

**SCHEDULE OF QUANTITIES FOR : "ARC for Misc. Civil Works in Factory & Township Areas and  
Operation of Sump Pump House in Township during 2021-22"**

**NIT No. : NFL / PT / CIVIL / 767 DATED 20.10.2021**

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
1	Carriage of material by Mechanical transport including loading, unloading & stacking upto 1km I.e. within Factory/Township Areas.		
1.01	a) Lime, moorum, building rubbish	100.000	CuM
1.02	b) Earth.	36.000	CuM
2	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed :		
2.01	All kind of soil	126.000	SqM
3	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled :		
3.01	All kind of soil	60.000	CuM
4	Earth work in excavation by Mechanical Means (Hydraulic Excavator) / Manual means in foundation trenches or drains not exceeding 1.5m in width or 10 sq.m. on plan including dressing of sides and ramming of bottoms, lift upto 1.5m including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50m:All kinds of soil		
4.1	All kinds of soil	220.000	CuM
5	Excavating trenches of required width for pipes, cables, etc. including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5m including getting out the excated soil, and then returnjing the soil as required, in layers not exceeding 20cm in depth including consolidating each deposited layer by ramming, watering etc. and disposal of surplus excavated soil as directed within a lead of 50m: All kinds of soil		
5.01	Pipes, Cables, etc. not exceeding 80mm dia.	45.000	Metre
6	Extra rates for quantities of works, executed:In or under water and/or liquid mud.	3.500	Metre Depth
7	Filling available excavated earth (excluding rock) in trenches plinth sides of foundation etc. in layers not exceeding 20cm in depth: consolidating each deposited layer by ramming and watering lead upto 50m and lift upto 1.5 m.	215.000	CuM
8	Extra for every additional lift of 1.5m or part thereof in: All kinds of soil	4.500	CuM
9	Supplying and filling in plinth with Jamuna sand underfloors including, watering, ramming, consolidating and dressing complete.	48.000	CuM
10	<b>Surface dressing of the ground including removing vegetation, and inequalities not exceeding 15cm deep and disposal of rubbish lead upto 50m and lift upto 1.5m:</b>		
10.01	All kinds of soil	6000.000	SqM
11	Excavating holes upto 0.5 cu.m including getting out the excavated soil then returning the soil as required in layer not exceeding 20cm in depth, including consolidating each deposited layerby ramming watering etc disposing of surplus excavated soil as directed within a lead of 50m and lift upto 1.5m: All kinds of soil		
11.01	All kinds of soil	140.000	Each
12	<b>Cement Mortar</b>		

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
12.01	Providing and laying Cement Mortar 1 : 3 ( 1 Cement : 3 Fine Sand ) on top of Boundry wall and fixing brocken glass pieces as a security measures or at any other location for any other work.	1.500	CuM
13	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering All works upto plinth level.		
13.01	a) 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	15.000	CuM
13.02	b) 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size).	170.000	CuM
13.03	c) 1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size).	90.000	CuM
13.04	d) 1:5:10 (1 cement:5 Fine sand: 10 graded stone aggregate 40mm nominal size).	160.000	CuM
14	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement:3 coarse sand:6 graded stone aggregate 20mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated grouted with fine sand including finishing the top smooth.	216.000	SqM
15	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement. All work upto plinth level.		
15.01	a) 1:1.5:3 (1 cement:1.5 coarse sand:3 graded stone aggregate 20mm nominal size).	4.000	CuM
15.02	b) 1:2:4 (1 cement:2 coarse sand: 4 graded stone aggregate 20mm nominal size).	13.000	CuM
16	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	21.000	CuM
17	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in lintels, beams and bressumers, including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering and shuttering but , excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3graded stone aggregate 20 mm nominal size)	25.000	CuM
18	Centering and shuttering including strutting, propping etc. and removal of form for:		
18.01	a) Foundations, footings, bases of columns etc. or mass concrete and precast shelves.	56.000	SqM
18.02	b) Suspended floors, roofs, landings balconies and access platforms.	13.000	SqM
18.03	c) Shelves. (Cast in situ)	3.000	SqM
18.04	d) Lintels, beams, plinth beams, girders, bressumers and cantilevers.	18.000	SqM
19	Reinforcement for RCC work ( Tor or Mild ) including bending, binding, straightening and placing in position complete (Tor / Mild steel will be supplied by NFL free of cost).	6000.000	Kg
20	Brick work with common burnt clay FPS (Non modular) bricks of class designation 7.5 in foundation and plinth in :		
20.01	a) Cement Mortar 1:6 (1 cement : 6 fine sand)	54.000	CuM
20.02	b) Cement Mortar 1:4 (1 cement : 4 fine sand)	7.000	CuM
21	Brick work with common burnt clay FPS (Non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all size & shape :		
21.01	a) Cement Mortar 1:6 (1 cement : 6 coarse sand)	55.000	CuM
21.02	b) Cement Mortar 1:4 (1 cement : 4 coarse sand)	7.000	CuM

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
22	Half brick masonry with common burnt clay FPS (Non modular) bricks of class designation 7.5 in foundations and plinth in cement mortar 1:4 (1 cement : 4 coarse sand)	105.000	SqM
23.1	Half brick masonry with common burnt clay FPS (Non modular) bricks of class designation 7.5 in Superstructure above plinth level up to floor V level in cement mortar 1:4 (1 cement : 4 coarse sand)	40.000	SqM
23.2	Providing and fixing horizontal chajja of stone 40 mm thick and upto 80cm projection in cement mortar 1:4 (1 cement : 4 coarse sand), including pointing in white cement mortar 1:2 (1 white cement : 2 stone dust) with an admixture of pigment matching the stone shade :	120.000	SqM
24	Providing and fixing 18 mm thick gang saw cut mirror polished, premoulded and prepolished machine cut for kitchen platforms, vanity counters facias and similar locations of required size of approved shade colour and texture laid over 20 mm thick base cement mortar 1 : 4 ( 1 Cement : 4 Coarse sand) with joints treated with white cement mixed with matching pigment, epoxy touch up including rubbing curing etc. complete : Area over 0.50 Sq.M.		
24.01	a) Rajnagar Plain white Marble	2.000	SqM
24.02	b) Granite of any colour and Shade	25.000	SqM
25	Mirror Polishing on existing Marble work / Stone work wherever required to give high gloss finishing complete.	2.000	SqM
26	Providing and fixing presed 3 layer partical board medium density exterior grade (grade 1) or graded woodarticle board IS :3087 marked to frame, backing or studding with screws etc. , complete (Frames, backing or studding to be paid separately) 18mm thick	50.000	SqM
27	Providing and fixing 18mm thick, 150mm wide pelmet of flat pressed 3 layer or graded wood particle board medium density grade I, IS:3087 marked including top cover of 6 mm commercial ply wood conforming to IS:303 BWR grade nickel plated M.S. pipe 20 mm dia (Heavy Type) curtain rod with nickle plated brackets including (heavy type) curtain rod with nickel plated brackets including fixing with 25x3 mm M.S. flat 10 cm long fixed to pelmet with Hollock wood cleats of size 100mmX40mmX40mm on both inner side of pelmet and rawl plugs 75 mm long etc all complete.	2.000	Metre
28	Providing and fixing nickel plated M.S. Pipe curtain rods with nickelplated brackets 20mm dia (heavy type)	180.000	Metre
29	Providing and fixing M.S.Griil of required pattern in wooden frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.		
29.01	a) Fixed to steel windows by welding.	61.000	Kg
29.02	b) Fixed in opening/wooden frame with rawl plugs screws etc.	151.000	kg
30	Providing 40x5mm flat iron hold fast 40cm long including fixing to frame with 10mm dia bolts;nuts and wooden plugs and embeddings in cement conc block 30x10x15cm 1:3:6 mix (1cement:3coarse:6graded stone aggregate 20mm nominal size)	29.000	Each
31	Providing and fixing ISI marked oxidised M.S. pressed butt hinges bright finished with necessary screws etc. complete :		
31.01	a) 100x58x1.9mm	210.000	Each
31.02	b) 75x47x1.7mm	62.000	Each
32	Providing M.S. Piano hinges ISI marked IS:3818 finished with nickle plating and fixing with necessary screws etc.,complete.		
32.01	Overall width 35mm	2.000	Metre
33	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 250x16mm	18.000	Each
34	Providing and fixing ISI marked oxidised M.S.Tower bolt black finish (barrel type) with necessary screws etc. complete		
34.01	a) 200x10mm	7.000	Each
34.02	b) 150x10mm	1075.000	Each
34.03	c) 100x10mm	127.000	Each
35	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete :		

