

Name of work: Tender No-4/PP/ARC- CIVIL MAINTENANCE WORK./2020-(Re invite) Annual Contract for two years at Plant site/colony site for Civil maintenance work (as and when require) at 2x125 MW Akri Mota Thermal Power station at village Nanichher, Ta:Lakhat, Dist- Kutchh .

PRICE BID-I

NOTE :1. All required cement and steel (Reinforcement/Structural steel) including other materials and machineries are in Contractor's Scope.

2. All require tools, tackles, machineries , welding machine, men power etc. are in scope of contractor

3. The rate of particular item appearing in schedule or in more than one schedule shall be the same.

4. If the tenderer quotes different rates for the same item , the lowest rate amongst the quoted rates shall be considered / applicable for payment for that item.

Item No	Description	Qty for one year	Unit	Rate	Amount
	Civil Work				
1	Excavation for foundation up to 1.5 Meter depth including sorting out and stacking of useful materials and disposing of excavated stuff up to 50 Meter lead.(a) In Soil /Dence or Hard soil	100	Cmt		
2	Excavation for foundation up to 1.5 Meter depth including sorting out and stacking of useful materials and disposing of excavated stuff up to 50 Meter lead.(a) In Soil /Dence or Hard soil(for colony area)	2	Cmt		
3	Do- as per item no.2 but for 1.5 to 3.0 mt depth in soil/Dence or Hard soil.	2	Cmt		
4	Do-as per item No.2 In Soft Rock up to 1.5 meter depth	2	Cmt		
5	Do- as per item no.2 Hard Rock up to 1.5 meter depth	2	Cmt		
6	Do-as per item no. 1 to 5 for extra for disposing off the excavated stuff of above items for lead of 50 to100 mtr	2	Cmt		
7	Do-as per item no. 1 to 5 for extra for disposing off the excavated stuff of above items for lead of 50 to100 mtr - For Colony area	2	Cmt		
8	Do- as per item No. 6 for lead of 100 mt. to 200mtr	2	Cmt		
9	Do- as per item No. 6 for lead of 200 mt. to 500 mt	2	Cmt		
10	Filling in foundation and plinth with murrum or selected soil in layers of 20 cm. Thickness including watering ramming and consolidating etc. complete.	2	Cmt		
11	Do- as above for colony area	2	Cmt		
12	Filling in plinth with sand under floors including watering ramming, consolidating and dressing etc. complete.	3	Cmt		
13	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm. In depth consolidating each deposited layer by ramming and watering.	2	Cmt		
14	Providing and laying precast concrete block masonry (including quoin blocks Jamb blocks, closer etc.) with solid concrete blocks having minimum compressive strength 60 Kg/Sq cm of approved size made of cement concrete 1:3:6 mix (1cement : 3 course sand : 6 graded stone aggregates of 20 mm and down gauge) in foundation , plinth and in super structure up to 3.0mt ht. in cement mortar 1:6 in true line level and plumb including racking out joints up to 15mm depth rubbing and cleaning the surface including curing ,scaffolding etc. as directed including cost of cement. etc.as directed by EIC	45	Cmt		
15	Do- as above for For Colony area	20	Cmt		
16	Do- as above for extra for precast concrete block masonry in super structure from 3.0 mt to 15 mt height etc.as directed by EIC.	8	Cmt		
17	Do- as above for Extra for masonry work with pre-cast concrete block in super structure above 15 mt level.	4	Cmt		

18	Providing and laying Precast concrete block masonry in partition walls 10 cm thick with solid block of approved size (including quoin blocks Jamb blocks closer etc.) made of CC.1:3:6 (1-cement:3-coarse sand: 6- graded stone aggregates 20 mm and down grade) (a) in C.M. 1:4	40	smt		
19	Providing and laying Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sqcm. In foundation and plinth in super structure in cement mortar 1:5 in true line level and plumb including racking out joints , rubbing and cleaning the surface , curing ,scaffolding etc. as directed for all type of structure including cost of cement. etc.as directed by EIC.	3	Cmt		
20	Providing and laying cement concrete 1:3:6 (1- cement : 3- coarse sand : 6- hand broken stone aggregates 40 mm. nominal size in line and level including competc.ion, curing etc.complete for all type of work like in foundation ,plinth ,floor including cost of form work and cost of cement.	25	Cmt		
21	Do-as above for colony area	5	Cmt		
22	Providing and laying cement concrete 1:2:4 (M-150) and finishing smooth with curing etc. complete including the cost from work but excluding the cost of reinforcement for all type of R.C.C structure like footings, walls, beams, slabs, lintels, fins, coping weather shed, stair, raft, columns ---- etc. as directed and specified including watering, pouring, required scaffolding, hoisting for all depth and heights including cost of cement.	5	Cmt		
23	Do- as above for M15 For colony premises	2	Cmt		
24	Do- as above for M20 grade concrete	5	Cmt		
25	Do- as above for M25 grade concrete	160	Cmt		
26	Providing fixing and laying prestressed concrete cover M25 etc. complete including the cost of reinforcement, MS Hook for all type of R.C.C structure like footings, drain, trench , walls, beams, slabs, lintels, fins, coping weather shed, stair, raft, columns ---- etc. as directed and specified by EIC including transportation to and fro. (1) for 75mm thick	100	SMT		
27	Do- as above (2) for 100 mm thick	50	SMT		
28	Extra for additional lift of concrete for every for all R.C.C. Work from 3.0 mt and above up to 15.0mt ht for all.	2	Per floor/per Cu.mt.		
29	Extra for providing and mixing water proofing materials in cement concrete in mix proportions recommended by the manufacturers.	75	In liter of Kg. per Qtl. of cement		
30	Providing TMT CRS bar reinforcement conforming to IS 1786 for R.C.C. work including straightening, cutting, bending binding with 16gauge annealed wire, and placing in position etc. complete as directed for all levels including cost of reinforcement steel.	2500	Kg		
31	Providing and laying cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm. nominal size) laid in one layer finished with a floating coat of neat cement. (a) 40mm. thick.	5	smt		
32	Do- as above but for 50mm. thick.	5	smt		
33	Providing wood work in frames of doors, windows and other similar works, wrought, framed and fixed in position - Indian teak wood etc.as directed by EIC.(a) For Plant area- 1cmt (b) For Colony area 1 cmt	2	Cmt		

