.00	Rmt	197.00	394.00
46	Providing and applying Repairing of non structural cracks, by using smartcare Repair mortar of (ASIAN PAINTS make) prepacked crack seal mortar, including making V' groove15mm to 25 MM, applying bond coat, and filling Repair mortar etc. Complete as directed by EIC.	2.00	Rmt	328.00	656.00
47	Cleaning the Expansion Joint and repairing it properly to create a proper joint of 25 mm with the help of Asian Paints Smartcare Repair Mortar (if required) and then putting a backer rod up-to a depth of 15 mm and filling the expansion joint with Asian Paints Smartcare Hybrid PU Sealant in the groove of 25 x 15 mm then Providing and applying of expansion joint treatment with TPE Membrane belt size of 200 mm ( ASIAN PAINTS , SIKA OR MYK SCHOMBURG MAKE ) Including of fixing TPE belt with epoxy joint adhesive any approved make.	2.00	Rmt	2500.00	5000.00
48	Providing and fixing of aluminum stripe size of 240mm width and 2mm thick, protect of NBR Tape including of fixing	2.00	Rmt	500.00	1000.00

49	Providing and applying PU Sealant of top of expansion joint size of 25 mm x 15 mm	2.00	Rmt	400.00	800.00
50	Labour charges for Epoxy grouting-including nozzle fixing, crack sealing & nozzle cutting )	2.00	No	400.00	800.00
51	Supply of epoxy grout material (FLOWGROUT EPLV of Fairmate make)	2.00	Ltr	900.00	1800.00
52	Supply of PU Injection Grout material FLOWGROUT PULV of fairmate make or equivalent	2.00	Ltr	2000.00	4000.00
53	Providing and applying Polymer Modified Mortar SMARTCARE REPAIR MORTAR ASIAN PAINTS MAKE, including chipping of loose material from surface, up to 25 mm to 30 mm thickness and removing all rust from reinforcement by using wire brush and RR (for cleaning reinforcement), applying one coat of Zinc rich anti corrosive primer coating any aproved make, Complete as per specification. Any requirement of new steel welding with old steel it will be company scope free of cost.	2.00	M2	2600.00	5200.00
54	Injection Cement grouting in Concrete area/Wall area as per instruction of Site Engineer	1.00	No	300.00	300.00
<b>( J ) MISC. WORKS</b>					
1	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.	5.00	Rmt.	14.25	71.25
2	(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).	5.00	Rmt.	19.00	95.00
3	Closing of openiongs, holes, openings, etc. with bricks / cenent concrete as per instructions of engineer with both side plastering, shuttering, etc. complete for areas of normal approach ( upto 5.0m. Height) and for hole size upto 0.10 m2.	10.00	No.	76.00	760.00
4	Same as above but for location requires scaffolding. (above 5.0m. Height) ( if area of hole / opening increase above 0.10 m2, the measurements shall be paid under relevant items of brick masonry and plastering).	5.00	No.	229.00	1145.00
5	Transportation of various materials including loading, unloading transporting with tractor, from one place to another place inside colony area or disposal outside colony area to suitable location, etc. complete with all lead & lift.The contractor shall make his own arrangement for disposing the debries / earth out side plant area. a) For materials like plastic, paper waste, cable scrap, insulation materials, wooden scrap, etc.	5.00	Trip	285.00	1425.00
6	b) For materilas like earth, debries, brick bats, sand, aggregates, etc.	2.00	Trip	285.00	570.00
7	C) For materilas like ash, waste lignite etc. within lead of 3.00 kms.	2.00	Trip	285.00	570.00
8	d) Wild growth, grass, tree branches, etc.	2.00	Trip	285.00	570.00
9	Cleaning of katchha storm water drain along the road side and peripheral drains of various buildings by removal of soil, slush, veeds, bushes, various sizes upto the drain raft top, including disposal of the same within lead of 3.00 kms.using tractor and trolly and aslo including removal of precast cover and replacement of the same in position as and when required for cleaning some of the drain.	50.00	R.Mtr.	19.00	950.00

