

Bill of Quantities & Price Bid Format						
Annual Civil Maintenance Jobs in Main Plant Area (OPGC-II) at ITPS 2023-25						
SI No	Short Description	Item description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1	Earth Work Excavation all kind of soil	Earth work excavation in all kinds of soil within 50m initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5 to 7 cm. and laying in layers not exceeding 0.3m in depth and as per direction of Engineer-in-charge.	Cum.	900		
2	Back filling with excavated soil	Back filling in foundation with excavated materials in layers including watering & ramming with rammers including all cost of labour, T&P, etc. complete as per direction of Engineer-in-charge.	Cum.	160		
3	Supplying & Filling Sand	Supplying and Filling of sand in foundation and plinth, watering and ramming including all cost, conveyance, T&P, royalties of all materials and labour charges etc. complete as per direction of Engineer-in-charge.	Cum.	180		
4	PCC (1:4:8) using 40mm HG stone metal	Providing and laying PCC (1:4:8) using 40mm size h.g. crusher broken metal laid in layers not exceeding 150mm depth including cost of all materials, watering, ramming, curing cost, conveyance, royalties of all materials, T&P, scaffoldings and labour charges etc. complete as per direction of Engineer-in-charge.	Cum.	2		
5	PCC (1:3:6) using 25-40mm HG stone chips	Providing and laying PCC (1:3:6) using 25 to 40mm size h.g. crusher broken metal including cost of all materials, watering, ramming, curing cost, conveyance, royalties of all materials, T&P, scaffoldings and labour charges etc. complete as per direction of Engineer-in-charge.	Cum.	180		
6	PCC (1:2:4) using 12mm HG stone chips	Providing and laying Cement Concrete (1:2:4) using 12mm size h.g. crusher broken chips including cost of all materials, laying of concrete, watering, curing cost, conveyance, royalties of all materials, T&P, scaffoldings and labour charges etc. complete as per direction of Engineer-in-charge.	Cum.	120		
7	RCC (1:1.5:3) upto Plinth level	Providing & laying reinforced cement concrete(1:1.5:3) with 12-20 mm.size h.g. crusher broken chips including cost of all materials, laying of concrete, watering, curing cost, conveyance, royalties of all materials, labour, T&P, scaffoldings, PPEs etc. complete excluding cost of steel as per direction of Engineer-in-charge - upto Plinth Level or 'O' mtr height	Cum.	270		
8	RCC (1:1.5:3) Plinth to 5.0m level	Providing & laying reinforced cement concrete(1:1.5:3) with 12-20 mm.size h.g. crusher broken chips including cost of all materials, laying of concrete, watering, curing cost, conveyance, royalties of all materials, labour, T&P, scaffoldings, PPEs etc. complete excluding cost of steel as per direction of Engineer-in-charge - above Plinth Level upto 5.0 mtr height	Cum.	2		
9	RCC (1:1.5:3) 5.0m to 10.0m level	Providing & laying reinforced cement concrete(1:1.5:3) with 12-20 mm.size h.g. crusher broken chips including cost of all materials, laying of concrete, watering, curing cost, conveyance, royalties of all materials, labour, T&P, scaffoldings, PPEs etc. complete excluding cost of steel as per direction of Engineer-in-charge - above 5.0mtr upto 10.0 mtr height	Cum.	2		
10	RCC (1:1.5:3) 10.0m to 15.0m level	Providing & laying reinforced cement concrete(1:1.5:3) with 12-20 mm.size h.g. crusher broken chips including, cost of all materials, laying of concrete, watering, curing cost, conveyance, royalties of all materials, labour, T&P, scaffoldings, PPEs etc. complete excluding cost of steel as per direction of Engineer-in-charge - above 10.0mtr upto 15.0 mtr height	Cum.	2		

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11	RCC (1:1.5:3) above 15.0m level	Providing & laying reinforced cement concrete(1:1.5:3) with 12-20 mm.size h.g. crusher broken chips including, cost of all materials, laying of concrete, watering, curing cost, conveyance, royalties of all materials, labour, T&P, Scaffoldings, PPEs etc. complete excluding cost of steel as per direction of Engineer-in-charge - above 15.0mtr height	Cum.	2		
12	Form work upto Plinth level	Rigid and smooth centering and shuttering for R.C.C works including false works and dismantling them after casting including cost of all materials, conveyances, labour, T & P, Scaffoldings, PPEs etc complete as per direction of Engineer-in-charge upto Plinth Level or '0' Level	Sqm	150		
13	Form work above Plinth upto 5.0m level	Rigid and smooth centering and shuttering for R.C.C works including false works and dismantling them after casting including cost of all materials, conveyances, labour, T & P, Scaffoldings, PPEs etc complete as per direction of Engineer-in-charge above Plinth Level upto 5.0 mtr height	Sqm	4		
14	Form work above 5.0m upto 10.0m level	Rigid and smooth centering and shuttering for R.C.C works including false works and dismantling them after casting including cost of all materials, conveyances, labour, T & P, scaffoldings, PPEs etc complete as per direction of Engineer-in-charge above 5.0 mtr upto 10.0 mtr height	Sqm	4		
15	Form work above 10.0m upto 15.0m level	Rigid and smooth centering and shuttering for R.C.C works including false works and dismantling them after casting including cost of all materials, conveyances, labour, T & P, scaffoldings, PPEs etc complete as per direction of Engineer-in-charge above 10.0 mtr upto 15.0 mtr height	Sqm	2		
16	Form work above 15.0m level	Rigid and smooth centering and shuttering for R.C.C works including false works and dismantling them after casting including cost of all materials, conveyances, labour, T & P, scaffoldings, PPEs etc complete as per direction of Engineer-in-charge above 15.0 mtr height	Sqm	2		
17	Ash Brick work (1:6) in foundation	Ash Brick masonry with cement mortar (1:6) in foundation and plinth including cost of all materials, splays cutting, watering, curing cost, conveyance, royalties of all materials, T&P, scaffoldings and labour charges etc. complete as per direction of Engineer-in-charge but excluding the cost of ash brick. (Ash brick will be supplied free of cost from OPGC ash brick manufacturing plant)	Cum.	240		
18	Ash Brick work (1:6) in superstructure	Ash Brick masonry with cement mortar (1:6) in superstructure including cost of all materials, splays cutting, curing, watering cost, conveyance, royalties of all materials, T&P, scaffoldings and labour charges etc. complete as per direction of Engineer-in-charge but excluding the cost of ash brick. (Ash brick will be supplied free of cost from OPGC ash brick manufacturing plant)	Cum.	150		
19	12mm Cement Plaster (1:6) all heights	Providing and applying 12mm thick cement plaster with cement mortar (1:6) at all height and elevations over brick masonry work finished smooth after taking out joints including cost of all materials, watering, curing cost, conveyance, royalties of all materials, T&P, scaffoldings and labour charges etc. complete as per direction of Engineer-in-charge.	Sqm	2,400		