34	Providing and fixing 35mm. thick Indian teak wood shutters for doors, windows and clerestory windows including black /white enameled M.S. Butt hinges with necessary screws.etc.as directed by EIC. for Fully Paneled (For Plant area- 5 Smt and For colony area- 5 Smt)	10	smt		
35	Do- as above but for (c) Fully glazed	2	smt		
36	Do- as above but for (d) Partly paneled and partly glazed	2	smt		
37	Providing and fixing 25mm. thick Indian teak wood shutters for cup-boards etc. including black/white enameled M.S. butt hinges with necessary screws.(a) Fully Paneled	2	smt		
38	Do- as above for Colony area	2	Smt		
39	Do- as above but for - Fully glazed	2	smt		
40	Do- as above but for - Partly paneled and partly glazed	2	smt		
41	Providing and fixing 35mm. thick shutters for doors, windows and clearstory windows including Indian teak wood frames 12cm. x 7cm. size including anodized aluminum fixtures and fastenings including primer coat at approved quality and two coats of oil painting etc. complete.(a) Fully paneled	15	smt		
42	Do- as above for Colony area	15	Smt		
43	Do- as above Partly paneled and partly glazed	2	smt		
44	Providing and fixing 35 mm thick shutter for doors , windows and clearstory windows including enameled painting, MS Butt hinges, with necessary screws , handle, stopper, Indian teakwood, fully paneled	100	smt		
45	Providing and fixing of Indian teak wood frames 12cm. x 7cm. size for doors, windows and clearstory windows including primer and enamel painting two coat of approved quality	50	smt		
46	Providing and laying 15 mm. Thick cement plaster in single coat in CM 1:3 on all side of Brick/concrete walls surface finished even and smooth in true line ,level and plumb for any height including normal patta, grooves, racking the joints or roughening the RCC surface necessary scaffolding, curing etc. complete as directed including cost of cement. etc.as directed by EIC.(For Plant area- 900 snt and For Colony area-100 Smt)	1000	Smt		
47	20 mm thick sand faced cement plaster on walls of all type of surface consisting of 12 mm thick backing coat of c.m. 1:3 (1 cement : 3 sand) and 8 mm thick finishing coat of c.m. 1:1 (1 cement : 1 sand) at any height in true line, level and plumb including normal patta, grooves, racking the joints or roughening the RCC surface necessary scaffolding, curing complete etc. complete including cost of cement. etc.as directed by EIC.	900	Smt		
48	Extra over for above two items 48 and 50 for providing and mixing water proofing material in cement mortar in proportion recommended by the manufacturers.	5	Per bag of 50Kg.of cement used in mix.		
49	Providing and fixing 4mm sheet glass ordinary quality bedded in putty and fixed with Splash pin/clip and necessary cutting of glass including the removing of old glass as directed.	100	Smt		
50	Do- as above for 5mm bajri glass	5	Smt		
51	Providing and fixing 6mm th. Rough cast wired glass ordinary bedded in putty and fixed with splash pin/clip and necessary cutting of glass including the removing of old glass as directed.	15	Smt		