10	Labour charges for cutting of Grass/small bushes manually within colony at various location as shown by GIPCL Officer including cost of labour, tools, equipment, safety precautions and incidental charges etc.	25.00	M2	3.80	95.00
11	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.	100.00	%	10.00	1100.00
12	Pressure grouting of leakage/ honey comb concrete works with cement slurry mixed with approved quality water proofing compound including making holes for fixing nipples, grouting with pressure pump, removing of nipples, finishing, etc. complete.	2.00	No	468.00	936.00
13	Providing & fixing GI water spouts of 40 mm NB- B class pipes, upto 400mm long including making holes & finishing the same, etc. complete.	2.00	No.	468.00	936.00
14	Fixing of door or window including grouting hold fasts and making good the walls, etc.	3.00	M2	126.00	378.00
15	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.	5.00	M2	712.50	3562.50
16	ii) Above 3.00m level height from floor of any level				
17	(Required scaffolding from floor level is in the contractor's scope.) For wired glass :				
	i) Upto 3.00 m level height from floor of any level.	2.00	M2	731.50	1463.00
	ii) Above 3.00m level height from floor of any level	2.00	M2	760.00	1520.00
18	(Required scaffolding from floor level is in the contractor's scope.)				
19	Supplying and fixing best quality putty on glass panel of windows at all elevations including cleaning old putty etc.. complete. at all elevations.	10.00	M2	52.25	522.50
20	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.	10.00	M2	147.25	1472.50
21	Providing & fixing fan hook in existing slab/ beam including chipping, exposing reinforcement, fixing 12 mm dia hook, finishing with cement plaster, etc. complete.	2.00	No.	99.75	199.50
22	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.	10.00	M2	114.00	1140.00
23	Servicing & realigning any type of venitian/Rollere blind including repairing of gear wheel and adjusting chords & locks & repairing, etc. complete.	10.00	No.	180.00	1800.00
24	Supplying labour charges for cutting the masonry in circular opening upto 600 mm dia to suit the exhaust fan frame and also arranging for fixing the frame as directed including finishing with cement plaster on both side, scaffolding, etc. complete as directed.	3.00	No.	484.50	1453.50
25	Same as above but for rectangular or square opening upto 600 x 500mm size for fixing AC frame etc.	5.00	No	484.50	2422.50