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20	12mm Cement Plaster (1:4) all heights	Providing and applying 12mm thick cement plaster with cement mortar (1:4) at all height and elevations over brick masonry work finished smooth after taking out joints including cost of all materials, watering, curing cost, conveyance, royalties of all materials, T&P, scaffoldings and labour charges etc. complete as per direction of Engineer-in-charge.	Sqm	200		
21	Neat Cement Punning	Extra for Cement punning over cement plaster including cost of all materials, watering, curing cost, conveyance, T&P, scaffoldings and labour charges etc. complete as per direction of Engg.-in-charge.	Sqm	1,400		
22	Cement Flush Pointing Stone Masonry(1:3)	Cement flush pointing to stone masonry (1:3) after surface preparation including cost of all materials, watering, curing cost, conveyance, royalties of all materials,T&P, scaffoldings and labour charges etc. Complete as per direction of Engg.-in-charge.	Sqm	20		
23	25mm AS Flooring with CC (1:2:4)	25mm.thick A.S. flooring in C.C.(1:2:4) using 12-20mm size hard granite chips including cost of all materials, watering, curing cost, conveyance, T & P, scaffoldings, royalties of all materials and labour charges etc. complete as per direction of Engineer-in-charge.	Sqm	900		
24	Tile work upto 600mm size in Floors	Providing and Fixing 8mm thick tiles (Standard / Vitrified) of all sizes upto 600mm of approved brand (Somani/ Kajeria/ Johnson/ Nitco / equivalent) in floors treads or steps and landing on 25mm thick bed of cement mortar 1:4 (1cement:4sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete including cost of all materials, watering, curing, conveyance, T & P, scaffolding, royalties of all materials, and labour charges etc. complete as per direction of Engineer-in-charge	Sqm	50		
25	Tile work upto 600mm size in skirting	Providing and Fixing 8mm thick tiles (Standard / Vitrified) of all sizes upto 600mm of approved brand (Somani/ Kajeria/ Johnson/ Nitco / equivalent) in dado, wall, riser, skirting with 12mm thick cement mortar 1:3 (1cement:3sand) jointed with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete including cost of all materials, watering, curing, conveyance, T & P, scaffolding, royalties of all materials, and labour charges etc. complete as per direction of Engineer-in-charge	Sqm	70		
26	Dismantling Brick Masonry work	Dismantling, removing and disposal of brick masonry in cement mortar etc. including all cost, conveyance, T&P, scaffoldings, labour charges etc. complete as per direction of EIC.	Cum	60		
27	Dismantling / Removing Doors/ windows	Dismantling and removing doors, window and ventilators including removal of frame, hinges fastening and stacking the same for reuse and removing the debris with in 50m lead including all cost, conveyance, labour, T&P, scaffoldings etc complete as per the direction of EIC	Sqm	20		
28	Dismantling / Removing old tile flooring	Dismantling and removing old tiled flooring including removing the base coarse and stacking the useful materials for reuse and removing the debris with in 50m lead including all cost, conveyance, labour, T&P, scaffoldings etc complete as per the direction of EIC	Sqm	50		

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SI No	Short Description	Item description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
29	Dismantling / Removing old tile cladding	Dismantling and removing old tiled cladding from walls including racking out joints 12mm deep, stacking the useful materials for reuse and removing the debris with in 50m lead including all cost, conveyance, labour, T&P, scaffoldings etc complete as per the direction of EIC	Sqm.	30		
30	Removing Old Cement Plaster	Removing old lime or cement plaster from walls including racking out joints 12 mm deep and removing the debris with in 50m lead including all cost, conveyance, labour, T&P, scaffoldings etc complete as per the direction of EIC	Sqm.	1,000		
31	Making Holes in Brick wall_1.0 Sqft size	Making holes on brick walls upto 1.0 Sqft size and finishing it with cement mortar(1:3) etc including all cost, conveyance, labour, T&P, scaffoldings etc complete as per the direction of EIC	No	20		
32	Making Holes in Brick wall 1-4 Sqft size	Making holes on brick walls above1.0 Sqft upto 4.0 Sqft size and finishing it with cement mortar(1:3) etc including all cost, conveyance, labour, T&P, scaffoldings etc complete as per the direction of EIC	No	10		
33	Dismantling/ Removing grading concrete	Dismantling and removing 25mm thick grading concrete from roof slab cleaning the surface, lowering and removing the debris within 50m lead including all cost, conveyance, labour, T&P, scaffoldings etc complete as per the direction of EIC	Sqm	60		
34	Dismantling/ Removing RCC Structures	Dismantling and removing RCC structures, columns, beams, slabs, stair case landings, lintels etc. including stacking the useful materials for reuse and removing the debris with in 50m lead including all cost, conveyance, labour, T&P, scaffoldings etc complete as per the direction of EIC	Cum	40		
35	Cutting & Polishing Mosaic Floor	Cutting & polishing of mosaic floor including cost of materials like white cement, wax polish, acid, detergent, oil, cutting stones of different sizes, T&P, hire charges of cutting machine etc. including all cost, conveyance, labour, T&P, scaffoldings etc complete as per the direction of EIC	Sqm	150		
36	S & F Iron frame & shutter with fittings	Supplying & fixing iron chokath and shutters with all fittings including dismantling the existing door/window, grouting the clamps with CC(1:2:4), making good the damaged wall, painting the door/window with two coats of enamel paint over a coat of primer, including all cost, conveyance, royalties of all materials, labour, T&P etc complete as per direction of EIC. (Iron chokath are to be made up of 40x40x6 mm MS angle with 6 clamps and hinges welded to frame with locking arrangement on both sides. Iron shutter to be made up of 18 gauge sheet welded to MS angle frame of 25x25x5 mm having intermediate stiffener of 19x5 mm flat with all fitting and fixtures)	kg	460		
37	Removing & Refixing Door/ window shutter	Removal of steel/wooden door/ window shutter and refixing the same after necessary rectification including all cost of labour, fittings, T&P, nails, scaffoldings etc. complete as per direction of EIC.	No	20		
38	Repairing & easying door/ window shutter	Repairing, easying and maintenance to doors & windows (Steel/ wooden) to bring them to proper size, shape for closing it perfectly including all cost of materials, fitting, labour, welding charges, T&P, scaffoldings, dismantling, refixing as per requirement etc. complete as per direction of Engineer-in-charge.	No	30		