52	Supplying and placing of miscellaneous MS inserts such as MS flats, anchor bolts, assemblies, pipe sleeves, angles, channels, plate with lugs etc. at the locations as indicated in the drawings including all tools, tackles, welding M/c. Welding in position to correct. lines and levels, cutting etc. complete as per drawing and as per instruction of engineer in charge including cost of structural steel.	150	KG		
53	Providing and fixing M.S. Plain grills of required pattern to wooden frames of windows etc. with M.S. flats at required spacing and frame all-round square or round bars with round headed bolts and nuts or by screws of required patterns to wooden frames of windows/to M.S. frame windows including cost of structural steel etc. as directed.	10	Kg		
54	Providing and fixing rolling shutters of approved make made of 80 mm. Wide M.S. Laths inter-locked together through their entire length and jointed together at the end locks mounted on specially designed pipe shaft with bracket plates, guide channels and out side locking with push-pull operation including the cost of Hood cover and spring etc. complete. Up to shutter width of 3.5mt.etc.as directed by EIC.	10	Smt		
55	Do- as above for Shutter having width above 3.5mt.	5	Smt		
56	Providing and fixing rolling shutters of approved make made of 80 mm. wide ,18 gauge (1.2mm thick) - M.S. Laths inter-locked together through their entire length and jointed together at the end locks mounted on specially designed pipe shaft with bracket plates, guide channels and out side locking with Gear operated type with Crane handle of high quality operation including the cost of Hood cover ,The springs used in the roller for counter balancing the rolling shutter should be made from high tensile spring steel wire. Spring having 10 cm dia of having Tensile Strength : 145-160 kg/mm2 etc.complete. Shutter width of 3.5 mt.and above etc.as directed and approved by EIC.	20	SMT		
57	Providing and fixing 27.5 to 45 cm. long wire Spring having 10 cm dia of having Tensile Strength : 145-160 kg/mm2 , Grade-2 and approved make for rolling shutter including all necessary fitting, tools and tackles, labors etc. as approved and directed by EIC.	12	NO		
58	Providing and fixing for Rolling shutter Steel Pulleys having size of 15 cm dia and 2.54 cm thick complete with bolts,nuts,locking arrangements,welding including tools and Tackles and labors etc. as directed and approved by EIC.	12	NO		
59	Providing and fixing hood cover for rolling shutters (A) Shutters having width below 3.5 mtr	5	rmt		
60	Providing and fixing hood cover for rolling shutters (B) Shutters having width 3.5 mtr and above	5	rmt		
61	Providing and fixing Rolling Shutters Bottom Patti of approved make made of 125 mm. wide M.S. Laths inter- locked together through their entire length 2.70 to 3.50 mtr and jointed together, of 16 Gauge Thick having weight of 9 kg at the end locks mounted on specially designed pipe shaft with bracket plates guide channels and out side locking with push- pull operation including the cost of all necessary fitting, welding, Tools and tackles and labors etc. as directed and approved by Engineer I/C.	30	KG		

62	Providing and fixing Rolling Shutters Patti of approved make made of 80mm. wide M.S. Laths inter- locked together through their entire length 2.70 to 3.50 mtr and jointed together, of 18 Gauge Thick having weight of 4.5 kg at the end locks mounted on specially designed pipe shaft with bracket plates guide channels and out side locking with push- pull operation including the cost of all necessary fitting, welding, Tools and tackles and labors etc. as directed and approved by Engineer I/C	30	KG		
63	Full Service in Rolling shutter with minor repairing, welding, removing dirt, dust, cleaning of surface, grecing, oiling, making of smooth working of open and close of rolling shutter, proper locking arrangement with bolts as per necessary for all mechanism, nuts, stoppers, handles, proper washing, etc as directed by EIC. Shutter (Up to 3mtr width)	15	Nos		
64	Same as above item, "for width more than 3 mtr	7	Nos		
65	Providing 0.8mm thick corrugated G.I. Sheets roofing fixed with Galvanized iron 'J' or 'L' hooks bolts and nuts 8 mm diameter with bitumen and G.I. Limpet washers filled with white lead, bitumen washer etc. complete excluding the cost of purlins, rafters and trusses. up to 26.0mt Elevation	5	Smt		
65.1	Do-as above but from 26.00 mt elevation to 70.00 mt elevation	5	smt		
66	Providing ridges or hips 600mm. over all in plain G.I. sheet fixed with G.I. 'J' or 'L' hooks, bolts and nuts 8mm. dia. G.I. Limpet and bitumen washer complete. with(I) 0.80 mm. thick sheet.etc.as directed by EIC.	5	sqm		
67	Providing 7mm thick A.C. (asbestos cement sheets) roofing fixed with Galvanized iron 'J' or 'L' hooks bolts and nuts 8 mm. diameter with bitumen and G.I. Limpet washers filled with white lead, bitumen washer etc. complete excluding the cost of purlins, rafters and trusses. etc.as directed by EIC.	500	Smt		
68	Do-as above but roofing with FRP sheet of standard quality.	5	smt		
69	Providing and fixing of 0.5mm thick Corrugated Galvalum Sheets (ISI approved) pre-painted / coated sheets roofing fixed with self drilling screws with rubber washer must be from materials compatible with roofing etc. including all tools , tackles, labor, materials complete excluding the cost of purlins, rafters and trusses up to any height with safety precaution. Material approved by EIC.	100	smt		
70	Providing ridges or hips 600mm wide, 0.5mm thick Galvalum Sheets (ISI approved) pre-painted / coated sheets roofing fixed with self drilling screws with rubber washer must be from materials compatible with roofing etc. including all tools , tackles, labor, materials complete as directed by EIC.	15	smt		
71	Providing and laying white glazed tiles 6 mm thick in flooring treads of steps and landings laid on a bed of 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) pointing in white cleaned jointed with white cement slurry in line and levels as specified and directed including cost of cement.etc.as directed by EIC.	5	Smt		
72	Providing and Laying Ceramic vitrified flooring tiles in flooring, treads steps and landings laid on a bed of 12mm thick cement mortar 1:3(1 cement : 3 coarse sand) finished with flush pointing in white cement.etc.as directed by EIC.	10	Smt		
73	Providing and laying Marbo granite flooring tiles 8mm thick in flooring treads of steps and landings laid on a bed of 12mm thick cement mortar 1:3 (1 cement : 3 coarse sand finished with flush pointing in white cement etc.as directed by EIC.	5	Smt		