26	Repairing of hydraulic door closure including removing & refixing in position, changing lubricant oil, servicing, etc. complete.	2.00	No	147.25	294.50
27	Removing existing false ceiling of any type including removing existing electrical/AC fittings if required and keeping the same in side plant in re usable condition in proper manner as directed by Engineer in charge.	3.70	M2	79.00	292.30
28	Labour charges for fixing of wooden partition removed earlier including necessary hardwares, rectifications / modifications if required, as directed by Engineer.	2.00	M2	242.25	484.50
29	Labour charges for fixing of Alluminium partition removed earlier including necessary hardwares, rectifications / modifications if required, as directed by Engineer.	5.00	M2	242.25	1211.25
30	Labour charges for fixing of false ceiling, removed earlier including fixing of hangers, hooks, necessary hardwares, rectification, if required, etc. complete.	5.00	M2	242.25	1211.25
31	Repairing rolling shutters of gear opeated 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.)	1.00	No.	1050.00	1050.00
32	Servicing, oiling, greasing of rolling shutters of various sizes fitting of old springs, nuts, etc. complete to make smooth operation of rolling shtter. (The payment of parts will be made in respective item of supply of parts.)	1.00	No.	1662.50	1662.50
33	Supplying and fixing of the parts for rolling shutter.				
	a) Wheel upto 20 cm dia.	1.00	No	494.00	494.00
34	b) M.S. strip with fitting	6.00	rft	66.50	399.00
35	c) Spring	2.00	No	2470.00	4940.00
36	d) Shaft	1.00	Rft	152.00	152.00
37	e) Total gear system	1.00	No	8075.00	8075.00
38	Supplying & fixing floor springs/ windows/ doors parts of approved make including all related works required for fixing in position..required for fixing in position..				
	a) Piston	1.00	No	394.25	394.25
39	b) Cam	1.00	No	294.50	294.50
40	c) 'Bearing	1.00	No	270.75	270.75
41	d) U-Rod spring	1.00	No	394.25	394.25
42	e) Roller bearing for sliding windows ( Heavy duty )	1.00	No	95.00	95.00
43	f) Pivot	1.00	No	294.50	294.50
44	g) Alu. handle for Windows	1.00	No	78.75	78.75
45	h) Alu. handle for Doors - big size.	1.00	No	95.00	95.00
46	i) S.S.hinges up to 100 mm.	1.00	No	53.00	53.00
47	j) Alu. latche	2.00	No	42.00	84.00
48	k) Heavy duty Aluminium foot stopper - with two legs.	1.00	No	105.00	105.00
49	l) Heavy duty Brass foot stopper	1.00	No	210.00	210.00
50	Providing & fixing standard aluminium bedding for aluminium partition, window, door, etc. for fixing glass, pannel, etc. with rubber beading.	10.00	Rm	95.00	950.00
51	Supplying & fixing 3 mm thick acrylic sheet of approved colour & make including fixing in position with all materials and labour.	3.00	M2	1665.00	4995.00
52	Labour charge for laying, transporting to site and erecting in position 160 mm dia. HDPE Rain water pipe from varous 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. lengh with existing structure, removal of damaged existing HDPE pipes etc. complete as directed by engineer in-charge.	2.00	R.Mtr.	147.25	294.50

53	Providing and placing in position 60 mm thick " I " or approved shape interlocking Paver block in pink pigmentation / colour combination of compressive strength 200 kg / cm2 including levelling of area by cutting/filling of soil (around 100 mm), removal of vegetation, tree bushes, preparation of average 100 mm thick bed ash bedding by watering, compacting, uniform levelling, providing 60 mm thick " I " shape interlocking blocks manufactured from Fly ash, transportation to site, placing in position, levelling 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. Bed ash of required quantity will be supplied free of cost at specific request at nearest possible location and the remained/unused quantity of the same shall be removed from site as directed.	10.00	M2	380.00	3800.00
54	Providing and placing in position 60 mm thick " I " or approved shape rubber molded interlocking block in pink pigmentation / colour combination of compressive strength 200 kg / cm2 including levelling of area by cutting/filling of soil (around 100 mm), removal of vegetation, tree bushes, preparation of average 100 mm thick bed ash bedding by watering, compacting, uniform levelling, providing 60 mm thick " I " shape interlocking blocks manufactured from Fly ash, transportation to site, placing in position, levelling 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. Bed ash of required quantity will be supplied free of cost at specific request at nearest possible location and the remained/unused quantity of the same shall be removed from site as directed.	10.00	M2	494.00	4940.00
55	Providing and placing in position 80 mm thick " I " or approved shape rubber molded interlocking block in pink pigmentation / colour combination of compressive strength 200 kg / cm2 including levelling of area by cutting/filling of soil (around 100 mm), removal of vegetation, tree bushes, preparation of average 100 mm thick bed ash bedding by watering, compacting, uniform levelling, providing 60 mm thick " I " shape interlocking blocks manufactured from Fly ash, transportation to site, placing in position, levelling 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. Bed ash of required quantity will be supplied free of cost at specific request at nearest possible location and the remained/unused quantity of the same shall be removed from site as directed.	10.00	M2	750.00	7500.00
56	Same as above Only labour charges for Item no.33&34 (Materials of Paved blocks, Fly ash, Bed ash, cement etc..transportation cost are in contractor scope from store yard or stock yard )and required machine for compation is in scope of contractor.and as directed by Engineer in charge.	5.00	M2	99.75	498.75
57	Providing and laying heavy duty precast curb stone of size 400 x 200 x 100 mm 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.	10.00	RM	256.50	2565.00