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39	Aluminium channel beading 9mm	Taking out the glass pane from window frame after removing putty and refixing the same using 9mm. aluminium channel beading screwed to window frame after drilling holes at any height of building including cost of aluminium channel, screws, labour for drilling holes, T&P, wastage, transportation, scaffoldings etc. complete as per direction of Engineer-in-charge.	Meter	100		
40	S & F 4mm clear acrylic sheet in windows	Providing and fixing of 4mm thick clear acrylic sheet in window with 9mm aluminium channel beading, screwed to the frame after drilling holes etc. complete at any elevation including cost of acrylic sheets, T&P, scaffoldings, wastage, transportation etc. complete as per direction of EIC.	Sqm.	500		
41	Repairing/easying aluminium door/window	Labour charges for removing aluminium door/window from its position, tightening the screw including drilling new holes and fixing new screw where ever required after removing the glass / acrylic pane, correcting the frame, fixing the shutter with necessary rectification in its original position so as to operate smoothly including all cost of labour, T&P, scaffoldings etc. as per direction of EIC.	Sqm.	80		
42	S & F 25mm PVC door with frame & fitting	Providing, fitting & fixing 25mm thick PVC door of Sintex or equivalent make with frame of 40mmx48mm and all fittings, fixtures such as aluminium handles, aldrops, tower bolt with screws, nails, putty after dismantling and removing of whole existing chowkath and shutter and staking the same for reuse and making good to all damaged walls and floor including all cost, conveyance, roalties of all materials required for the work, T & P, scaffoldings and labour charges etc. complete as per direction of EIC.	Sqm.	30		
43	S & F 32mm Flush Door Shutter	Providing & fixing of 32mm thick flush door shutter including cost, conveyance, labour, T&P, scaffoldings etc. complete as per direction of Engineer-in-charge.	Sqm.	50		
44	Gypsum board ceiling with GI metal frame	Providing & fixing 12mm thick gypsum board with G.I. metal frame work for ceiling including all cost, conveyance, labour, T&P, scaffoldings etc. Complete as per direction of Engineer-in-charge.	Sqm	200		
45	Repairing hydraulic door closer	Repair of hydraulic door closer with necessary spares including all labour, T&P, etc. complete as per direction of Engineer-in-charge.	No	30		
46	CP Aldrop 250mm long	Providing & fixing CP Aldrop 16mm dia 250mm long in doors/ windows including all cost of materials, T&P, screws, labours, scaffoldings etc. complete as per direction of Engineer-in-charge.	No	30		
47	Aluminium tower bolt 150mm long	Providing & fixing Aluminium Tower bolt 150mm long in doors/ windows including all cost of materials, T&P, screws, labours, scaffoldings etc. complete as per direction of Engineer-in-charge.	No	30		
48	Aluminium handle 150mm long	Providing & fixing Aluminium Handle 150mm long in doors/ windows including all cost of materials, T&P, screws, labours, scaffoldings etc. complete as per direction of Engineer-in-charge.	No	30		
49	Door Stopper medium duty	Providing & fixing Door Stopper (Medium Duty) long in doors/ windows including all cost of materials, T&P, screws, labours, scaffoldings etc. complete as per direction of Engineer-in-charge.	No	30		
50	Hydraulic Door Closer (cylindrical)	Providing & fixing Hydraulic Door Closure (Cylindrical) of Hyper / Godrej / equivalent make in doors including all cost of materials, T&P, screws, labours, scaffoldings etc. complete as per direction of Engineer-in-charge.	No	30		