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
35.01	100mm	675.000	Each
35.02	75mm	40.000	Each
36	Providing and fixing ISI marked oxidised M.S. hasp and staple (safety type) conforming to IS:363 with necessary screws etc. complete.		
36.01	90mm	7.000	Each
37	Providing and fixing oxidised M.S.casement stays (Straight peg type) with necessary screws etc. complete.		
37.01	300mm weighing not less than 200 gms.	2.000	Each
38	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm) with double speed adjust	62.000	Each
39	Providing & fixing chromium plated brass 100mm mortice latch and lock with 6 levers & a pair of lever handles of approved quality with with necessary screws etc. complete	18.000	Each
40	Providing and fixing Aluminium Tower Bolts ISI Marked anodised (Anodic Coating not less than AC 10 as per IS : 1868 ) transparent or dyed to required colour / shade with necessary screws complete :		
40.01	a) 200 X 10 mm	6.000	Each
40.02	b) 150 X 10 mm	10.000	Each
40.03	c) 100 X 10 mm	2.000	Each
41	Providing and fixing Aluminium handles ISI Marked anodised (Anodic Coating not less than AC 10 as per IS : 1868 ) transparent or dyed to required colour / shade with necessary screws etc. complete :		
41.01	a) 125mm	19.000	Each
41.02	b) 100mm	9.000	Each
42	Providing & fixing aluminium hanging floor door stopper ISI Marked anodised (anodic coating not less than grade AC 10 as per IS 1868) transparent or dyed to required colour and shade with necessary screws etc. complete. Twin rubber stopper	172.000	Each
43	<b>ALL STRUCTURAL STEEL TO BE ARRANGED BY THE PARTY FROM OPEN MARKET AT HIS COST ).</b>		
43.01	Structural Steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer : all complete.	1810.000	Kg
44	Structural Steel work riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	290.000	Kg
45	Steel work welded in built up sections/framed work including cutting hoisting,fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.		
45.01	In gratings, frames, guard bars, ladders, railings, brackets, gates and similar works.	2200.000	Kg
46	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides an		
46.01	80x1.25mm M.S. laths with 1.25 mm thick top cover.	28.000	SqM
47	Providing and fixing ball bearing for rolling shutters.	51.000	Each
48	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm thick cement mortar includingfilling the joint with same mortar, with common burnt clay Non Modular Bricks		
48.01	1:6 (1 cement : 6 coarse sand)	3.000	SqM
49	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.		

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
49.01	40mm thick with 20mm nominal size stone aggregate	150.000	SqM
50	Cement concrete pavement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size include finishing complete.	2.000	CuM
51	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS:15622 (Thickness to be specified by manufacturer ) of approved make in all colours and shades except burgundy, bottle green, black of any size as approved by engineer-in-charge in skirting, risers of steps and dados over 12 mm thick bed of Cement Mortar 1:3 (1 Cement : 3 Coarse sand) and joining with grey cement slurry @ 3.3 kg. per sqm including pointing in white cement mixed with pigment of matching shade complete.	100.000	SqM
52	Providing and fixing ceramic glazed floor tiles 300 X 300 mm (Thickness to be specified by manufacturer) of 1st quality conforming to IS:15622 of approved make in clours such as White, Ivory, Grey, Fume Red Brown etc. laid on 20 mm thick CementMortar 1:4 ( 1 Cement : 4 Coarse Sand) including pointing the joints with white cement and matching pigment etc., complete.	100.000	SqM
53	Providing & laying Vitrified Floor Tiles in different sizes (thickness to be specified by the manufacturer) with water absorptions less than 0.08 % and confirming to IS 15622 of approved make in all colours and shades laid on 20mm thick cement mortar 1 : 4 (1 cement : 4 coarse sand Including grouting the joints with white cement and matching pigments etc. complete		
53.01	l) Size of tile 600 mm X 600 mm	50.000	SqM
54	Providing corrugated G.S. Sheet roofing including Vertical / curved surfaces fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (upto a any pitch in horizontal / vertical or curved surfaces ) excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required ::0.63mm thick with zinc coating not less than 120 gms/m2	270.000	SqM
55	Providing high impact Polypropylene reinforced cement 6 mm thick corrugated sheets (as per IS: 14871) roofing up to any pitch and fixing with polymer coated J, or L hooks, bolts and nuts 8 mm dia. G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses), including cutting sheets to size and shape wherever required.	675.000	SqM
56	Providing and fixing ridges and hips in fibre cement high impact polypropylene reinforced roofing with suitable fixing accessories or self drilling fastener and EPDM washer etc. complete.	50.000	Metre
57	Providing and fixing fibre cement high impact polypropylene reinforced roofing accessories in all colours with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers or with self drilling fastener and EPDM washer etc. complete:		
57.01	a) North light curves	100.000	metre
57.02	b) Ventilators Curves	25.000	metre
58	Painting top of roofs with bitumen of approved quality at 17 kg. per 10m2 impregnated with a coat of coarse sand at 60dm3 per 10m2 including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete.		
58.01	With residual type petroleum bitumen of Grade VG-10	2.000	SqM
59	Providing gola 75x75mm in cement concrete 1 cement : 2 coarse sand:4 stone aggregate 10mm and down guage) including finishing with cement mortar 1:3( 1 cement: 3 fine sand) as per standard design.		

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
59.01	In 75x75mm deep chase.	108.000	metre
60	Providing and fixing on wall face unplasticised - Rigid PVC rain waterpipes conforming to IS:13592 Type A including jointing with sealring conforming to IS : 5382 leaving 10mm gap for thermal expansion.		
60.01	a) Single socketed pipes, 75 mm diameter	60.000	Metre
60.02	b) Single socketed pipes, 110 mm diameter	260.000	metre
61	Providing and fixing on wall face unplasticised PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS: 13592 Type- A including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion.		
61.01	a) Coupler 75mm	15.000	Each
61.02	b) Coupler 110mm	14.000	Each
61.03	c) Single tee with door 75x75x75 mm	10.000	Each
61.04	d) Single tee with door 110x110x110 mm	15.000	Each
61.05	e) Bend 87.5 degreee 75 mm	25.000	Each
61.06	f) Bend 87.5 degreee 110mm	50.000	Each
61.07	g) Shoe (Plain) 75 mm	15.000	Each
61.08	h) Shoe (Plain) 110mm	3.000	Each
62	Providing and fixing unplasticised-PVC pipe clips of approved design to unplasticised PVC rainwater pipes by means of 50X50X50 mm hard wood plugs screwed with M.S.screws of required length including cutting of brickwork and fixing in cement mortar 1:4 (cement : 4 coarse sand) and making good the wall etc. complete.		
62.01	110mm	3.000	Each
63	12mm cement plater of mix 1:6 (1 cement : 6 fine sand).	2100.000	SqM
64	15mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement : 6 fine sand).	530.000	SqM
65	12mm cement plaster of mix 1:4 (1 cement:4 coarse sand)	102.000	SqM
66	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement	170.000	SqM
67	Pointing on brick work or Brick Flooring with cement mortar 1:3 ( 1 cement : 3 fine sand) :		
67.01	Flush / ruled / struck or weathered Pointing.	408.000	SqM
68	<b>Repairs to plaster of thickness 12 to 20 mm in patches of area 2.5 sq.metres and under including cutting the patch in proper shape,raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead:</b>		
68.01	With cement mortar 1:4 (1 cement : 4 fine sand):	1200.000	SqM
69	Fixing chowkhats in existing opening including embedding chowkhats in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks of size 15 x 10 x 10 cm with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded sto		
69.01	a) Door chokhats.	4.000	Each
69.02	b) Window chowkhats.	2.000	Each
69.03	c) Clerestory window chowkhats.	2.000	Each
70	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty Float Glass panes of thickness 4 mm weighing 10 kg/m2	60.000	SqM
71	Renewing glass panes and re-fixing existing wooden fillets		
71.01	a) Float Glass panes of thickness 4 mm	182.500	SqM
71.02	b) Float glass panes of thickness 5.5 mm	12.000	SqM
72	Supplying and fixing new wooden fillets wherever necessary: Red Marindi wood fillets.	95.000	Metre
73	Renewal of old putty of glass panes (length)	65.000	Metre