58	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.	12.00	RM	128.25	1539.00
59	Rebar dowel fixing with fischer fisv 360s chemical (16 mm diax200 mm depth) by making holes of size about 20 to 22 mm dia. by power drilling up to 200mm deep, inserting 16mm dia. dowels and fixing of same with approved chemical (Fischer fisv 360s) except free issue of 16mm dia. dowel bars but inclusive of all required materials, chemicals, power tools, tackles, manpower, transportation, loading, unloading, etc. complete up to the entire satisfaction of E-I-C.	2.00	No	317.00	634.00
60	18mm dia/150mm depth Drilling in existing concrete and 16MM X 190mm Anchor Bolt grouting with 'FISCHER' FISV 360 S Chemical (RGM 16X250)	2.00	No	833.00	1666.00
61	Integrated weed management on quarterly basis. Rate is per annum for application in every quarter. <ul style="list-style-type: none"> <li>• Cutting of Shrubs, Bushes and woody plants (dicots) of a given area.</li> <li>• Treatment to the cut stamps by application of weedicide.</li> <li>• Cutting of grass (Monocots) to the desired level.</li> <li>• Spraying of weedicide on this minimal growth.</li> <li>• Removal of grass weeds by uprooting the roots, tubers, Rhizomes etc.</li> <li>• Spraying Weedicide to kill/burn the leafy or Vegetative growth.</li> <li>• Frequency of Spraying, weedicide and manual removal of weeds is intermittent.</li> </ul> Chemical to be used are "GLYCEL" and "2-4d (agromore)".	10.00	Sqm	21.00	210.00
62	Cleaning & washing the O.H. Tanks of PVC/RCC at various quarters as well as public buildings. Capacity upto 1500 liters including cleaning of open terrace surrounding with required necessary tools, plants, wire ladders, wire brushes, shelves, buckets, rope & cleaning powder or bleaching powder etc. including removing & disposing mud & sand & disposing the same at place as directed.	5.00	No.	130.00	650.00
63	Cleaning of storm water drains in township covered and open, including removal of tree leaves, foreign materials dust, settle soil, stagnation due to various reasons, removal of chocking of water and disposal of all such debris as specified by GIPCL. The drains are required to be kept clean to ensure free flowing throug out the period.	25.00	Meter	8.40	210.00
64	Providing and fixing of fine mesh net on opening area of exhaust fan, size approx. 40cmx40cm,including fixing with M.S. flat on border area and screw it, necessary scaffolding work,painting of flat etc..and as per instruction of site incharge	5.00	No	365.00	1825.00

65	Sofa cleaning by shampooing with machine through experienced approved agency.	5.00	seat	210.00	1050.00
66	Chair cleaning by shampooing with machine through experienced approved agency.	10.00	No.	105.00	1050.00
67	Filling of Compressible Filler Board (50mm thick) as per detailed procedure given by manufacturer and using skill manpower. The rate is including cleaning, preparation of joints etc complete as per manufacturer recommendation and as directed by Engineer in charge.	2.00	M2	2213.00	4426.00
68	Filling of PU Sealant (50x25mm) as per detailed procedure given by manufacturer and using skill manpower. The rate is including cleaning, preparation of joints etc complete as per manufacturer recommendation and as directed by Engineer in charge.	3.00	RM	988.00	2964.00
69	Providing and fixing of Cotastone 'UMARA PATTI' of size up to 1 1/2" x2" and length up to 1.00mt at entrance of doors as per site location including cutting as per required length and fixed with necessary adhesive/Screw up etc.. As per instruction of site incharge Engineer	5.00	No	312.00	1560.00
70	As above item but only labour chrges	5.00	No	187.00	935.00
71	cleaning of settled sludge from main SEWER line (DIA 230 MM depth Apprx.3.0m to 3.5 mtrs)chamber to chamber by high pressure sewer jet machine & gully emptier ,mud pumps and disposal of sludge in open area at ash dyke 3.5KM away from colony boundary wall.	5.00	RM	625.00	3125.00
72	same as above but for branch line (dia 150mm & depth upto 1.5M to 3.0M)	5.00	RM	572.00	2860.00
73	Providing & Fixing Of approved colour shade & quality of Rexine on existing Wooden chair's Seat & Back including to remove of existing damaged rexine/leather and refixing of the same including necessary fitting materials, adhesive etc..	5.00	Sft	235.00	1175.00
74	Providing and Cleaning of soak pit and septic tank by removing and disposing the mud, silt, sewage by using mud pump & tanker for depositing outside including arranging for mud pump, tanker, labour etc... complete as per instruction of engineer in-charge.	1.00	Day	2786.00	2786.00
75	Providing & repairing of existing any size of Brickwork chamber including dismantling of damaged area and finished the same as per sitecondition with brickwork /plaster/cement mortar as per instruction of engineer incharge	5.00	No	181.00	905.00
76	Providing & attending of any type minor leakages in Brickwall/RCCwall including chipping,applying chemical coat and finish the surface with surroung area surface.	5.00	No	155.00	775.00