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SI No	Short Description	Item description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
51	Hydraulic Floor Spring for Al.door	Providing & fixing Hydraulic Floor Spring of Godrej / equivalent make for Aluminium / Glass doors including all cost of materials, T&P, screws, labours, scaffoldings etc. complete as per direction of Engineer-in-charge.	No	30		
52	Removing & Refixing Wooden partition	Labour for dismantling the existing wooden partition and re-erection of wooden partition with re-usable materials with sal wood frame of 2"x3" size with beads of 1"x5" size with 12mm thick both sides pre-laminated particle board including cost of all materials, labour, T&P, scaffoldings, nails, paint etc. complete as directed by department. (Measurement will be taken for finished product)	Sqm.	10		
53	Aluminium Partition with acrylic sheet	Providing, fitting and fixing up partition walling OEL aluminium anodized section No.9210 and 9207 as single groove and double groove respectively as horizontal and vertical member and OEL section 4660 as Tapered clip for fixing up 4mm thick acrylic sheet/12mm thick prelaminated board and jointing angle No.1855 etc including cost of all materials, labour, T&P, scaffoldings, nails, paint etc. complete as per direction of Engineer-In-Charge.	Sqm	30		
54	S & Fixing MS window grills	Fabricating and supplying window grills made of 19x5mm M.S. flat and fixing the same with the existing windows as per approved design including cost of all materials, conveyance, labour, scaffolding, T&P etc. complete as per direction of Engineer-in-charge.	Kg	100		
55	Fabrication & erection of Iron work	Fabrication & erection of Iron work wrought and put up in any structural steel work including cost of all materials, conveyance, T & P, scaffoldings, labour charges etc. complete as per direction of Engineer-in-charge.	Qntl.	4		
56	MS Reinforcement work (Tor / Plain)	Straightening, cutting, bending, binding and tying reinforcement grills of M.S reinforcement bar (Tor or Plain) of SAIL / Jindal/ Tata make in position including cost of steel and binding wire 18 to 20 gauge complete and also including conveyance, T & P, scaffoldings, labour charges etc. as per direction of EIC	Qntl.	140		
57	White wahing 02 coats	White washing two coats with best shell lime at all heights and elevations including cost of all materials, conveyance, T&P, scaffoldings, labour charges etc. complete as per direction of Engineer-in-charge.	Sqm.	400		
58	Distemper 02 coats	Providing & applying 02 coats of distemper of approved shade of ASIAN/ SHALIMAR/ BURGER/ TATA make after cleaning the area, preparation of surface including cost of all materials, conveyance, scaffolding ,labour charges etc. complete as per direction of EIC.	Sqm.	2,000		
59	Cement Paint (Snowcem) 02 coats	Providing & painting water proof cement paint of ASIAN/ SHALIMAR/ BURGER/ TATA make of approved shade two coats after rubbing and cleaning the old paint and heavy moss from walls exposed to weather including cost of all materials, conveyance, scaffolding, curing and labour charges etc. as per direction of EIC.	Sqm.	2,000		
60	Weather Coat 02 coats	Providing & applying two coats of weather proof anti fungal exterior emulsion paint on old/new work of ASIAN/ SHALIMAR/ DULUX make of approved shade after preparation of the wall surface including cost of all materials, conveyance, scaffolding and labour charges etc required for the work complete as per direction of EIC.	Sqm.	2,200		

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61	Plastic Emulsion Paint 2coat over primer	Providing and applying two coats of approved shade plastic emulsion paint of ASIAN/ BERGER/ DULUX make over a coat of primer on new work by means of roller brush including preparation of base with a approved quality acrylic based putty and finishing the surface smooth including cost of all materials, labour, scaffolding , T&P etc. complete as per direction of EIC.	Sqm.	1,800		
62	Synthetic enamel paint 02 coats	Providing & applying 02 coats of synthetic high gloss enamel paint of approved shade of Asian/ Berger/ Dulux/ Salimar make on wood/iron work including cost of all materials, labour, scaffolding , T&P etc. complete as per direction of EIC.	Sqm.	1,400		
63	Synthetic enamel paint 2coat over primer	Providing & applying 02 coats of synthetic high gloss enamel paint over a coat of primer of approved shade of Asian/ Berger/ Dulux/ Salimar make on wood/iron work including cost of all materials, labour, scaffolding , T&P etc. complete as per direction of EIC.	Sqm.	1,400		
64	GCI Sheeting work (22 Gauge)	Providing & Fixing 0.40mm thick (22 Gauge) GCI sheet in roof including cost of all materials, conveyance, labour charges, T & P, scaffoldings etc. complete in all respect as per direction of Engg- In-Charge	Sqm.	100		
65	4-course water proofing treatment	Providing and laying 4 course water proofing treatment over roof with bitumen felt, hessain base type-3, grade-I conforming to IS:1322. 1st & 3rd courses of Blown/Residual Bitumen applied hot @ 1.45 Kg/sqm of area of each course. 2nd course of Bitumen felt and 4th & final courses of coarse sand @ 0.006 cum/sqm including preparation of surface, cost of all materials, conveyance, royalties of all materials, T&P, scaffoldings and labour charges etc. complete as per direction of Engineer-in-charge.	Sqm.	110		
66	Barbed wire fencing with post	Providing & fixing barbed wire fencing and post by means of staples and straining hooks tying with G.I. wire including cost of staples, hooks and barbed wires etc, labour charges, T&P, complete as per direction of Engineer-in-charge.	Meter	200		
67	Repairing of Road Pot holes with metal	Collecting, conveying, supplying, stacking and spreading 25mm to 40mm size hard granite crusher broken metal to proper camber in the pot holes or at place wherever required and consolidation with PRR including hire & running charges of PRR, turfeding, watering including cost of all materials, conveyance, royalties and labour charges etc. complete as per direction of Engineer-in-charge.	Cum.	140		
68	Suppling & Spreading Moorum with rolling	Collecting, conveying, supplying & stacking at work site good laterite moorum and spreading and consolidation with PRR including hire and running charges of PRR including cost of all materials, conveyance, royalty, T&P and labour charges etc. complete as per direction of Engineer-in-charge.	Cum.	40		
69	Road Soling with laterite stone & moorum	Collecting, conveying from stacks and soling road surface with laterite soling stones including filing the interstices with moorum watering and consolidation with PRR including hire & running charges of PRR & T&P, turfeding etc. complete as per direction of Engineer-in-charge.	Cum.	40		
70	Labour charges for Spreading of metal	Conveying from stacks and spreading metal for patch or pot holes repair and consolidation with PRR including hire & running charges of PRR & T&P, turfeding etc. complete as per direction of Engineer-in-charge.	Cum.	40		