74	Providing and laying 30mm thick Kota stone slab flooring over 20 mm (average thick base of cement mortar 1:6 (1 cement : 6 coarse sand) and jointed with grey cement slurry including rubbing and polishing complete in line and levels as specified and directed including cost of cement.etc.as directed by EIC.	5	Smt		
75	Removing/scrapping of old white wash/distemper by washing and scrapping and sand papering the wall surface smooth including necessary repairs to scratches complete.	25	Smt		
76	Scraping oil paint from steel and other metal surfaces and making the surface even with hand scraping	25	Smt		
77	White washing with lime or color washing with adding pigments on wall surface (Three coats) to give an even shade including thoroughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter for all heights including required scaffolding etc. complete.etc.as directed by EIC.	100	Smt		
78	Painting two coats (excluding priming coat) on steel and other metal surfaces with enamel paint, brushing interior to give an even shade including cleaning the surface of all dirt, dust and other foreign matter for all heights including required scaffolding etc. complete.etc.as directed by EIC.	350	Smt		
79	Applying priming coat over a new steel and on other metal surface after and including preparing the surface by thoroughly cleaning, oil, grease, dirt and other foreign matter and scoured with brushes fine steel wool, scrapers and sand papers with ready mixed priming paint brushing red lead for all heights, scaffolding etc. complete etc.as directed by EIC.	400	Smt		
80	Distemping (two coats) with oil bound distemper of approved brand and manufacturer and of required shade on wall surfaces to give an even shade, over and including a primary coat with alkali resistance primer of approved brand after thoroughly brushing the surface free from mortar dropping and other foreign matter and also including preparing the surface even and smooth for all heights including required scaffolding etc. complete.	1500	Smt		
81	Wall painting with plastic emulsion paint of approved brand and manufacture etc.on wall surface to give an even shade incl. throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth as directed by EIC.	10	smt		
82	Finishing wall with water proofing cement paint of on wall surface (two coats) to give an approved brand and manufacture and of required shape even shade after thoroughly brushing the surface to remove all dirt, and removing of loose powdered materials for all heights including required scaffolding etc. complete.etc.as directed by EIC.	150	Smt		
83	Varnishing two coats (excluding priming coat)on new wood and wood based surfaces, under coating with flatting varnish to give an even surface including cleaning the surface of all dirt, dust and sand papering so as to produce smooth dry surface.	5	smt		
84	Providing and fixing water closet squatting pan (Indian type W.C. Pan) size 580 mm Vitreous china Long patter white color including all necessary material sand civil work etc. completed as directed	2	No		

85	Providing and fixing 100mm. size 'P' or 'S' trap for water closet squatting pan including jointing the trap with the pan and soil pipe in cement mortar 1:1 (1 cement : 1 sand)(A) Vitreous china	1	No		
86	Providing and fixing C.P. brass towel rail complete with C.P. Brass brackets fixed to wooden plugs with C.P. Brass screws, 600mm x 20 mm size.etc.as directed by EIC.	1	No		
87	Providing and laying UPVC 80 schedule approved quality pipe of the following nominal bore and tube , fitting including all fittings, labour and at all level. (Earth work in trenches to be measured and paid for separately) etc. as directed by EIC. (a) 15 mm .	12	Rmt		
88	Do-as above for (b)25 mm	12	Rmt		
89	Do-as above for (c)50 mm	6	Rmt		
90	Do-as above for (d) 75 mm	6	Rmt		
91	Do-as above for (e) 100 mm	6	Rmt		
92	Providing and laying CPVC 13.5 SDR pipe of the following nominal bore and tube fitting including all fittings, labour and at all level. (Earth work in trenches to be measured and paid for separately) etc. as directed by EIC. (a) 15 mm .dia	12	Rmt		
93	Do-as above for (b) 25 mm dia	6	Rmt		
94	Providing and fixing cast iron (spun) Nahni trap of the following nominal diameter of self cleaning design with C.I. screwed down or hinged grating including cost of cutting and making good the walls and floors 100 mm inlet and 50 mm outlet.etc.as directed by EIC.	1	No		
95	Providing and fixing S.W. Gully trap with C.I. Grating brick masonry chamber and water tight C.I. Cover with frame of 300 mm X 300 size (inside) with standard weight square mouth traps, 150 mm. X 100 mm size P or R type including cost of cement.etc.as directed by EIC.	1	No		
96	Providing and Fixing CP Brass screw down Bibcock of std quality like ESSCO , D'sons or equivalent as directed by EIC. a)15mm	1	No		
97	Providing and fixing Pillar Tap having capstan head, screw down high pressure with screws, shanks and back nuts of std qualityetc. like ESSCO , D'sons or equivalent as directed by EIC. a)15mm	1	No		
98	Providing and Fixing Brass screw down Stop Cock / angle cock of std quality like ESSCO , D'sons or equivalent as directed by EIC.a)15mm	1	No		
99	Providing and fixing chromium plated brass half turn flush cock of approved quality including fixing in pipe line etc. complete.etc.of std quality. as directed by EIC.a)20mm	1	No		
100	Providing and fixing gun metal check or non return fullway wheel valve etc.of std quality as directed by EIC.a)15mm (0.5")	1	No		
101	Do-as above for (b)20 mm (0.75")	1	No		
102	Do-as above for (c)25mm (1")	1	No		
103	Supply, Installation of Cast Iron Non Return Valve, with SS internals, Single Disc, Soft Seat, Wafer Design, PN 10 Rating, Suitable to mount between Class 150 Flanges including required sizes Flanges with 2 nos flanges, nuts bolts and gasket PUMP ROOM PIPING and UNDER GROUND TO OVER HEAD TANK PIPING - 100 MM NB	1	No		
104	Supply, Installation, Testing of CI Body Ball Valves with ASTM A 351 GR CF8M ball mirror finished, AIS 316 Stem, three-piece design, Virgin PTFE Seat singly moulded with pressure releasing slots, Body Seal: PTFE, with Belleville washers, Gland Packing and Stem Seal : 35percent Carbon Filled PTFE, regular bore, Design as per BS 5351. Screwed ends to BSPT of 40 NB MM	1	No		