77	Providing & attending of any type leakages in Sunk area,applying chemical coat or vata and finish the surface with surroung surface.	5.00	No	105.00	525.00
78	Providing & fixing of Green Mat Cloth (UV Trated Net) as approved quality at any elevation as per instruction of Site incharge.	5.00	SM	21.00	105.00
79	Providing, supplying and laying china mosaic tiles flooring (glazed tiles pieces of any colour) on terrace floor on 40 mm thick bed of C.M. 1:4 (1 cement : 4 fine sand) laid over and jointed with white cement slurry etc. complete as directed by the engineer-in-charge.	5.00	SM	728.00	3640.00
80	Providing, supplying and laying chequered tiles - ROUGHWALK PATTERNS 300mm x 300mm size, 30-32mm thick of VYARA make on 20 mm thick bed of C.M. 1:6 (1 cement : 6 fine sand) laid over and jointed with cement slurry with pigments to match the shades of the tiles. The rate is including shifting, loading, unloading, fixing, curing etc complete as per specification and as directed by Engineer-in charge.	5.00	SQ.M	936.00	4680.00
81	Providing, supplying and laying marble / kota stone slab 15 to 18 mm thick in door frame as per drawing laid on 10mm cement mortar 1:4 (1 cement : 4 coarse sand) and finished with flush pointing in white or colour cement including rubbing and polishing, scaffolding, necessary anchoring, chamfering, curing etc. complete as directed. (width of FRAME upto 300mm) FOR PAYMENT SINGLE RUNNING MEASUREMENT OF FRAME CONSIDER. (Basic Rate : Rs 750.0 / S.M.).frame means two piece of stone fix with glue /fevicol & making rebate for door shutter either side.	5.00	R.M.	820.00	4100.00
82	Providing, supplying and laying marble / kota stone slab 15 to 18 mm thick in WINDOW as per drawing laid on 10mm cement mortar 1:4 (1 cement : 4 coarse sand) and finished with flush pointing in white or colour cement including rubbing and polishing, scaffolding, necessary anchoring, chamfering, curing etc. complete as directed. (width of STONE upto 300mm) FOR PAYMENT SINGLE RUNNING MEASUREMENT OF STONE CONSIDER. (Basic Rate : Rs 750.0 / S.M.)	5.00	R.M	364.00	1820.00
83	Labour charge for Making hole in RCC Upto 300mm dia & depth.	5.00	R.M	310.00	1550.00
84	Labour charge for scaffolding upto any height.The rate shall including transportation of scaffolding materail from warehouse/colony premises & consumable materail like kathi,clamp,dismantling of scaffolding & stacking material shown by engineer etc. for payment height & breath of front surface shall be measured.	2.00	No.	52.50	105.00