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71	75mm built-up spray grout with bitumen	Labour charges for scrapping, cleaning the road surface, applying tack coat using 3.0 Kg of bitumen for 10 sqm area and laying 75mm thick built up spray grouting in 02 layers of 37.5mm thick using each layer using 0.45 cum of 25mm to 40mm size hard granite metal and 12.00 kg penetration grade of bitumen for 10 sqm in each layer with 0.12cum of 12mm side hard granite chips as key stone for 10 sqm spreading over and laying including heating, pouring and spreading over and spreading bitumen metal and chips and rolling with PRR including hire & running charges of PRR & cost of bitumen and all other machineries but including cost of materials & chips, conveyance, royalties, completed as per specification & direction of Engg.-in-Charge.	Sqm.	200		
72	Flank Dressing to proper camber	Flank dressing to proper camber including cutting, filling of earth and disposing the extra earth within 50m lead including all cost of labour, T&P, PPEs etc. complete as per direction of Engineer-in-charge.	Sqm.	90		
73	Road work with 20mm thick premix carpet	Scraping, cleaning the road surface and laying 20mm thick premix carpet using 0.18 cum of 12 mm to 20mm chips and 0.09 cum of 6mm chips for 10 sqm with 14.82 kg of bitumen for precoating & 9.076 kg of bitumen for tack coat including hire and running charges of PRR including cost of bitumen, conveyance, royalties etc. complete in all respects but including cost of chips (without using HMP) etc. complete as per direction of Engineer-in-charge.	Sqm.	150		
74	Road work with 6mm pre-coated seal coat	Labour for laying 6mm thick pre-coated seal coat using 0.06 cum of 6mm size chips etc. complete including 6 mm sand blinding (Without using HMP) including cost of all materials, conveyance, royalties, T & P etc. as per direction of EIC	Sqm.	150		
75	Reflective Sticker - size 150mmx75mm	Providing, cutting and fixing reflective sticker of Letter size 150 x 75mm as per direction of EIC.	No.	10		
76	Reflective Sticker - size 100mmx75mm	Providing, cutting and fixing reflective sticker of Letter size 100 x 75mm as per direction of EIC.	No.	10		
77	Reflective Monogram - size 250mmx200mm	Providing, cutting and fixing of Reflective Monogram size 250mm x 200mm as per direction of EIC.	No.	10		
78	Reflective side margin - size 25mm width	Providing, cutting and fixing of Reflective Side margin of 25mm width per direction of EIC.	Meter	10		
79	Writing Sign Board with enamel paint	Writing on sign boards/walls etc. with any letter size with enamel paint including painting of base with any approved shade at any elevation including cost, conveyance, scaffolding, T&P, labour etc. complete as per direction of Engineer-in-charge.	Sqm.	10		
80	S & Fixing PVC rain water pipe 100mm dia	Providing, fitting and fixing 100mm dia ISI marked PVC rain water down pipe of Supreme/ Oriplast or equivalent with necessary clamps, nails, bends, shoes, heads etc. including cost of all materials, conveyance, T&P, scaffoldings required for the work as per direction of EIC.	Meter	200		
81	Cutting & Cleaning of Wild Grass/ bushes	Cutting and Cleaning of wild grass and thick bushes and disposing away from work site including cost, conveyance, labour, T&P etc. complete as per direction of Engineer-in-charge.	Sqm	100,000		
82	Labour charges for repairing of PH work	Labour for fitting/ fixing/ repair of all type of internal water supply and sanitary installations including all labour charges, T&P, scaffolding, statutory benefits, safety, etc. complete as per direction of Engg.-in-charge.	Manday	70		

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83	S & Fixing of Acid resistant tile work	Supply and Fixing of Acid resistance tile of approved brand & shade in floors, treads on 25mm thick cement mortar (1:4) jointed with neat Adhic cement slurry with colour pigment matched to tiles including cost of all materials, conveyance, royalties, T&P, scaffolding and labour charges etc. complete as per direction of EIC.	Sqm	40		
84	Fixing charges of Acid resistant tile	Fixing of Acid resistance tile in floors, treads on 25mm thick cement mortar (1:4) jointed with neat Adhic cement slurry with colour pigment matched to tiles including cost of all materials except tile, conveyance, royalties, T&P, scaffolding and labour charges etc. complete as per direction of EIC.	Sqm	20		
85	S & Fixing Aluminium Door excludng glass	Providing and fixing aluminium door with approved aluminium box section, other fitting & fixtures like taper clips, U-rubers, handles locks, hinges, latches and floor spring etc complete (excluding sheet & glass) including all cost of all materials required for the work and labour & T&P complete as per direction of EIC.	sqm	50		
86	Ash Brick soling with 50mm sand bed	Providing and laying of ash bricks (brick soiling) with 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. including all cost of labour, conveyance, royalties, T&P, etc. complete as per direction of Engineer-in-charge. (Ash brick will be supplied free of cost from ash brick manufacturing plant)	cum	120		
87	XYPEX Concrete water proofing work	Providing and applying "XYPEX concrete water proofing by crystallization" Or equivalent to be supported by at least two international test reports showing clear scanning electron microscopic (SEM) photographs of densified and mature crystals formation to plug all the capillary tracks and pores of the concrete permanently and permeability test as per IS 2720 conducted water more than 1.5 gms and not more than 1mm from the concrete surface. The product to be listed in ICC-ES EVALUTION REPORT INDEX January 2009 and the product should be green certified under any Ecolable program. The treatment to be carried out as per the technical details provided in the technical section of the tender on the concrete surface including cleaning all RCC surface as per manufactures' specification/ datasheet. 10 years old performance certificate of the product shall be submitted to the Engineer-in-charge. (a) Cleaning of slabs and plugging of holes with XYPEX path & plug mortar. (b) Cutting the concrete at vertical and horizontal joint and plugging with XYPEX concrete mega mix mortar. (c) Water proofing horizontal/verticals slab with XYPEX concentrate@0.80kg/Sqmt. The rate is inclusive of all materials, labour, royalties, conveyance, T&P complete as per direction of EIC	Sqm	50		
88	Removing Old tarfelt / APP membrane	Removing old tarfelt/ APP membrane from roof slab, cleaning the surface, lowering and removing the debris with in 50m lead including cost of all materials required for the work and labour & T&P, scaffoldings complete as per direction of EIC.	Sqm	1,000		
89	Colour Coated Trapezoidal sheet 0.5mm	Providing & fixing of colour coated trapezoidal steel sheets 0.5mm thickness of approved make Jindal/ Bhusan/ Everest / equivalent in roof including drilling holes, cost of M/S screw 50X8mm (ISI), conveyance, labour charges, T & P etc complete in all respect as per direction of EIC.	Sqm	800		