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
74	Regrading terracing of mud phaska covered with tiles or bricks, in cement by dismantling tiles or bricks, removing mud plaster preparing the surface of mud phaska to proper slope relaying plaster gobi leaping and tiles or bricks, grouted in cement mortar 1:3(1 cement: 3 fine sand) including replacing unserviceable tiles or bricks with new ones and disposal of unserviceable material to the dumping ground(the cost of the new tiles or bricks excluded) within 50 mtrs. lead.	11.000	SqM
75	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering including disposal of rubbish to the dumping ground within 50 metres lead.	111.000	SqM
76	<b>Demolishing cement concrete manually/by Mechanical means including disposal of material within 50mtrs lead. As per Direction of Engineer in Charge</b>		
76.01	1:3:6 or richer mix.	51.000	CuM
77	Demolishing RCC manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.	7.000	CuM
78	Extra for cutting reinforcement bars manually / by Mechanical means in R.C.C. or R.B. work(Payment shall be made on the cross sectional area of R.C.C. or R.B. work).As per Direction of Engineer in Charge	11.000	SqM
79	Demolishing brick work manually / by Mechanical means including stacking of serviceable material & disposal of unserviceable material within 50mtrs lead :As per Direction of Engineer in Charge In Cement Mortar.	40.000	CuM
80	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : of area 3 sq.m. and below.(Double leaf shutter shall be treated as 1 unit only for measurement )MS Grill from window/vent chowkhats )	3.000	Each
81	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of:		
81.01	Asbestos Sheets ( CGI Sheets/ Aluminium / any other type Sheets)	445.000	SqM
82	Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking with in 50 metre lead.	41.000	Kg
83	Dismantling manually / by Mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead:As per Direction of Engineer in Charge		
83.01	a) Water bound macadam road	11.000	SqM
83.02	b) Bituminous road.	7.000	SqM
84	Dismantling G.I. pipe (external/internal) including excavation and re-filling trenches after taking out the pipes manually /by mechanical means including stacking of pipes within 50 meter lead. As per Direction of Engineer in Charge		
84.01	a) 15mm to 40mm nominal bore.	75.000	Metre
84.02	b) Above 40mm. nominal bore.	2.000	metre
85	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground with in 50 metre lead.	340.000	SqM
86	Dismantling aluminium/ Gypsum or wooden partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	26.000	SqM

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
87	Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal lines and two diagonals othe post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately) :- Payment to be made per metre cost of total length of barbed wire used. ( Payment to be made on the bases of per Metre length of individual barbed wire erected) With G.I. barbed wire.	2.000	Metre
88	Supplying at site Angle Iron Posts and struts of required sizes including bottom to be split and bent at right angle in opposite directions for 10 cm length and drilling holes upto 10 mm dia	2.000	Kg
89	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length ( total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	300.000	Metre
90	Providing and laying 60mm thick faciory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved s;ze, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	400.000	SqM
90.1	Providing and fixing G.I. chain link fabric fencing of required width inmesh size 25x25 mm made of G.I. wire of dia 3 mm includingstrengthening with 2 mm dia wire or nuts, bolts and washers asrequired complete as per the direction of Engineer-in-charge.	301.000	SqM
91	Providing and fixing white vitreous china pedastal type water closet (Europeon type) with seat and lid 10 liters low level white viterous china low level flushing cistern & CP flush bend flushing cistern with fittings and CI / MS brackets, 40mm flush bend, overflow arrangement with specials of standered make and mosquto proof coupling of approved municipal design complete including painting of fittings and bracket, cutting and making good the walls and floors wherever required :		
91.01	W.C.Pan with black/white solid plastic seat and lid	3.000	Each
92	Providing and fixing wash basin with C.I. brackets, 15 mm dia CPBrass single hole basin mixer of approved quality and make,including painting of fittings and brackets, cutting and makinggood the walls wherever required:-		
92.01	(a) White Vitreous ChinaWash basin size 550x400 mm with a 15 mm C	2.000	Each
93	Providing and fixing / replacing Stainless steel A ISI 304 kitchen sink as per I.s. 13983 with C.I. Brackets and stainless steel plug 40mm including painting of fittings and brackets, cutting and makinggood the walls wherever required:		
93.01	Kitchen sink without drain board. 610 X 460mm bowl depth 200 mm	6.000	Each
94	Providing and fixing / replacing white vitreous china water closet squatting pan(Indian type)		
94.01	Long pattern W.C. pan of size 580mm./ Orrisa pattern 580 X 440 mm	26.000	Each



S. No.	DESCRIPTION OF ITEM	Quantity	Unit
95	Providing and fixing / replacing white vitreous chine pedestal type (European type/wash down type)water closet pan of of approved make	16.000	Each
96	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to Eueopean type W.C. of quality and make as approved by Engineer - in - charge.	28.000	Each
97	Providing and fixing / replacing P.V.C. low level flushing cistern with manuallycontrolled device (handle lever) conforming to IS 7231, with all fittings and fixtures complete		
97.01	10 litre capacity - White	52.000	Each
98	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete:		
98.01	Black Solid Plastic Seat with lid	7.000	Each
98.02	White Solid Plastic Seat with lid	66.000	Each
99	Providing and fixing / replacing controlled flush low level cistern made of vitreous china with all fittings complete :		
99.01	10 Litre (full flush) capacity - white	3.000	Each
100	Providing and fixing G.I. inlet connection for flush pipe connecting with W.C.Pan	24.000	Each
101	Providing and fixing CP Brass Single lever telephonic wall mixer of quality & make as approved by Engineer in charge. 15 mm nominal dia	2.000	Each
102	Providing and fixing / replacing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265mm sizes respectively.	10.000	Each
103	Providing and fixing / replacing white vitreous china wash basin including making all connections but excluding the cost of fittings :		
103.01	a) Flat back wash basin of size 550x400mm.	25.000	Each
103.02	b) Flat back wash basin of size 450x300mm	9.000	Each
104	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C.waste fittings complete.		
104.01	a) semi rigid pipe 32 mm dia	1340.000	Each
104.02	b) semi rigid pipe 40 mm dia	51.000	Each
105	Providing and fixing 100mm Sand Cast Iron/C.P. grating for gully trap.	435.000	Each
106	Providing and fixing / replacing 600 X 450 mm bevelled / Plain edge mirror of superior glass ( of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P brass screws and washers Complete	44.000	Each
107	Providing and fixing toilet paper holder C.P. Brass	3.000	Each
108	Providing and fixing soil, waste and vent pipes: Sand cast iron S&S pipe. As per IS 1729		
108.01	a) 100mm dia	2.000	Metre
108.02	b) 75mm dia	2.000	Metre
109	Providing and fixing plain bend of required degree 100mm Sand cast iron S&S as per IS 1729	3.000	Each
110	Providing and fixing Cast iron trap of self cleansing design with Sand Cast iron screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors:		
110.01	100mm inlet and 75mm outlet Sand cast iron S&S as per IS 1729	9.000	Each
111	Providing & fixing PTMT shelf 440 mm long,124 mm width and 36 mm height of approved quality and colour,weighing not less than 300gms	28.000	Each
112	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. (internal work) :Exposed on wall		
112.01	a) 15mm nominal bore.	490.000	Metre
112.02	b) 20mm nominal bore.	135.000	Metre
112.03	c) 25mm nominal bore	58.000	Metre
112.04	d) 32mm nominal bore	3.000	Metre