85	REBAR FIXING in RCC Member including required drilling (DIA X DEPTH) at any level including all materials				
	a) Rebar Fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout Chemical 8mm DiaX80mm Depth	1.00	No	64.00	64.00
86	b) Rebar Fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout Chemical 10mm DiaX100mm Depth	2.00	No	90.00	180.00
87	c) Rebar Fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout Chemical 12mm DiaX150mm Depth	2.00	No	138.00	276.00
88	d) Rebar Fixing with FISCHER FISEM 390S or equivalent Fosroc or HILTI epoxy Chemical 8mm DiaX80mm Depth	2.00	No	84.00	168.00
89	e) Rebar Fixing with FISCHER FISEM 390S or equivalent Fosroc or HILTI EPOXY Chemical 10mm DiaX100mm Depth	2.00	No	113.00	226.00
90	f) Rebar Fixing with FISCHER FISV 390S or equivalent Fosroc or HILTI EPOXY Chemical 12mm DiaX150mm Depth	2.00	No	178.00	356.00
91	GROOVE CUTTING IN RCC MEMBER (WIDTH X DEPTH) at any level including all materials				
	a) 4 MM X 25 MM	5.00	Rmt	197.00	985.00
92	b) 4 MM X 50 MM	5.00	Rmt	445.00	2225.00
93	PROVIDING & FIXING CHEMICAL ANCHORING WITH NUT & WASHER IN RCC MEMBER OR BRICK WALL including required drilling (DIA X DEPTH)				0.00
	a) RGM or HILTI HASE 10X130 anchor bolt fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout chemical	2.00	No	190.00	380.00
94	b) RGM or HILTI HASE 12X160 anchor bolt fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout chemical	3.00	No	246.00	738.00
95	c) RGM or HILTI HASE 16X190 anchor bolt fixing with FISCHER fisv 360s or Lokfix-S or Hilti HIT HY-150 epoxy grout chemical	2.00	No	375.00	750.00
96	GROUTING OF FOUNDATION BASE WITH MS INSERTS				0.00
	a) With CONBEXTRA GP-1	0.25	CM	47500.00	11875.00
97	b) With CONBEXTRA GP-2	0.25	CM	49486.00	12371.50
<b>K Structural Fabrication &amp; Erection work</b>					
1	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.	0.10	MT	61750.00	6175.00
2	Same as above for quantity up to 100kg at single isolated location at any height.	25.00	Kg	81.70	2042.50

3	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.	0.20	MT	14535.00	2907.00
4	Same as above for quantity up to 100kg at single isolated location at any height.	50.00	Kg	20.90	1045.00
5	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.	0.25	MT	68875.00	17218.75
6	Same as above item no. 5 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.	0.25	MT	14725.00	3681.25
7	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).	50.00	Kg	88.35	4417.50
8	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.	0.25	MT	9500.00	2375.00

9	Same as above for quantity up to 100kg at single isolated location at any height.	126.00	Kg	11.40	1436.40
10	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.	10.00	per window	242.25	2422.50
11	Same as above but repairing of MS doors, which includes providing new MS aldrop, 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.	5.00	per door	242.25	1211.25
12	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.	3.00	No.	242.25	726.75
13	Supply of various parts/spares for MS doors, windows, barricade boards, etc... like hinges, aldrop, 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.	1000.00	%	9.50	1095.00
14	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.	5.00	No	114.00	570.00
15	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	2.00	No.	3610.00	7220.00
16	(b) lead beyond 5 km and up to 35 kms.	2.00	No.	3895.00	7790.00
17	Same as above but for above ground pipe line leakage which also includes pipeline placed up to 1 meter depth from ground level.	2.00	No.	2137.50	4275.00
18	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.	10.00	M2	95.00	950.00
19	Same as above item but Roof Gutter A.C. or G.I. or Galvalume.	10.00	RM	118.75	1187.50