105	Do- for 25 NB MM	1	No		
106	Supply , Installation of - C.I Butterfly Valve, Having Black Nitrile Integrally moulded Liner, Nylon Coated Disc, Wafer Design, Lever Operated, PN 10 Rating. Suitable to mount between Class 150 Flanges including required sizes Flanges with 2 nos flanges, nuts bolts and gasket including loading, unloading, testing, and all other taxes. [A-1] 150 NB MM	1	No		
107	Do- for 100 MM NB	1	No		
108	Providing and fixing C.P. brass waste coupling for wash basin or sink etc.of std quality as directed by EIC.(a) 32 mm	3	No		
109	Do-as above for (b) 40mm	2	No		
110	P/F Brass float valve heavy duty with P.V.C. ball cock incl. Required tools, tackles, ladders etc. etc.of std quality. as directed by EIC.a) 25mm	10	No		
111	Do-as above for (b) 50mm	2	No		
112	Providing and fixing wash basin with single hole for pillar tap with C.I. Or M.S. brackets painted white including cutting holes and making good the same but excluding fittings: Vitreous china, Flat back white wash basin 500mm x 400mm size including cost of cement. Etc.of std quality as directed by EIC.	1	No		
113	Providing fixing chromium plated bottle trap with necessary coupling of approved quality for wash basin.	2	No		
114	Providing and fixing 600mm. x 450mm. beveled edge mirror of superior glass mounted on 6mm. thick A.C. sheet or plywood sheet and fixed to wooden; lugs with C.P. brass screws and washers. Etc.of std quality as directed by EIC.	2	No		
115	Providing and fixing urinal approved quality connetc.ing the urinal with integral longitudinal flush pipe Squatting plate pattern white earthen ware 550 mm X 300 mm including cost of cement. Etc.of std quality as directed by EIC.	2	No		
116	Providing and fixing wash down water closet (European type, W.C. Pan with integral 'P' or 'S' trap including jointing the trap with soil pipe in cement mortar 1:1 (1 cement : 1fine sand) Vitreous china pattern : including Providing and fixing plastic seat and cover for wash down water closet with C.P. Brass hinges and rubber buffers including cost of cement. Etc.of std quality as directed by EIC.	2	No		
117	Providing and fixing 12.5 liters low level flushing cistern with a pair of C.LI or Mild Brackets, complete with fittings such as lead value syphon 15mm. nominal size brass ball valve with polythene float, C.P. Brass handle unions and couplings for connections with inlet, outlet and over flow pipes, 40mm. dia. porcelain enameled flush bend including cutting holes in walls and making good the same connetc.ing the flush bend with cistern and closet (over flow pipe to be measured and paid for separately).(A) Vitreous china In white color	1	No		
118	Providing and laying (Two level or slopes) and jointing with stiff mixture of cement mortar in proportion 1:1 salt glazed stone ware pipes following nominal internal diameters including testing of pipes and joints etc. complete.(a) 100mm. dia.	2	Rmt		
119	Do-as above for (b) 150mm. dia.	2	Rmt		
120	Supplying of fine, clean sand as per approved quality and specification including all taxes, royalties lead and lift etc. as directed.	2	Cmt		
121	Do-as above for but For Colony Area	10	Cmt		