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
112.05	e) 40mm nominal bore	3.000	Metre
112.06	f) 50mm dia nominal bore	2.000	Metre
113	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. (external work).		
113.01	a) 15mm nominal bore.	85.000	Metre
113.02	b) 20mm nominal bore.	175.000	Metre
113.03	c) 25mm nominal bore	11.000	Metre
113.04	d) 32mm nominal bore	3.000	Metre
113.05	e) 40mm nominal bore	5.000	Metre
113.06	f) 50mm dia nominal bore	5.000	Metre
114	Providing and fixing brass bib cock of approved quality : 15mm nominal bore.	180.000	Each
115	Providing and fixing brass stop cock of approved quality :		
115.01	a) 15mm nominal bore.	110.000	Each
115.02	b) 20mm nominal bore.	12.000	Each
116	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screw end) :		
116.01	a) 20 mm nominal bore.	25.000	Each
116.02	b) 25 mm nominal bore.	20.000	Each
116.03	c) 40 mm nominal bore.	2.000	Each
116.04	d) 50 mm nominal bore.	2.000	Each
117	Providing and fixing ball valve (Brass) of approved quality complete : High or low pressure with plastic floats		
117.01	15mm nominal bore	234.000	Each
118	Providing and fixing unplasticised P.V.C. connection pipe with brass unions :45 Cm length - 15 mm nominal bore	427.000	Each
119	Providing and fixing C.P. Brass shower rose with 15 or 20mm inlet : 100mm diameter.	5.000	Each
120	Providing lead caulked joints to spun iron pipes and specials including testing of joints but excluding the cost of pig lead. 150mm diameter pipe	6.000	Each
121	Supply pig lead / Lead Wool at site of work.	40.000	Kg
122	Painting G.I.pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality:		
122.01	a) 40mm diameter pipe.	2.000	Metre
122.02	b) 50mm diameter pipe.	2.000	Metre
123	Providing and filling sand ( fine sand) of grading zone v orcoarser grade around the G.I. Pipes in external work.		
123.01	a) 40mm diameter pipe.	2.000	Metre
123.02	b) 50mm diameter pipe.	2.000	Metre
124	Providing and fixing C.P.Brass bib cock of approved quality conforming to IS8931, 15 mm nominal bore	7.000	Each
125	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. 15 mm nominal bore	6.000	Each
126	Cutting holes upto 30x30cm in walls including making good the same:		
126.01	With Common Burnt Clay F.P.S.( Non Modular ) Bricks.	41.000	Each
127	Cutting holes upto 15cm x 15cm in R.C.C.floors and roofs for passing drain pipe etc. and repairing the holes after insertion of drain pipe etc. with cement concrete 1:2:4 ( 1 cement:2 coarse sand:4 graded stone aggregate 20mm nominal size) including finishing complete so as to make it leak proof.	4.000	Each
128	Making chase upto 7.5 X 7.5 cm in walls including making good and finishing with matching surface after housing pipes etc.	22.000	Metre
129	Dry stone pitching 22.5 cm thick laid in courses and required profile with hammer dresses stone having no side less than 15 cm with minimum depth of 20 cm including preparing the bedding surface etc all complete (Payment for stone to be made seperatly)	2.000	SqM
130	Providing and fixing PTMT bib cock of approved quality and colour 15 mm nominal bore,86 mm long,weighing not less than 88gms	250.000	Each

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
131	Providing and fixing PTMT stop cock of approved quality and colour 15 mm nominal bore,86 mm long,weighing not less than 88gms	115.000	Each
132	Providing and fixing PTMT pillar cock of approved quality and colour 15 mm nominal bore,107 mm long,weighing not less than 110 gms	45.000	Each
133	Providing and fixing PTMT grating of approved quality and colour Circular type 100 mm nominal dia	2.000	Each
134	Providing & fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./H.P.H.D. plastic ball 15 mm nominal bore,105 mm long,weighing not less than 138 gms	175.000	Each
135	Providing & fixing PTMT swivelling shower,15 mm nominal bore, weighing not less than 40 gms	41.000	Each
136	Providing & fixing unplasticised PVC connection pipe with PTMT nuts, collar and bush of approved quality and colour 15 mm nominal bore with 45 cm length	130.000	Each
137	Providing, laying & jointing glazed stoneware pipe class SP - 1 with stiff mixture of cement mortar in the proportion of 1:1(1 cement:1 fine sand) including testing of joints etc. complete: 100 mm dia	2.000	Metre
138	Providing and laying cement concrete 1:5:10(1 cement:5 Coarse sand:10 graded stone aggregate 40mm nominal size) around S.W.pipes including bed concrete as per standard desing: 100mm diameter S.W.pipe.	2.000	Metre
139	Constructing brick masonry manhole in cement mortar 1:4 (1 cement:4 coarse sand) R.C.C. top slab with 1:2:4mix (1 cement:2 coarse sand:4 graded stone aggregate 20 mm nominal size), coarse sand:4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement:4 coarse sand:8 graded stone aggregate 40 mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement:3 coarse sand):Finished with floating coatof neat cement and making channels in cement concrete 1:2:4 (1cement:2 coarse sand:4graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design:		
139.01	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (Light duty) 455x610 mm internal dimensions total weight of cover andframe to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg). With F.R.S. bricks.	2.000	Each
140	Providing & fixing square mouth S.W. gully trapclass SP -1 complete withC.I. Grating brick masonry chamber with water tight CI cover with frameof 300X300 mm size (inside) the weight of cover to be not less than 4.50kg and frame to be not less than 2.70 kg as per standard design		
140.01	100X100 mm size P Type with Common burnt clay FPS ( Non Modular) bricks of class designation 7.5	2.000	Each
141	Providing and fixing anodised aluminium work for doors, windows, ventilators and partitions with extruded built up standrad tublar section /Z section and other sections of approved make confirming to section /Z section and other sections of approved make confirming to shade according to IS:1868.(Minium anodic coating of grade AC 15) fixed withdash fastners of required dia and size including necessary filling up the gaps at junctions at top,bottom and sides with filling up the gaps at junctions at top,bottom and sides with required EDPM rubber/ PVC /neoprene felt etc. Aluminium sections shall be smooth, rust free, straight mitred and jointed mechanically wherever required including cleat angle,Aluminium snap beading for glazing/panelling C.P. brass/stainless steel screws all complete as per Architectural drawings and the directions of Engineer- in- charge. (Glazing , panelling and dash fasteners to be paid for separately)		

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
141.01	a) For fixed portion.	250.000	Kg
141.02	b) For shutters of doors, windows and ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of EDPM Rubber/neoprene gasket required ( Fittings shall be paid separately)	170.000	Kg
142	Providing and fixing glazing in aluminium door,window, ventilator shutters and partitions etc. with EDPM Rubber/neoprene gasket etc. complete as per the structural drawings and the direction of Engineer-in-charge. (cost of aluminium snap beading shall be paid in basic item.)		
142.01	a) With float glass panes 4 mm thickness	5.000	SqM
142.02	b) With float glass panes of 5.50mm thickness	27.000	SqM
143.1	Providing and fixing double action hydraulic floorspring of Providing and fixing double action hydraulic floorspring of approved brand and manufacture IS : 6315 ,having brand log embossed on the body/plate with double spring mechanism and door weight up to 125 kg for doors including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and coverplates with brass pivot and single piece M.S. Sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.		
143.01	With Stainless Steel cover plate minimum 1.25 mm thickness	15.000	Each
143.02	Providing and fixing 12 mm thick frameless toughened glass doorshutter /shelf etc of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge	6.000	SqM
144	Grading roof for water proofing treatment with		
144.01	a) Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	3.000	CuM
144.02	b) Cement mortar 1:3 (1 cement : 3 coarse sand)	2.000	CuM
145	Providing & laying in situ five courses of water proofing treatment with APP (Atactic Polypropylene) modified Polymeric membrane membrane APP (Atactic Polypropylene) modified Polymeric membrane membrane sqm, 2nd & 4th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS:702, 3rd layer of membrane APP Modified Polymeric memberane IS:702, 3rd layer of membrane APP Modified Polymeric memberane 2.0mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as 100 micron (min.) HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film. 5th, the top most layer shall be finished with brick tiles of class esignated 10 grouted with cement mortar 1:3( 1 Cement : 3 Fine Sand) finished neat ( Item of Laying Bricks tiles shall be paid for seperately)	3.000	SqM
146	<b>NON - SCHEDULE ITEMS ( OPERATIONAL ITEMS ) : CARPENTRY WORKS</b>		
146.01	Petty repairs to door / window by repairing the wooden parts / wire mesh /tightening of screws,edge-straightening / wiremesh tightening / adjusting the fittings and hinges as the case may be, etc. for smooth operation of the shutters complete as per site requirement. (Payment shall be made for each door or Window irrespective of no of shutters.)	4450.000	Each
147	Replacement/fixing / refixing door/window shutter including removing oldshutterand fittings wherever required, refixing of old fittings to the new shutter, adjusting theshuttter by cutting, planing / easing / oiling for smooth functioning complete. (Payment shall be made for each door / window irrespective of the the Nos. of shutters)	276.000	Each