20	Same as above item no. 18 & 19 but for total executed gross work done quantity is single roofing/cladding sheet 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.	5.00	No.	190.00	950.00
21	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.	5.00	M2	570.00	2850.00
22	(b) 20 gauge plain GI sheet	5.00	M2	617.50	3087.50
23	(c) Transparent colour corrugated acrylic sheet (1 mm thick)	5.00	M2	712.50	3562.50
24	(d) Transparent colour or plain corrugated sheet for thickness more than 2mm.	3.00	M2	760.00	2280.00
25	(e) Color coated Galvalume or Zinalume high tensile steel sheeting (as per detailed technical specifications mentioned in tender documents).	3.00	M2	712.50	2137.50
26	(f) Providing, supplying & fixing of 20g GI / Galvalume gutter with including cutting/bending in required size with nuts, bolts etc. complete at all elevations.	2.00	M2	665.00	1330.00
27	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.	10.00	M2	147.25	1472.50
28	Same as above item but for total executed gross work done quantity is single roofing/cladding sheet 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.	5.00	No.	190.00	950.00
29	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.	10.00	No	260.00	2600.00
30	removing only chain link of any height.	5.00	M2	61.75	308.75
31	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).	14.00	Rmt.	14.25	199.50

32	(b) Providing and fixing of barbed wire fencing with necessary bolts, nuts and packing for fastening tightening etc.complete including cost of Barbed wire. (Length of compound wall will be consider for measurement).	10.00	Rmt.	187.00	1870.00
33	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).	15.00	Rmt.	427.50	6412.50
34	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).	10.00	Sqm	997.50	9975.00
35	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.	3.00	Sqm	1140.00	3420.00
36	Dismantling of existing damaged MS or GI pipe railing of any size.	8.00	RM	147.25	1178.00
37	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)	2.00	RM	940.50	1881.00

38	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.	10.00	RM	342.00	3420.00
39	Same as above but quantity up to 3.00 RM at any isolated location.	5.00	No.	950.00	4750.00
40	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.	6.00	Kg	78.75	472.50
<b>( L ) SCHEDULE OF RATES FOR LABOUR AND EQUIPMENTS</b>					
Supply of Labours / Equipments for any type of works inclusive of all tools, tackles, supervision, Labour Laws liabilities, Insurance, transportation, fuel, operator etc. for the following : (Working Hours of 08 Hours in a Day)					
1	Unskilled labour	20.00	Day	291.88	5837.60
2	Mason	10.00	Day	570.00	5700.00
3	Carpenter	10.00	Day	570.00	5700.00
4	Plumber	10.00	Day	500.00	5000.00
5	Painter	5.00	Day	500.00	2500.00
6	Welder / Cutter	5.00	Day	422.75	2113.75
7	Fitter / Rigger	5.00	Day	422.75	2113.75
8	Helper	1.00	Day	413.25	413.25
9	Mixer Operator	1.00	Day	375.00	375.00
10	Pump Operator	1.00	Day	380.00	380.00
11	Road roller with driver	2.00	Day	6175.00	12350.00
12	Tractor with levelling equip. with driver	8.00	Day	3000.00	24000.00
13	Welding Machine with all accessories	10.00	Day	779.00	7790.00
14	Gas cutting set with DA & Oxygen Cylinder	2.00	Day	969.00	1938.00
15	Tractor with driver & fuel per day (Loading through manually)	3.00	Day	1140.00	3420.00
16	Tractor with driver & fuel per day (loading through JCB)	2.00	Day	1600.00	3200.00
17	Dumper with driver & fuel per day	2.00	Day	5300.00	10600.00
18	Supply of electric breaker machine with operator	2.00	Day	1425.00	2850.00
19	Pneumatic Breaker machine with tractor mounted air compressor, driver & operator.	1.00	Day	5000.00	5000.00
20	JCB with operator, helper & fuel per day (for 08 hrs.)	1.00	Day	5700.00	5700.00
21	Grader with operator, helper & fuel per day (for 08 hrs.)	0.50	Day	16000.00	8000.00
22	Supply of water tanker 3000 liter capacity full of drinking water	1.00	No	1500.00	1500.00
Total Estimated SOR Value for One Year					2499998.48
Total Estimated SOR Value for One Year Round off					2500000.00