122	Supplying of 10 to 25 mm size clean aggregate with out impurities as per approved quality and specification including all taxes, royalties lead and lift etc. as directed.etc.as directed by EIC.	5	Cmt		
123	Do-as above for but For Colony Area	10	Cmt		
124	Supplying of solid Concrete block of size 200x200x350mm in C.M 1:3:6 having minimum compressive strength 60Kg/Sq. cm. as per approved quality and specification including all taxes, royalties lead and lift etc. as directed.	200	No		
125	Making hole in Brick masonry/CGI sheet/in RCC for Providing pipes, sleeves having diameter from 75mm to 150 mm up to 15 mt ht. from GL etc.as directed by EIC.	2	No		
126	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting in line and levels as directed and joining the pipes in CM 1:2 watering and laying (to level of slops) of I.S. Class NP 2 of following internal diameters.etc.as directed by EIC.(a) 300 mm dia	2	Rmt		
127	Do-as above for (b) 450mm dia	2	Rmt		
128	Do-as above for (c) 600 mm dia	2	Rmt		
129	Providing and fixing water tight storage tank (Sintex make) made from linear low density polyethylene and low density polyethylene LDPE product confirming to IS 10145-1982 with cover including providing and fixing one 25 mm dia float valve ball cock , one 25 mm dia GI waste pipe with plug , one 25 mm dia GI cover flow pipe of length up to 0.3 mt. including making all connetc.ion for inlet/ outlet supply with necessary fittings for out let /inlet etc. at any level with all men power , tools ,tackles completed as directed (a) For 500 liter capacity	1	No		
130	Do-as above for (b) For 1000 liter capacity	1	No		
131	Do-as above for (c) For 2000 liter capacity	1	No		
132	Fixing of removed Hinges to M.S angle frame at various locations by welding as directed including all tools, tackles, manpower, welding rods, welding M/c etc. completed.etc.as directed by EIC.	2	No		
133	Laboure charges for Fixing of old CGI/GI Sheets in proper position including all manpower tools, tackles with necessary J or L hooks, GI/Limpet/ bitumen washer aor all height as per directed etc. complete.	5	Smt		
134	Providing and fixing 12 mm thick Gypsum Board sheet for false ceiling including aluminum frame setc.ion size of 25 mm of standard approved quality as per instruction of EOC, including tools , tackles, all labour charges at any height and as directed by EIC.	10	Smt		
135	Providing and fixing 5 mm thick fiber sheet of good quality in ceiling with 75x 50 mm teak wood frame for fixing in ceiling at every 1.0 meter center to center with tongued and grooved joint with wooden screw and intermediate supports as per instruction of EIC, including tackles, all labour charges at any height and as directed by EIC.	20	smt		
136	Providing and fixing 12 mm thick fiber sheet of good quality in cupboard with tongued and grooved joint with wooden screw and intermediate supports as per instruction of EIC, including tools tackles, all labour charges at any height and as directed by EIC.	25	smt		
137	Providing and fixing 18 mm thick fiber sheet of good quality in cupboard with tongued and grooved joint with wooden screw and intermediate supports as per instruction of EIC, including tools tackles, all labour charges at any height and as directed by EIC.	10	smt		

138	Laboure charges for Repairing of old False ceiling work and refixing the same in proper position with necessary tools, tackles, manpower for any height etc. complete including frame and board.	10	Smt		
139	Laboure charges for fixing of old Door/Window/Ventilator in position as directed including and providing new hold fast making groove in the wall, fixing in C.C. including minor repairing, making it good including two coat of approved quality oil paint etc. complete as directed.	5	Smt		
140	Removing of any structural steel work by gas cutting etc. incl depositing the cut material in GMDC store as per instruction of EIC with all necessary safety, manpower, tools and tackles etc. complete.etc.as directed by EIC.	5	KG		
141	Drilling of hole max.up to 20mm dia /squaresize and 150mm to 300mm deep in RCC structure including all materials ,laboures ,tools and tackles and max 10mt ht.from relevant floor.etc.as directed by EIC.	5	No		
142	Providing and laying cement vata (10 cm. x 10 cm. size) quarter round in cement mortar 1:1 including neat cement finishing watering at any ht. etc. complete.etc.as directed by EIC.	15	Rmt		
143	P/L chemical water proofing treatment using Dr. Fixit Touchshield APP/SBS modified bitumen based,heavyduty membranes of 4mm thickness for water proofing of large area of pre treatment system at ATPS Nanichher carrying out the work as per specification . Contractor shall have to give pond test and 5 years performance guarantee for the treatment to be furnished against any leakage or seepage, including cleaning (demolition of previous treatment of flooring if required) curing as directed.	50	Smt		
144	Do-as above item (a) but for colony area	50	Smt		
145	Providing and laying Grouting below column/equipments base plate, anchor bolts, pipe selves, pocket girder, etc. with a grout of 1:1:1- i.e. (1cement, 1groutoing admixture and 1sand) including the cost of admixture to obtain non shrink grout as per manufacture's instructions. including cost of labor, equipment, formwork and other materials etc. including cost of cement. etc.as directed by EIC.	10	KG		
146	Providing and fixing 1 mm thick ,MS sheet doors/windows confirming to IS: 1038 with brass chromium pated fixtures and fittings and glazed with 5.5mm thick glass panels fixed using glazing clips and special metal sash putty, type as per drawing epoxy painting of DFT 275 microns minimum etc. completed etc. as directed by EIC.	2	Smt		
147	Providing and Fixing of ISI approved make hydraulic door closer as directed.	10	No		
148	Providing and Fixing of Brass Chromium plated Mortise lock Godrej make with handles of approved quality.	2	No		
149	Demolition including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift for R.C.C. work etc.as directed by EIC.	3	Cmt		
150	Demolition and disposal of unserviceable materials with all lead and lifts for Unreinforced cement concrete including manpower, tools, tackles etc. completed as directed.	5	Cmt		
151	Demolition of brick work and stone masonry in cement mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift including required manpower, tools, tackles etc. complete as directed.	1	Cmt		