Bill of Quantities & Price Bid Format						
Annual Civil Maintenance Jobs in Main Plant Area (OPGC-II) at ITPS 2023-25						
SI No	Short Description	Item description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
90	Colour Coated Ridge 0.5mm thick sheet	Providing & fixing of colour coated Ridge steel sheets 0.5mm thickness of approved make Jindal/ Bhusan/ Everest / equivalent in roof including drilling holes, cost of M/S screw 50X8mm (ISI), conveyance, labour charges, T & P etc complete in all respect as per direction of EIC.	Sqm	200		
91	3mm APP membrane work of roof slab	Providing and laying high performance torch applied APP based membrane of 3mm thickness, APP modified water proofing Membrane (STP/ SIKA/ Equivalent MAKE) with non woven polyester mat reinforcement of 160 GSM Prefabricated & self finished five layered design super imposed with 20 micron thermo fusible film by applying primer, conforming to IS 3384@ 0.325Kg SQM (Oil based) & allowing it to dry & then torching of the membrane with the help of LPG gas torch keeping overlapping of 4" at the side & 4" at the bottom & fusing of all joints by gas torching & trowelling with round shape small steel trowel & complete with all joints etc including preparing the surface, cost of all materials, conveyance, T&P, scaffolding, labour charges etc complete as per the direction of EIC.	Sqm	100		
92	Interlocking Paver block 60mm M-30 grade	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. including all cost of all materials, labour, material, conveyance, royalties, loading, unloading, T&P etc. all complete as per the direction of Engineer-in-charge.	Sqm	100		
93	SS hand railing work (304 grade)	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in stair case as per approved design and specification, buffing, polishing etc including cost of all materials, conveyance, labour, T&P etc. required for the complete in all respect as per direction of EIC	Meter	50		
94	32mm laminated Flush door with fittings	Supplying fitting and fixing in position 32mm thick single leaf Grade-1 flush door conforming to IS:2202 (part 01/1991) with select seasoned timber and block board core framed with seasoned hard wood battens and bonded at high pressure with phenol formaldehyde resin under the cross banding process, termite resistant and moisture proof with both side 1mm thick laminates fixed to a pattern and finished with wooden lipping and beading on the surface including cost of SS hing, cost of anodized aluminium hardware fittings, including cost of all material, labour, conveyance, loading, unloading, T&P and painting the wooden surface with an approved shade of synthetic enamel paint and finishing etc all complete as per directions of Engineer-in-charge.	Sqm	10		

Bill of Quantities & Price Bid Format						
Annual Civil Maintenance Jobs in Main Plant Area (OPGC-II) at ITPS 2023-25						
SI No	Short Description	Item description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
95	uPVC glazed sliding door/ windows	Supply and fixing of uPVC Sliding glazed uPVC Window made out of hollow multi-chambered uPVC sections having isolated drainage and reinforced through out with galvanised steel. The corners and joint shall be mitre cut and fusion welded. The 2 track & 3track outer frame of the window shall be made out of uPVC sections having an overall size of 60 mm x45 mm & 108 x 45 mm having wall thickness of 2.2 mm (Code: 41201-02000 & 41201-01000), provided with steel reinforcement through out uPVC profile and size 13mm x 33 mm. Adaptor track of sizes (24mm X35mm) for bug mesh. The sashes/ shutters shall be made out of uPVC sections having an overall size of 39 mm x 58 mm having wall thickness of 2.2 mm (Code: 41201-03100). It is also reinforced with steel reinforcement through out of uPVC profile and size of 9 mm x 28 mm. Sliding screen system sash of sizes 18.5mmX42.5mm shall be provided with fibre glass bug mesh. The glazing shall be provided of size 5mm thick toughened glass with the outer glass UV resistant and the inner one clear with 10 mm air gap / argon gas in between glass with suitable snap fit glazing and function beading. The single glass beading shall be made of unplasticized polyvinyl chloride section having an overall size of 18 mm x 20 mm having wall thickness of 2.2 mm (Code: 41101-04400). Weathering strips and seals shall be manufactured out of TPV (Thermo plastic vulcanised). Weather gasket and glazing gasket shall be provided in the grooves to hold the glass and panel for the frame and shutter. All hardware are made out of SS-304 and SS - 430 coated materials, resistant to atmospheric corrosion. Complying with relevant standard specification and as directed by the Engineer-in- Charge. The model and brand of the uPVC window shall be got approved by the Engineer-in-Charge before fixing.	Sqm	10		
96	S & Fixing 25mm dia CPVC Pipes & fitting	Providing and fixing of 25mm dia chlorinated polyvinyl chloride (CPVC) pipes (as per IS-15778-2007 of SDR- 11 class-1 grade similar to ASTM D 2846) on the surface with proper clamping system, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete. The rates are inclusive of cost of all materials, labour, T & P, conveyance, scaffolding etc as per direction of EIC	Meter	1,000		
97	S & Fixing 32mm dia CPVC Pipes & fitting	Providing and fixing of 32mm dia chlorinated polyvinyl chloride (CPVC) pipes (as per IS-15778-2007 of SDR- 11 class-1 grade similar to ASTM D 2846) on the surface with proper clamping system, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete. The rates are inclusive of cost of all materials, labour, T & P, conveyance, scaffolding etc as per direction of EIC	Meter	350		
98	S & Fixing 50mm dia CPVC Pipes & fitting	Providing and fixing of 50mm dia chlorinated polyvinyl chloride (CPVC) pipes (as per IS-15778-2007 of SDR- 11 class-1 grade similar to ASTM D 2846) on the surface with proper clamping system, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete. The rates are inclusive of cost of all materials, labour, T & P, conveyance, scaffolding etc as per direction of EIC	Meter	70		
99	CP Pillar cock FLR-5011N Jaquar	Supplying and fixing of Pillar cock FLR-5011N, Jaquar make with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	60		