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
148	Providing and fixing galvanized M.S. Wire gauze of average width of aperture 1.4mm with wire of 0.63mm dia to door/window etc. complete including taking out the old wire gauge and providing new nails, wooden beading wherever necessary.	670.000	SqM
149	Removing/ Replacing the old chowkhat with new chowkhat and removing & refixing the old / removed shutters from the old chowkhat to the new chowkhat with new screws / hinges by welding M.S. hinges where necessary and repairing the jambs and reveals with cement mortar 1:4 (1 Cement : 4 Fine Sand) complete in all respects including Providing and laying cement concrete for hold fasts embedding in cement concrete blocks of 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size). (Cost of woodwork /steel work for new chowkhats, shall be paid separately under relevant items.)		
149.01	a) Door	29.000	Each
149.02	b) Window	22.000	Each
149.03	c) Ventilator	7.000	Each
150	Providing and fixing aluminium glass shelf with aluminium frame and 4 mm thick glass of rounded edges complete fixed to wooden cleats with screws.		
150.01	a) 450 x 120 mm	2.000	Each
150.02	b) 600 x 120 mm	4.000	Each
151	Providing and fixing glass of 4 mm thick for glass shelf with rounded edges.		
151.01	a) 450 x 120 mm	6.000	Each
151.02	b) 600 x 120 mm	6.000	Each
152	Fixing / Re-fixing of Glass Shelf / Looking Mirror / Towel Rail like fittings / fixtures / frames by providing wooden pegs (Gitties) / Plastic pegs (Rawl Plugs) with nails / Screws	105.000	Each
153	Providing and fixing in position 5.5 mm thick (approx.) wired glass of approved make with all accessories in the existing openings at all heights in the plant and non plant buildings including all safety equipments and scaffolding etc., if required.		
153.01	With old Glass supplied by NFL free of cost.	2.000	SqM
153.02	With Glass supplied by Contractor.	2.000	SqM
154	Providing and fixing in position toughened/Shatter proof glass of approved make with all accessories in the existing openings at all heights in the plant and non plant buildings including all safety equipments and scaffolding etc., if required.		
154.01	a) 5 mm thick glass	2.000	SqM
154.02	b) 8 mm thick glass	2.000	SqM
155	Shifting, removing, fixing of A.C cabinet / frame/coolar at the required location with old available wood of all types of buildings including removing / refixing the window shutters etc. wherever required required complete.		
155.01	a) Ground floor.	55.000	Each
155.02	b) First floor.	17.000	Each
155.03	c) Ground floor to first floor or first floor to ground floor.	2.000	Each
156	Fixing of safety locks in the doors of residential / non-residential buildings including fixing of hooks by screwing in wooden chowkhats/welding of hooks in steel chowkhats. (Safety locks, nuts, bolt screws and hooks shall be supplied free of charge)	51.000	Each
157	Repair of hydraulic door closer by tightening/loosening the main stud etc. complete.	36.000	Each
158	Providing and fixing bright finished or/and black enamelled/ C.I. helical door spring RITZ make 555 / 333 or equivalent or P & F CI Coil Spring	145.000	Each
159	Providing and fixing wooden cleats / stoppers or like for door / windows of size upto 100 x 50 x 40 mm including cost of necessary hinge and screws wherever reqd.	21.000	Each

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
160	Fixing the existing wooden pelmets / Curtain Rods on old pegs / by providing new wooden pegs / plastic pegs ( Rawl plugs) with necessary nails / screws	104.000	Each
161	Providing and fixing wooden brackets of 2nd class Kail / Deodar / Hollack wood or like for cupboards/curtain rods of existing pattern with wooden pegs / rawlplugs, nails screws etc.(Set of 2 brackets)	113.000	Each Set
162	Providing and fixing M.S. oxidized staple only for aldrop/ sliding door bolt/safety hasp & staple.	16.000	Each
163	Providing 25 X 25 X 25 mm 2nd class kail/deodar/hollock wood/ PVC plug including cutting brick work and fixing in cement mortar 1:3 (1 cement:3 fine sand) and making good walls etc. (Wood required for making plugs /stoppers pegs etc. may be collected from the available wooden scrap free of charge)	24.000	Each
164	Providing and fixing M.S. handles for steel windows 100mm size weight not less than 80 grams	31.000	Each
165	Providing and fixing towel rail complete with brackets fixed to wooden cleats with C.P.Brass screws. : C.P.Brass towel rail with two C.P.brass brackets 600*20 mm size	6.000	Each
166	Providing & Fixing 2mm thick rubber strip to doors upto 75mm wide including fixing with 20mm wide Aluminium strip and Nails Screws Complete	10.000	Metre
167	Providing wood work in frames of doors, windows clerestory windows and other frames, wrought framed and fixed in position : Red marndi( Without Kiln Seasoning & Chemical Treatment)	1.500	CuM
168	Providing wood work in frames of false ceiling, partitions etc. sawn and put up in position: rate same as door frame Red Marndi wood. (Without Kiln Seasoning & Chemical Treatment) <b>Note for Item No.169 to 171 :- Existing shutters shall be removed from site, returned to Civil Office Yard and nothing shall be paid for this work.</b>	1.500	CuM
169	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled/ bright finished M.S. butt hinges with necessary screws including panelling with second class Red Marandi wood or 12mm thick water proof ply complete.		
169.01	a) Red Marndi wood - 35 mm thick.(Without Kiln Seasoning & Chemical Treatment)	118.000	SqM
169.02	b) Red Marndi wood - 30 mm thick.(Without Kiln Seasoning & Chemical Treatment)	14.000	SqM
170	Providing and fixing glazed shutters for doors, windows & clerestory windows using 4 mm thick glass panes including ISI marked M.S.butt hinges bright finished of required size with necessary screws.		
170.01	Red Marndi wood - 30 mm thick.(Without Kiln Seasoning & Chemical Treatment)	132.000	SqM
171	Providing and fixing wire gauze shutters for doors, windows and clerestory windows using galvanised M.S.wire gauge of average width of aperture 1.4mm with wire of dia of 0.63mm including ISI marked bright finished or/and black enamelled M. S. butt hinges with necessary screws.		
171.01	a) Red Marndi wood - 35 mm thick.(Without Kiln Seasoning & Chemical Treatment)	60.000	SqM
171.02	b) Red Marndi wood - 30 mm thick.(Without Kiln Seasoning & Chemical Treatment)	45.000	SqM
172	<b>PLUMBERY WORKS</b>		
172.01	Providing and fixing CP brass pillar cock of 15 mm nominal bore.	20.000	Each
173	Providing and fixing / replacing SWAN NECK CP brass pillar cock of 15 mm nominal bore for Laboratory Sinks.		
173.01	i) 3 Way Outlet	2.000	Each