152	Dismantling tiles or stone floors laid in cement mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift including required manpower, tools, tackles etc. complete as directed.	1	Smt		
153	Dismantling of sheet roofing including ridges, hips, valleys, gutters, etc. stacking of serviceable materials with all lead and lift -etc.as directed by EIC. (a) G.I. Sheet roofing	100	Smt		
154	Do-as above for (b) A.C. Sheet roofing	5	Smt		
155	Dismantling wood work , wrought frame and fixed in frames trusses including stacking the materials with all leads and lifts as directed by EIC.	1	Cmt		
156	Dismantling steel work , including dismantling and stacking the materials with all leads and lifts as directed by EIC.	20	Kg		
157	Dismantling doors, windows, ventilators, etc. (wood or steel) shutters including chowkhats, Architraves, Holdfasts and other attachment etc. complete and stacking them within all lead and lift. etc.as directed by EIC. (a).Not exceeding 3 Sq.M. in area.	2	each		
158	Do-as above for (b) Exceeding 3 Sq.M. in area.	2	each		
159	Dismantling barbed wire in fencing including making rolls and also including dismantling fencing posts including all earth work concrete in base and making good the disturbed ground stacking useful materials as directed and disposing of the unserviceable materials with all lead and lift.etc.as directed by EIC.	10	Rmt		
160	Providing and fixing 'Y' shaped angle with galvanixed barbed wire fencing, to 50x50x6 M.S. angle post of total length 1.6 mtr (0.5 m each length of two side+0.3 mt vertical+0.30 m in grouting) including fixing in cement concrete 1:1.5:3 on top of compund wall. M.S. angle post to be provided at every 2.5 mt interval and extra at every vertical offset/fall of wall with GI Barbed wire having weight 9.38 kg/100 RMT of 14 gauge , 2 ply, 4 points of 7 horizontal raws with M.S angle fix with GI Staple pins, including 2 coats of synthetic enamel paint over one coat of redoxide (PRIMER) on M.S. Angle as directed (Note :concrete quantity will be paid in relevent item)	50	RMT		
161	Dismantling G.I./C.I. Pipes, G.S.W. Pipes and A.C/PVC. rain water pipes with fittings and clamps excavation including stacking the materials with all lead and lift (for any dia. of pipes) and crediting the same in store etc., complete as etc.as directed by EIC.directed.	10	Rmt		
162	Providing , supplying and installing glazed partition in 5 mm. fiber sheet/ Plain glass sheet in filled anodized aluminum sections , clips with performed rubber scantling around fiber sheet complete including rigidly fixing aluminum frame work to structural floors , beams , columns etc. complete , Single aluminum member size of 65 mm x40 mm with providing and fixing standard approved quality of materials and bolts as per instruction of EIC. (a) Single aluminum member size of 65 mm x 40 mm	20	Smt		
163	Providing and fixing Aluminum glazed window / Ventilation with 5 mm. fiber sheet/ Plain glass sheet in frame size 65x40 mm of aluminum standard sections , with one part of sliding window and one/two part of fixed glass . Glazing shall be of clear plate glass 5 mm thick fied to aluminum glazing clips with performed rubber scantling around glass complete including rigidly fixing aluminum frame work to structural floors / beams columns etc. complete as per instruction of EIC. of 65 mm x40 mm with providing and fixing standard approved quality of materials and bolts as per instruction of EIC. (a) Single aluminum member size of 65 mm x 40 mm	50	Smt		