Bill of Quantities & Price Bid Format						
Annual Civil Maintenance Jobs in Main Plant Area (OPGC-II) at ITPS 2023-25						
SI No	Short Description	Item description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
100	15mm angular stop cock FLR-5053N Jaquar	Supplying and fixing of 15mm dia angular stop cock (CP on brass) Jaquar, FLR-5053N make with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	60		
101	15mm CP Bib cock FLR-5047N Jaquar	Supplying and fixing of 15mm dia Bibcock (CP on brass) Jaquar, FLR-5047N make with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	60		
102	Health Faucet ALD-573 Jaquar	Supplying and fixing of Health faucet Jaquar, ALD- 573 make with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	60		
103	CP Soap holder Jaquar AKP-35731P	Supplying and fixing of C.P. Soap holder (heavy quality) Jaquar, AKP-35731P make with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	12		
104	32mm dia C. Bottle trap Jaquar ALD-769	Supplying and fixing of 32mm dia C.P. Bottle trap Jaquar, ALD-769 make with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	8		
105	Toilet paper holder Jaquar AHS-1553	Supplying and fixing of Toilet paper holder Jaquar AHS-1553 make with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	12		
106	Glass Shelf 600x125mm Jaquar AKP-35771P	Supplying and fixing of 5mm thick Glass shelf with cp bracket and hinged guard rail of size 600mm x 125mm. (Jaquar, AKP-35771P make) with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	10		

Bill of Quantities & Price Bid Format						
Annual Civil Maintenance Jobs in Main Plant Area (OPGC-II) at ITPS 2023-25						
SI No	Short Description	Item description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
107	CP sink cock Jaquar FLR-5347ND	Supplying and fixing of CP sink cock Jaquar, FLR-5347ND make with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	6		
108	CP Towel ring 200mm Jaquar AKP-35721D	Supplying and fixing of CP Towel ring 200 mm dia Jaquar, AKP-35721D make with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	8		
109	S & Fixing CP Extension piece 15mm	Supplying and fixing of CP Extension piece 15mm with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	20		
110	S & Fixing CP Flanges	Supplying and fixing of CP Flanges with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	10		
111	S & Fixing Robe hook Jaquar ACN-1191N	Supplying and fixing of Robe hook Jaquar, ACN-1191N make with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	6		
112	Long body Bibcock Jaquar CON-107KN	Supplying and fixing of Long body Bibcock Jaquar, CON-107KN make with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	8		
113	PVC water tank 2000 liter with Lid	Supplying and fixing of PVC over head tank 2000 lit capacity with Lid / cover of Sintex / Equivalent make with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	2		
114	PVC Long Bend for Cistern	Supplying and fixing of PVC Long bed for cistern with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	40		

Bill of Quantities & Price Bid Format						
Annual Civil Maintenance Jobs in Main Plant Area (OPGC-II) at ITPS 2023-25						
SI No	Short Description	Item description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
115	S & Fixing water connection pipe	Supplying and fixing of Water connection Pipe with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	100		
116	S & Fixing CP Gratings	Supplying and fixing of CP Grating with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	60		
117	S&F White Vitreous China Clay Indian Pan	Supplying and fixing of White Vitreous China Clay Indian Pan of approved make Hind ware/ Perry ware including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	12		
118	S&F White Vitreous China Clay Wash Basin	Supplying and fixing of White Vitreous China Clay Wash Basin of approved make Hind ware/ Perry ware including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	12		
119	White Vitreous China Clay Urinal long	Supplying and fixing of White Vitreous China Clay Urinal Long Vertical (Gents) of approved make Hind ware/ Perry ware including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	10		
120	S & Fixing Urinal Waste	Supplying and fixing of Urinal Waste with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	120		
121	S & Fixing slim LL cistern for WC	Supplying and fixing of Slime line Cistern for Water Closet with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	20		
122	S & Fixing CP waste coupling 1 1/4"	Supplying and fixing of CP Waste Coupling 1 1/4" with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	10		
123	S & Fixing Brass Ball cock 15mm to 50mm	Supplying and fixing of Heavy Brass Ball cock 15mm to 50mm with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	40		

Bill of Quantities & Price Bid Format						
Annual Civil Maintenance Jobs in Main Plant Area (OPGC-II) at ITPS 2023-25						
SI No	Short Description	Item description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
124	S & F PVC Brass Ball cock 15mm to 50mm	Supplying and fixing of PVC Brass Ball cock 15mm to 50mm with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	40		
125	S & Fixing PVC Bib Cock 15mm	Supplying and fixing of PVC Bib Cock 15mm with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	40		
126	S & Fixing PVC Pillar Cock 15mm	Supplying and fixing of PVC Pillar Cock 15mm with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	40		
127	S & Fixing Brass ball valve 15mm to 50mm	Supplying and fixing of Brass ball valve 15mm to 50mm with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	36		
128	S & F Mirror 20"x16" with back plate	Supplying and fixing of Mirror 20" x 16" with back plate leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	14		
129	S & F 15mm dia CP concealed stop cock	Supplying and fixing of 15mm dia concealed stop cock (CP on Brass) with leak proof threaded joints tightened with spun yam and white zinc or any other method as required and directed including testing and rectification of defects after testing, including all cost of labour, materials, conveyance, loading, unloading, T&P etc. all complete as per direction of Engineer-in -charge.	nos	20		
130	Toilet urinal partition Jaquar cat-810US	Providing and fixing of 12mm toughened glass PARTITION fixed to the wall and partition by Manet fittings of any approved make as per the detail design and specifications. This is also inclusive of providing a pattern with stickers as per the detail design and specifications. (Toilet urinal partition Jaquar cat No-1810US) including cost of all materials, labour, conveyance, T& P, complete as per direction of EIC	Nos	8		
131	UPVC SWR pipes & fittings- 110mm dia	Supplying, fitting & fixing of 110 mm dia Supreme/ equivalent make UPVC SWR pipes & fittings of approved make conforming to IS-13592, both below & above ground level/floor & on walls including supply of bobbins, nails, screws, wooden cleats, MS clamps, pipe clip as per requirement, including earth work in excavation & fitting, including cutting walls & floor & making good the damages with cement concrete (1:2:4) with hard granite chips, including scaffolding wherever necessary, including all cost of labour, material, T&P etc all complete as per direction of the Engineer-in -charge.	Meter	90		