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
174	Repair of Brass / CP / PTMT Bib cock/Stop cock by providing & replacing leather/ PVC washer/ Jumper Valve. for : 15 mm nominal bore	4020.000	Each
175	Repair of Brass / CP / PTMT Pillar cock / Bib cock / Stop Cock etc. by providing & replacing standard brass face with washers for : 15 mm nominal bore	606.000	Each
176	Repairs and rectifications of Low Level / high level Flushuing Cistern by providing & fixing / replacing spare parts for non- leakages and smooth functioning of the Cistern as under :		
176.01	a) PVC siphon set complete	63.000	Each
176.02	b) Set of rubber washers.	12.000	Each
176.03	c) PVC Knob / Handle with washers.	115.000	Each
176.04	d) Brass Rod for Ball Cock of 15 mm nominal bore	2.000	Each
176.05	e) PVC Float Ball for Ball Cock of 15 mm nominal bore	2.000	Each
176.06	f) G.I.Flush Pipe 32 mm diameter complete including cutting and making good the walls and floors wherever required	5.000	Each
176.07	g) Brass Check Nut for Flush pipe of 32 mm dia	2.000	Each
176.08	h) By adjusting Syphon / Ball Cock / Lever Arm / Float ball	850.000	Each
177	Providing and fixing G.I. chain with G.I. pull.	2.000	Each
178	Providing & fixing PVC syphon set for 5 to 15 ltr CI automatic flushing cistern.	2.000	Each
179	Providing and fixing C.P.Brass close hole basin mixer pillar tap of approved quality and make weighing not less than 1970 Grms. : 15mm nominal bore of standered back type	2.000	Each
180	Providing and fixing / Replacing CI / PVC (Heavy duty), P or S Trap for WC seatof size 75-100 mm with necessary material including dismantalling the old damaed piece.	6.000	Each
181	Providing and fixing C.P. brass waste for sink or wash basin		
181.01	a) 32 mm dia	116.000	Each
181.02	b) 40 mm dia	25.000	Each
182	Providing and fixing C.P. brass waste for stainless steel kitchen sink of size upto 75 X 40 mm with rubber gasket etc. complete set.	30.000	Each
183	Providing and fixing GI fittings such as Clamp, Plug, Nipple (upto 200 mm long), elbow, tee, socket, union, reducer etc.		
183.01	a) For 15 mm nominal bore G.I. pipe line.	2140.000	Each
183.02	b) For 20 mm nominal bore G.I. pipe line.	325.000	Each
183.03	c) For 25 mm nominal bore G.I. pipe line.	130.000	Each
183.04	d) For 32 mm nominal bore G.I. pipe line.	8.000	Each
183.05	e) For 40 mm nominal bore G.I. pipe line.	14.000	Each
184	Fixing of G.I.Pipe lines issued free by NFL (Necessary fittings wherever required to be fixed in laying the pipes shall be arrangedby the contractor which shall be paid for separately. Excavation, Cutting chase in walls / floors wherever required shall also be paid separately) Internal / external work		
184.01	a) 15 mm nominal bore	23.000	Metre
184.02	b) 20 mm nominal bore	16.000	Metre
184.03	c) 25 mm nominal bore	2.000	Metre
185	Providing and fixing / replacing drain pipe of Sinks / Wash Basins consisting of GI reducer/GI socket and pipe of length 0.6 to 0.8 mtr.		
185.01	a) 32 mm nominal bore	2.000	Each
185.02	b) 40 mm nominal bore	2.000	Each
186	Removing chocking of G.I. Distribution line by unscrewing the pipes, removing the chocking by cleaning the pipes and refixing the same :		
186.01	a) 15 mm nominal bore	28.000	Metre
186.02	b) 20 mm nominal bore	33.000	Metre
187	Dismantling geyser of any capacity and closing the water supply linewith necessary plugs and depositing the geyser as per the instructions of Engineer-in-Incharge.	6.000	Each

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
188	Fixing the geyser upto any litres capacity with necessary pegs and nut bolts and providing water connection from the nearby water line (The fittings like GI nipples, stop cock, GI pipe will be paid separately)	12.000	Each
189	Providing and fixing Copper or lead connection pipe with brass unions for Gysers		
189.01	a) 15 mm nominal bore , 450 mm long	7.000	Each
189.02	b) 15 mm nominal bore , 600 mm long	11.000	Each
190	<b>MASONARY WORKS</b>		
190.01	Brick work with available old bricks in Cement Mortar 1 : 6 ( 1 Cement : 6 Fine sand ) , including cleaning i.e.removing mortar from the bricks : In Foundation & Plinth	9.000	CuM
191	Brick work with available old bricks in Cement Mortar 1 : 6 ( 1 Cement : 6 Fine sand ) , including cleaning i.e.removing mortar from the bricks : In Superstructure upto floor V level	3.000	CuM
192	Providing & laying Flat brick flooring with / without herring bone bond including cement slurry complete in cement mortar 1:4 ( 1 Cement : 4 FineSand ) with bricks of class designation 75.	20.000	SqM
193	Brick on edge flooring with / without herring bone bond, with available old Bricks includingcement slurry and cleaning of bricks complete in cementmortar 1:4 ( 1 Cement : 4 fine Sand)	11.000	SqM
194	Extra for brick flooring laid diagonal herring bone bond or other pattern as specified.	2.000	SqM
195	Cement concrete flooring 1:2:4 ( 1 cement:2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry,but excluding the cost of nosing of steps etc.complete.		
195.01	a) 25mm thick with 12.5mm nominal size stone aggregate.	7.000	SqM
195.02	b) 50mm thick with 20mm nominal size stone aggregate.	32.000	SqM
196	Marble chips plastering over kitchen platforms rubbed and polished to granolithic finish, top layer 6 mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4 mm nominal size laid in cement marble powder mix 3:1 ( 3 cement : 1 marble powder) by weight in proportion of 4:7 ( 4 cement marble powder mix : 7 marble chips) by volume : 18 mm thick with under layer 12 mm thick in cement plaster 1:3 ( 1 cement : 3 coarse sand) :		
196.01	Ordinary cement without any pigment.	3.000	SqM
197	Providing and fixing homogeneous Polyvinyl chloride sheet/tile in flooring and skirting in approved pattern on a smooth and damp proof base using rubber based adhesive of approved quality and manufacturer like dunlop S- 758,fevicol SR 998 or equivalent including rolling with light wooden roller weighing about 5 kg. all complete as directed by the Engineer-in-charge in approved colour and shade.		
197.01	2.0mm thick tile. / Sheet	27.000	SqM
198	Making small bands ( Bannies ) of size upto 50 x 30 mm and upto 1200 mm long with cementmortar 1 :4 ( 1 Cement : 4 Coarse Sand ) near any door entrance	518.000	Each
199	Repairs to RCC chhajjas of all sizes and thickness including dismantling the damaged portion and redoing the same with cement concrete/ cement mortar, scaffolding, centering, shuttering and finishing complete ( Bottom Size of Chhaja to be measured for payment. Cement consumption shall be 0.10 Quintal / Each Chhaja)	264.000	Each
200	Rectification of seepage from WC, Floor trap etc. including required demolishing of floor, brick walls etc. and making good the same in original condition to make it leak proof. Other items i.e. Sanitary installations shall be paid separately if required. (1/3 bag cement consumption).	102.000	Each



S. No.	DESCRIPTION OF ITEM	Quantity	Unit
201	Supplying and mixing Sodium Carbonate (Washing Soda) with Cement / Cement mortar / Cement Concrete in the ratio as per site requirement for emergent repairs, as per the instruction of Engineer-in-charge	11.000	Kg
202	<b>ROOFING WORKS</b>		
202.01	Providing and fixing plain Polypropylene reinforced cement sheet Ceiling of approved quality with necessary nails etc. complete (Frame work to be paid seperately) 6mm thick.	24.000	SqM
203	Providing & fixing 2 mm thick transulation/Poly carbonate sheets roofing and fixing withpolymer coated J or L hooks bolts and nuts 8 mm dia G.I.plain and bitumen washers completeexcluding the cost of purlins, rafters and trusses:Corrugated / Plain sheets at all heights Upto 60 degree pitch or on vertical position		
203.01	Upto 60 degree pitch or on vertical position	305.000	SqM
204	Fixing Plain / corrugated GI / AC / FRP / Aluminium etc. sheets at all heights by removing the existing sheets if necessary (only FRP /GI /AC /Aluminium / sheets shall be supplied by department free of cost). Hooks with nuts & bitumen / limpet washers, if required, shall be arranged by Contractor atthis cost without any extra claim.	500.000	SqM
205	Repair of cracked AC sheets in patches (area of single patch not exceeding 0.50 Sq.M ) by fixing old AC Sheet pieces by providing and applying sealing compound wherever required at all heights etc. complete	61.000	Each
206	Providing and fixing 6mm ACC sheet louver ( 1.25 X 1.05 M ) in CoolingTower including filling the side joints (Adhesive compound and SS Waherrs nails etc. shall be supplied free by NFL wherever required.)	1.000	SqM
207	Providing and fixing 6mm ACC sheet louver upto 350 mm wide, with overlapping upto 200 mm, on the sides of Blower Houses, Compressor Houses or at any other location including replacement of existing double threaded steel studs of 8 mm dia of required length with wahers & nuts etc. complete in all respect.	90.000	Metre
208	Providing & Fixing / replacing 8 mm dia double threaded steel studs upto 350 mm length with 4 Nos. nuts & washers (Complete Set) for ACC louvers of Blower House / Compressor Houses or at any other location	20.000	Each
209	Providing and fixing / replacing with polymer coated 'J' or 'L' hooks of required size ( 8 mm Dia) with bitumen / Limpet washers in existing or New ACC / CGI / FRP /Aluminium / RMP sheet roofing in place of GI hooks, at all heights.	116.000	Each
210	Cleaning and removing chocking form gutters, including removal of debries up to ground, tightening the nuts andbolts and or providing new nutsand bolts washers etc. after removing the old/ damaged nuts/ bolts washers etc. to thesupports of gutters.		
210.01	AC/GI or any make gutters of any size at any height	800.000	Metre
211	Removal of choking in CI / AC rain water pipe, after dismantling the CI / AC bend wherever required and replacngby new one if required and making good the wall / khurraetc. (bend if provided will be paid seperately).	42.000	Each
212	Providing and fixing on wall face unplasticised PVC (Working pressure 4 Kg per sqcm) rain water pipes confirming to IS:4965 including jointing with sealring confirming to IS:5382 leaving 10 mm gap for thermal expansion.		
212.01	160 mm diameter.	40.000	Metre
213	Providing and fixing on wall face unplasticised PVC moulded fittings/accessories for unplasticised PVC rain water pipes confirming to IS: 4965 including jointing with seal ring confirming to IS:5382 leaving 10 mm gap for t hermal expansion.		
213.01	Coupler 160mm : Coupler / Bend / Shoe	5.000	Each