164	Providing and fixing anodized Aluminum door opening both side with fixed glazing in aluminum frame work at sides and top of the doors in 5 mm fiber sheet/ Plain glass and confirming to relevant IS including glazing with 5 mm thick clear glass/ fiber sheet , including laying of floor spring of standard quality , including standard hard ware such as hinges, push/pull bars, handles, locking arrangement ., suitable rubber/ ring / bending for fixing glass/ fiber sheet etc. . complete. single aluminum member size of 65 mm x40 mm with providing and fixing standard approved quality of MS handle for Aluminum door with nut , hinges and bolts as per instruction of EIC.	10	Smt		
165	Drain cleaning including opening the slab cover cleaning the drain and closing the drain with their cover in position as directed by EIC(a)Setc.ion area up to 0.25 Sq.MT	500	RMT		
166	Do-as above for (b)Setc.ion area from .251 SqMt. to 0.5 Sq.MT	400	RMT		
167	Do-as above for (c)Setc.ion area from 0.501 SqMt to 1.0 Sq.MT	1000	RMT		
168	Colletion of garbage, debris, rubbish leaves, garden waste, broken glass, plastic, small pieces of unwanted-unusable materials, unserviceable waste from various places/ dust bins including loading and transporting through covered tractor trolley having 2.75 cmt capacity and disposing outside the township; premises including disposing and leveling in low laying dumping area, buried the garbage by excavating the pit, fire the same as and when required etc. complete up to 6.00 mtr. lift and minimum 5 km lead all as per directed of Engineer in charge including required labours, materials, tools or plants required for the job.etc.as directed by EIC.Note : During disposing of garbage cables, steel materials or any steel scrap/usable material will found then it will be immediatly submitted to the engineer in charge.	300	Tractor Trip No.		
169	Cleaning of sewage septic tank including removing of sludge and drainage water either mechanically or manually and removing the sludge and dirty water out side the Plant premises etc. completed as directed by EIC. The cost inclusive of tools, tackles, mud pump, plants other material and labours are required for job as well as the precautionary measures required to be adopted for working staff on the job for their health and safety etc. complete for execute the above work, the agency will employ required additional skilled labours/workers/skilled supervisors during the operation so that regular other cleaning works are not effetc.ed.etc.as directed by EIC.(a) Up to 10 Cu.MT capacity	5	No		
170	Do-as above for (b)'Do' from 10 to 20 Cu.MT capacity	5	No		
171	Supplying and fixing road sign board of M.S. Plates and angle iron including enamel painting, lettering etc. complete including fixing in CC 1:4:8 with necessary excavation etc. complete as per I.R.C. Type design (ii) reflective type as directed by EIC.	2	No		
172	Writing Indian letter/ figures/ sketch on any surface of concrete/MS Plate/Board/banner etc. with approved enamel paint in two coats at any height including all tools, brushes, tackles, ladders etc. including primer etc. after cleaning/scrapping of surface from dirt, oil, grease etc. complete as directed by EIC. (including all stops,comas,hyphens etc.)	5	sqm		
173	Coursed rubble masonry with stone of approved quality in foundations and plinth in cement mortar 1:3 (1-cement : 3-coarse sand) etc. complete as directed by EIC.	2	cmt		
174	Providing and laying inter locking mechanically compacted paver block of approved color of high density 60 mm thick M-20 grade using black trap aggregate of required size and quality for footpath, road etc. including cost of form work using rubber(ERP mould including excoriation, filling, consolidation if required over 50 mm thick sand cushion biding, including cost of labours, tools, tackles etc. as directed and specify.	10	smt		

175	Providing and fixing and replacing fly proof PVC jali of standard quality with Velcro on wooden frame and net fixing with brass nails steaching etc.	50	smt		
176	Cleaning/cutting and removing of grass,bushes and unwanted plants etc. from the open area including required and necessary manpower,All type of tools,tackles either mechanically or manually with disposing of all removed grass,bushes and unwanted plants etc up to 5 km leads as directed by EIC.For work record keep Register/worksheet maintain duly signed for satisfaction of work and checked by EIC.	100	smt		
177	Cleaning,Sweeping of Roof terraces including cleaning of rain water pipes,rain water drains,rain water spouts,porch,chajja,sunshades, etc,removal of chokage,blockages of rain water pipes etc as per instruction of EIC.cost of materials like coco broom, soft broom, hand cart, topla etc. and other cleaning material are in bidder's scope. For work record keep Register/worksheet maintain duly signed for satisfaction of work and checked by EIC.	100	SMT		
Total -Part-I					

Item No	Description	Qty for one year	Unit	Rate	Amount
Part-II	Supply of Men power				
1	Plumbing work: Attending daily minor repairing work pertaining to plumbing and sanitary work as shown by EIC. Agency shall have to depute sufficient nos. (minimum 1 plumber and 1 helper)of plumber and helper to attended the above job. Required materials like taps, washers and other plumbing items will be supplied by GMDC. Required tools and tackles for the item work in bidder's scope.	10	No/day		
2	Carpentry work: Attending daily minor repairing work pertaining to Carpentry work as shown by EIC.Agency shall have to depute sufficient nos(minimum 1 carpenter and 1 helper)of carpenter and helper to attended the above job. Required materials like nails, screws, hardware materials etc. will be supplied by GMDC. required tools and tackles etc. for the item work in bidder's scope	100	No/day		
3	Sanitary work: Attending daily minor repairing work pertaining to sewer line work as shown by EIC.Agency shall have to depute sufficient nos (minimum 1skilled sweeper and 1 helper)of sweepers and helper to attended the above job. Cost inclusive of required tools and tackles for the item as well as the precausonary measures required to be adopted for the working manpower on the job for their health and safety is in bidder's scope	5	No/day		
4	Mason	50	No/day		
5	Skilled Labour	100	No/day		
6	Un skilled Labours	1120	No/day		
Total -Part-II					
Total (A+B)					
Gross Total Part I and II for one Year					
Gross Total Part I and II for TWO Years					