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Annual Civil Maintenance Jobs in Main Plant Area (OPGC-II) at ITPS 2023-25						
SI No	Short Description	Item description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
132	UPVC SWR pipes & fittings- 75mm dia	Supplying, fitting & fixing of 75 mm dia Supreme/ equivalent make UPVC SWR pipes & fittings of approved make conforming to IS-13592, both below & above ground level/floor & on walls including supply of bobbins, nails, screws, wooden cleats, MS clamps, pipe clip as per requirement, including earth work in excavation & fitting, including cutting walls & floor & making good the damages with cement concrete (1:2:4) with hard granite chips, including scaffolding wherever necessary, including all cost of labour, material, T&P etc all complete as per direction of the Engineer-in -charge.	Meter	90		
133	UPVC SWR fitting -110mm P-trap	Supplying, fitting & fixing of 110mm dia "P" trap of Supreme / equivalent make UPVC SWR fittings of standard make duly approved by Engineer-In-Charge complete with requisite testing as directed including cost of all materials, labour, conveyance, T&P, scaffolding etc complete.	nos	30		
134	UPVC SWR fitting -Nahani Trap	Supplying, fitting & fixing of Nahani Trap of Supreme / equivalent make UPVC SWR fittings of standard make duly approved by Engineer-In-Charge complete with requisite testing as directed including cost of all materials, labour, conveyance, T&P, scaffolding etc complete.	nos	40		
135	UPVC SWR 110mm Single Junction Door	Supplying, fitting & fixing of 110mm dia single junction with Door of Astral Ultra Drain/ Supreme / equivalent make UPVC SWR fittings of standard make duly approved by Engineer-In-Charge complete with requisite testing as directed including cost of all materials, labour, conveyance, T&P, scaffolding etc complete.	nos	36		
136	UPVC SWR 110mm Plain Bend	Supplying, fitting & fixing of 110mm dia plain bend of Astral Ultra Drain/ Supreme / equivalent make UPVC SWR fittings of standard make duly approved by Engineer-In-Charge complete with requisite testing as directed including cost of all materials, labour, conveyance, T&P, scaffolding etc complete.	nos	36		
137	UPVC SWR 110mm clamps for pipe	Supplying, fitting & fixing of 110mm dia clamps for Pipe of Astral Ultra Drain/ Supreme / equivalent make UPVC SWR fittings of standard make duly approved by Engineer-In-Charge complete with requisite testing as directed including cost of all materials, labour, conveyance, T&P, scaffolding etc complete.	nos	50		
138	UPVC SWR 110mm 90 degree bend	Supplying, fitting & fixing of 110mm 90 degree bend of Astral Ultra Drain/ Supreme / equivalent make UPVC SWR fittings of standard make duly approved by Engineer-In-Charge complete with requisite testing as directed including cost of all materials, labour, conveyance, T&P, scaffolding etc complete.	nos	20		
139	UPVC SWR 110mm vent cowl	Supplying, fitting & fixing of 110mm dia Vent Cowl of Astral Ultra Drain/ Supreme / equivalent make UPVC SWR fittings of standard make duly approved by Engineer-In-Charge complete with requisite testing as directed including cost of all materials, labour, conveyance, T&P, scaffolding etc complete.	nos	20		
140	Earth work dressing & levelling with JCB	Earth excavation/ levelling & dressing etc by using JCB in mechanized manner including all costs, conveyance, fuels, mobilisation & demobilisation at site, T&P & labour charges etc, complete in all respect as per the direction of Engineer-in-charge as and when required.	Hour	80		
141	Erection of Scaffolding with MS Pipe	Erection of scaffolding with standard MS pipes and dismantling including all cost, conveyance and labour charges required for the work complete in all respect as per the direction of EIC .	Sqm	40		

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Annual Civil Maintenance Jobs in Main Plant Area (OPGC-II) at ITPS 2023-25						
SI No	Short Description	Item description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
142	Plasterboard suspended ceiling system	Supply and fixing of USGBORAL ST-55 Standard plasterboard suspended ceiling system. Metal System: This includes Sheetrock® Brand ST 55 Perimeter Channel (0.55mm thick having one flange of 21mm and another flange of 28mm and a web of 25mm) screw fixed to brick wall/partition with the help of approved screws at 600mm centers. Then suspending Sheetrock (R) brand ST55 intermediate channel (38mmx14mmx0.9mm thick with two flanges of 14mm each) from soffit at 1220mm centers with Sheetrock (R) Brand ST 55 Ceiling angel (25x10mmx0.55mm thick) fixed to RCC Slab with Sheetrock(R) brand ST 55 Soffit cleat and Approved Fasteners @600 mm Centers respectively . Sheetrock(R) Brand ST 55 Ceiling section (having Knurled web of 48mm and two flanges of 24mm each with lips of 8.9mm) are then fixed to the intermediate channel with the help of connecting clip(2.5mm Dia) and in perpendicular direction to the intermediate channel at 457mm centers. The rate is inclusive of all materials, labour, T&P, conveyance, scaffoldings etc complete as per direction of EIC	Sqft	600		
143	Grouting with Non-shrink Grouts GP-20	Supplying and providing Non-shrink grouts (preferably with grouting powder conbextra GP2 / equivalent) in foundation bolt holes, pockets and column bases after aligning and levelling of steel structure including cleaning holes and foundation tops, providing shuttering, mixing, placing, compacting and curing, all as per drawings, specifications and direction of EIC all materials, conveyance, loading and unloading cost of all labour, sundries, T&P etc. complete as per direction of EIC.	Cum	12		
TOTAL VALUE IN INR (EXCLUDING GST)						
GST SHALL BE EXTRA AT ACTUALS, APPLICABLE % ALONG WITH SAC CODE TO BE INDICATED						