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
214	Providing & fixing water proof ply on/around fan hoods of cooling/stipping towers or on any portion interior/exterior of the said structure or anywhere in the plant area / Township Area,with necessary nails/scews including fixing the ply wood in the shape as per site requirement complete.		
214.01	a) 12mm thick marrine / water proof ply	2.000	SqM
214.02	b) 9 mm thick marrine / water proof ply	2.000	SqM
214.03	c) 6 mm thick Commercial Ply	345.000	SqM
214.04	d) 3mm to 4mm thick commercial ply	11.000	SqM
214.05	e) 3mm to 4 mm thick teak ply	6.000	SqM
215	Labour charges for fixing old available water proof ply / commercial ply in cooling/stipping towers at various height or on any portion in cooling/stipping towers at various height or on any portion interior/exterior of the said structure or any where in the plant / Township area with necessary nails / scews including fixing the ply wood in the shape as per site requirement (payment for actual ply wood area shall be made)		
215.01	a) 12mm / 9 mm thick	2.000	SqM
215.02	b) 6mm / 4mm thick	6.000	SqM
216	<b>MISCELLANEOUS WORKS</b>		
216.01	Repair of rolling shutters including setting the dislocated M.S.strips by welding strengthening guides, embedding the lugs in wall,oiling and greasing complete by making rolling shutter perfectly operable (Spare parts shall be paid separately).	7.000	Each
217	Repair of collapsible & steel gates by providing necessary accessories like nuts, bolts washers etc including streightning / welding / rivetting greasing bottom and top channel and making the shutter operational .	103.000	Each
218	Fixing / tightning or Repairing IRC, BRC fabric / expanded metal jali / Chain Link Fencing with necessary nails / revets / steel wirefor tightning etc. on wood or steel work (Fabric/Jali, Chain link fencing etc. for replacement shall be supplied free by NFL)	14.000	SqM
219	Fixing tightening and repairing of six/nine rows of barbed wirefencing having diagonals. Linear measurement only be paid.( on Ground or at top of Boundry walls)		
219.01	a) Six rows / Fencing on top of Boundry Wall	800.000	Metre
219.02	b) Nine rows / 'Y' fencing at top of boundry wall	310.000	Metre
219.03	c) Extra charges for providing new MS barbed wire at missing locations / replacing the old damaged barbed wire ( Weight of Barbed wire to be considered as 9.38 Kg/ 100M)	330.000	Kg
220	Cutting of grills of windows for fixing of A.C. / Desert Coolers or fixing of available grills in the existing openings or windows with nails/ screws and/or welding the available pieces of M.S.rods/ flats complete.	34.000	Each
221	Repair/maintenane of Aluminium doors in control rooms or other places at all heights including replacement of cap Washers of hinges, oil seals of floor doorsprings, greasing fixing of damaged / missing rubber/neoprene Gasket etc. replacement of damaged / missing aluminium sanp beeding,removal and installation of shutters if required to make it in good working condition complete in all respects as per the direction of Engr-in-charge( Rubber/neoprene gasket and Aluminium snap beeding shall be paid seperately, but nothing extra shall be paid for the minor replacements.)	51.000	Each

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
222	Tracing and plugging of leakage point in underground pipe lines of GI/MS/CI/RCC/SW pipes etc.by providing and fixing wooden plugs, MSsockets/Cement mortar joints etc. and with necessary welding as per site requirement. (Dismantling of RCC/WBM /Premix, excavation, and mass cement concrete including installation of pump for dewatering &making good the surface by back filling and compaction etc. shall be paid separately in relevant items of schedule). Electricity for welding shall be supplied free of cost, if required.		
222.01	a) For dia of pipe upto 100 mm	16.000	Each
222.02	b) For dia of pipe from 101 mm to 300 mm	21.000	Each
222.03	c) For dia of pipe from 301 mm & Above	2.000	Each
223	Cleaning of storm water/open surface kutch/pucca drains, Channels and culvert by removing grass, vegetation, slush mud, rubbish, brick bats, thermocoal, aggregate, rotten cloth,pieces of bamboo/ballies, empty drums,precast slabs, etc.and transporting the same upto a lead of one K.M. ( i.e anywhere within the plant or Township ) in a low lying areas and exposing pucca surface of the drains neatly as per instructions of Engineer-in-Charge.If depth of silt / ash / carbon is more than 0.3M the cleaning will be paid in Cu.M under respective item of SOQ		
223.01	a) For depth of drain upto 500 mm	1000.000	Metre
223.02	b) For depth of drain from 501 mm to 1000 mm	2501.000	Metre
223.03	c) For depth of drain above 1000 mm	3.000	Metre
224	Cleaning of silt / Muck / sludge from the drains / intake raw waterchannel /or any other drain / channel with all lifts, and dumping the same upto a lead of 50 Metres as per site requirement.	2.000	CuM
225	Excavation of dry / deposited Ash / Carbon in trenches, drains or in open areas Including lift upto 1.5 mtr. and farest dressing the area complete With a lead upto 100 Metres	15.000	CuM
226	Carriage and Filling in plinth with sand / Ash under floors including, watering, ramming, consolidating addressing complete with in NFL permisses( Sand/Ash shall be supplied by NFL free of cost)	3.000	CuM
227	Cleaning of overhead tanks on top of roof of Residential / Public buildings including draining out water, removal of algi, cleaningof sides and bottom of the tank complete.	22.000	Each
228	Hiring charges for arranging dewatering diesel pump with necessary suction and delivery pipes for dewatering any type ofwater through broken water mains etc. including operator. (payment for full day i.e. 8 hours shall be made for the 1st day. Subsequently , payment for the same shall be made on hourlybasis for which the pump is run/operated for particular job. Diesel isto be arranged by the Contractor at his own cost ). Pump of capacity 5 H.P.(minimum) with suction / delivery of 50mm dia(minimum).	82.000	Working Day
229	Hiring charges for welding set with one welder, welding rods andleads for doing any petty welding job (with free electricity connectionand power) (payment for full day i.e. 8 hours shall be made for the1st day. Subsequently , payment for the same shall be made onhourly basis for which the welding set is run/operated for particularjob. to be arranged by the Contractor at his own cost ). Fuse boxand switch starter with covered stand shall bearranged by Contractor.	40.000	Working Day
230	Hiring charges for tractor with Operator, Diesel / Oil and accessories like Plougher / Harrower / Trolley, etc. for ploughing /harrowing the ground (Payment shall be made for working hours only)	700.000	Per Hour

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
231	Hiring charges for JCB ( Mechanical Excavator ) with Operator, Diesel / Oil for urgent excavation / dozing (payment for full day i.e. 8 hours shall be made for the 1st day. Subsequently, payment for the same shall be made on hourly basis for which JCB is run/operated for particular job. to be arranged by the Contractor at his own cost ).	70.000	Working Day
232	Removing RCC precast slabs/ greating covers for repairing / cleaning of drains/cable trenches and replacing the same in position as if required as per direction of Engineer-in-Charge.		
232.01	a) Slabs of span upto 0.50 Metre	90.000	Each
232.02	b) Slabs of span upto 1.00 Metre	510.000	Each
232.03	c) Slabs of span upto 2.00 Metre or more	171.000	Each
233	Grinding the existing Marble stones / Mosaic floors, skirting, dados, platform, or any other area manually or by machines including finishing, polishing complete ( The grinding stone, machine, polish & detergents will be arranged by the contractor at his cost		
233.01	Ordinary finish / Diamond Finish	140.000	SqM
234	Providing, embedding and fixing small pieces of broken glass in Cement mortar 1 : 3 on top of Boundary wall to its entire width (Glass pieces to be collected from scrap . Cement Mortar shall be paid separately under respective item of SOQ.)	2.000	Metre
235	Supplying empty cement bags filled with earth / Ash and placing in position including all lifts and leads in or under water (Available earth / Ash from near by location shall be used)	4001.000	Each
236	Cutting / uprooting / removal of breedings of peepal trees/ or any other saplings / breedings from top of roof/side walls or any other area and disposal of the same	2150.000	Each
237	Providing & Fixing Sun Control Film ( Garware or equivalent make) in required shade and colour including cleaning etc. complete on window / door / partition glass panes.	6.000	SqM
238	Jointing old bricks work in F.P.S. system with new brick work in cement mortar 1:4 (1 cement: 4 coarse sand ) in metric system.	3.000	SqM
239	Execution of any job non-susceptible to measurement which includes all minor consumable material, tools and tackles and the payment shall be on basis of working hours (Major consumable / material shall be supplied by NFL and the decision of the Engineer-in-Charge in this regard shall be final.)		
239.01	a) Skilled (Mason / Carpenter / Plumber / Technician etc.)	5000.000	Per Hour
239.02	b) Unskilled.	16500.000	Per Hour
240	White washing / painting of trees with lime/exterior emulsion with one or more coats upto 1 meter height and girth upto 0.75 meter.		
240.01	a) With lime wash	1430.000	Each
240.02	b) With Apex or equivalent exterior paint as approved by Engr in charge	520.000	Each
241	Painting the flower pots of all sizes with readymix / enamel paint in all shades to give a smooth finish : Old or New Pots	110.000	Each
242	Painting the flower pots of all sizes with exterior emulsion paint in all shades : Old or New pots	410.000	Each
243	Making arrangements for preparation of ground, stage, approach path etc for various functions by : Painting the Flag Post, Flag stage, welcome gates, cemented kerbs on the berms of welcome gates, Structural poles & Chains, with one coat of enamel paint of required shade, transporting the poles / chains / other materials from NFL's stores to site of work, fixing the poles by excavating holes, marking the lines with lime around the stage, spreading sand on the approach path of stage, Dismantling of the posts & Chains after the function and depositing the same in NFL's store complete	3.000	Each Job

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
244	Laying Brick Teeth Edging with available brick by laying the dry bricks one over the other at an angle of approx. 30 deg. Including necessary excavation,backfilling, spreading the surplus earth, and providing required no. of coats with white wash complete. ( Bricks shall be supplied free by NFL)	70.000	Metre
245	Supplying of different materials at site for organising the official functions / ceremonies / emergent repairs etc. :		
245.01	a) White lime	2000.000	Kg
245.02	b) Surkhi ( GERU )	71.000	Kg
<b>245.03</b>	c) 2nd Class bricks ( Class designation 50)	1500.000	Each
245.04	d) Dam-it of M/s STP Make	3.000	Kg
245.05	e) Sealing Compound of M/s STP	3.000	Kg
245.06	f) Self Adhesive Flash Strip size 10 Mtr. X 100 mm of M/s STP	11.000	Each
245.07	g) Rolling shutter sopring -27.5 Cm long wire spring grade no 2	4.000	Each
246	Hacking R.C.C./P.C.C. surface for roughening to get a good bond including disposal of rubbish (Any where in NFL Complex)	60.000	SqM
247	Chipping of plain cement concrete or R.C.C. upto 10 mm depth on floors, walls, roofs, columns pillars for exposing reinforcement or for roughening the area at all heights and depths.	16.000	SqM
248	Making pockets in R.C.C. or P.C.C. upto 200 mm depth/with size of pockets upto 150x150 mm on vertical / Horizontal surfaces at all heights & depths complete including making good wherever required.	26.000	Each
249	Making pockets, in bricks work in cement mortar, upto 200 mm depth with size of pocket upto 200x200 mm on vertical / Horizontal surface at all heights & depth complete including making good wherever required.	31.000	Each
250	Providing and fixing / replacing following fittings / fixtures of Aluminium Doors / Windows :		
250.01	a) Aluminium Snap Beading	201.000	Metre
250.02	b) Rubber Gaskets	41.000	Metre
251	Surveillance of old ash ponds near Factory Areas, by keeping watch and ward of the earthen dykes to safe guard them from any damage due to flow of Ash Slurry/Water in the Pond or pilferage of earth and cutting of trees etc. Patrolling of Ash Slurry line from Factory to Ponds and intimating regarding the leakages in Ash slurry lines twice a day. Surveillance shall be carried out daily from 8.00AM to 5.00 PM,	12.000	Per Month
252	Strengthening the embankment of ash ponds at village Dahar and / or old ponds on North of NFL Plant or at any location in Factory/ Township area by supplying good earth (at required location of earthen embankments of the ponds) from any lead and lift including excavation carriage, loading/unloading and royalty etc.,banking the earthen layers not exceeding 20 Cm.in depth breaking clods,watering and ramming each layer with wooden or steel rammers on top and sides of the dyke to fillup the rat / snake holes,ruts and gully formations etc. and dressing up the embankment including all leads and lifts as per the directions of engineer in charge. (The earth supplied shall be measured in stacks and shall be reduced by 20% towards voids for payment purpose.)	40.000	CuM
253	Excavation of ash with in the Ash Ponds intrenches/drains including getting out excavated Ash lift upto 1.50 Mtr.and lead upto 50 Mtr.,dressing of the excavated /disposed off ash wherever required,complete as per directions of Engineer-in-Charge	900.000	CuM
254	Extra charges for doing all types of concrete/brick work inside of coal/ urea conveyer galleries and in LSHS (Oily surface), Final Effluent Ponds/ Pump House areas, on or within ash ponds, Carbon Ponds or any other unapproachable area where head lead is more than 50 mtrs. including making proper approach by cleaning / preparation of surface etc. complete.	1.000	CuM

S. No.	DESCRIPTION OF ITEM	Quantity	Unit
255	Fine dressing of ground	6701.000	SqM
256	Fixing 1.6mm thick plain G.I. Sheet valley gutter at all heights in plant buildings with all fixtures and accessories like bitumen washers, G.I. Nuts & bolts, hooks, white lead etc.including two coat of High Build Bituminous paint over a coat of primer after replacing the old existing gutter and dismantelling of existing gutters, A.C./G.I.Sheets/PVC pipes/Wired glass and refixing the same for replacing the existing damaged gutters with new gutters, making holes for fixing mouth pieces etc. for fixing the down take rain water pipes.Necessary 150mm overlaps(Longitudinal & Cross wise) are to be provided with rubber gaskets and two layers of rivets/ nut bolts for making the joints leakproof. The work is to be executed as per direction of Engineer-in-charge.		
256.01	(The 1.6 mm thick GI sheet for fabrication of gutter shall be issued free of cost by NFL from NFL stores and all other material shall be arranged by contractor at his own cost. Nothing extra shall be paid on account of carriage of material from NFL stores to working place)	240.000	SqM
257	Operation and maintenance of Sewage / Dewatering pumps installed in TownShip Sump Pump House and Pumps installed at culvert No. 120 near Railway under bridge crossing on Township Road, for pumping out the sewage to ETP in Plant Area / effluents to Ash Ponds respectively by priming / operating the sluice valves etc , operating the dewatering pump for dewatering the leaked water from pumps & sluice valves installed in the pump house and minor maintenace of pumps and sluice valves such as oiling and greasing of pumps as per instruction of Engineer in charge. <b>SEWAGE PUMP HOUSE:</b>		
257.01	a) The operation shall be carried out between 6.00 am to 2.00 pm & 2.00pm to 10.00 pm daily.	12.000	Per Month
257.02	b) Extra for additional shift for Item No. 1 (a) Shift from 10.00 PM to 6.00 AM	24.000	Per Shift
258	<b>PUMPS INSTALLED AT CULVERT No. 120</b>		
258.01	a) The operation shall be carried out for one shifts i.e. from 8.00 am to 5.00 pm daily.	12.000	Per Month
258.02	b) Extra for additional shift for Item No. 2 (a) Shift from 5.00 PM to 8.00 AM	30.000	Per Shift
259	Providing and laying 100mm thick factory made cement concrete interlocking paver block (ISI Marked) of M -35 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50 thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	150.000	SqM
260	<b>Note: (i) Before quoting the rates, please go through the Clause No. 1.6.0 of GTC to remain the competitive bidder. (ii) GST as per GTC Clauses shall be paid extra.</b>		