

BOQ & PRICE BID FORMAT (NIT No. ITPS/Unit 3 & 4/21-22/098, Date: 25/05/2021)

Name of the work:-"Annual Civil Maintenance works in Main Plant area Unit-3&4 , OPGC -II at ITPS" (For 02 years).

Sl.No.	Item description	Unit	Quantity		Total Qty	Unit Rate (Rs)	Amount (Rs)
			1st year Qty.	2nd year Qty.			
1.00	Earth work 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.	350.00	350.00	700.00		
2.00	Back filling in foundation with excavated materials in layers including watering & ramming with rammers including all cost of labour,T&P, taxes etc. complete as per direction of Engineer-in-charge.	Cum.	75.00	75.00	150.00		
3.00	Supplying and Filling of sand in foundation and plinth, watering and ramming including all cost, conveyance, T& P, taxes & duties of all materials and labour charges etc. complete as per direction of Engineer-in-charge.	Cum.	40.00	40.00	80.00		
4.00	Providing and laying PCC (1:4:8) using 40mm size h.g. crusher broken metal laid in layers exceeding 150mm.depth including watering, ramming, curing,cost conveyance, royalties, taxes of all materials, T&P and labour charges etc. complete as per direction of Engineer-in-charge.	Cum.	1.00	1.00	2.00		
5.00	Providing and laying PCC (1:3:6) using 25 to 40mm size h.g. crusher broken metal including watering,ramming,curing,cost, conveyance, royalties taxes of all materials,T&P and labour charges etc. complete as per direction of Engineer-in-charge.	Cum.	60.00	60.00	120.00		
6.00	Providing and laying Cement Concrete (1:2:4) using12mm size h.g. crusher broken chips including laying of concrete, watering, curing, cost,conveyance,royalties taxes of all materials, T&P and labour charges etc. complete as per direction of Engineer-in-charge.	Cum.	35.00	35.00	70.00		
7(I)	Providing & laying reinforced cement concrete(1:1.5:3) with 12-20 mm.size h.g. crusher broken chips including laying of concrete, watering, curing, cost, conveyance, royalties, taxes of all materials, labour, centering shuttering, T&P, PPEs etc. complete excluding cost of steel as per direction of Engineer-in-charge.				0.00		
a)	Upto '0' Mtr.height	Cum.	120.00	120.00	240.00		
b)	Upto 5.0 Mtr.height	Cum.	3.00	3.00	6.00		
c)	Upto 10.0 Mtr. height	Cum.	2.00	2.00	4.00		
d)	Upto 15.0 Mtr.height	Cum.	1.00	1.00	2.00		
e)	Above 15.0 Mtr.height at any elevation	Cum.	1.00	1.00	2.00		
7(II)(a)	Rigid and smooth centering and shuttering for R.C.C works including false works and dismantling them after casting including cost of materials complete in ground floor.				0.00		
a)	Upto '0' Mtr.height	Sqm	65.00	65.00	130.00		
b)	Upto 5.0 Mtr.height	Sqm	2.00	2.00	4.00		
c)	Upto 10.0 Mtr. height	Sqm	2.00	2.00	4.00		

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			1st year Qty.	2nd year Qty.			
d)	Upto 15.0 Mtr.height	Sqm	1.00	1.00	2.00		
e)	Above 15.0 Mtr.height at any elevation	Sqm	1.00	1.00	2.00		
8.00	Ash Brick masonry with cement mortar(1:6) in foundation and plinth including aplays cutting, watering, curing, cost, conveyance, royalties, taxes of all materials, T&P and labour charges etc. complete as per direction of Engineer-in-charge but excluding cost of ash brick. (Ash brick will be supplied free of cost at ash brick manufacturing)	Cum.	65.00	65.00	130.00		
9.00	Ash Brick masonry with cement mortar(1:6) in superstructure including aplays cutting, curing, watering, cost, conveyance, royalties, taxes of all materials, T&P and labour charges etc. complete as per direction of Engineer-in-charge but excluding cost of ash brick. (Ash brick will be supplied free of cost at ash brick manufacturing plant)	Cum.	90.00	90.00	180.00		
10.00	Providing and applying 12mm thick cement plaster with cement mortar(1:6) at any height over brick masonry work finished smooth after taking out joints including watering, curing, cost, conveyance, royalties, taxes of all materials, T&P and labour charges etc. complete as per direction of Engieer-in-charge.	Sqm	900.00	900.00	1800.00		
11.00	Providing 12mm thick cement plaster with CM(1:4) at any height over brick masonry work finished smooth after racking out joints with neat cement punning including watering, curing, cost, conveyance, taxes of all materials, T&P and labour charges etc. complete as per direction of Engg.-in-charge.	Sqm	75.00	75.00	150.00		
12.00	Cement punning over cement plaster including watering, curing, cost, conveyance, taxes of all materials, T&P and labour charges etc. complete as per direction of Engg.-in-charge.	Sqm	275.00	275.00	550.00		
13.00	Cement flush pointing to stone masonry(1:3) after surface preparation including watering, curing, cost, conveyance, taxes of all materials, T&P and labour charges etc. complete as per direction of Engg.-in-charge.	Sqm	10.00	10.00	20.00		
14.00	25mm.thick A.S. flooring in c.c.(1;2;4) using 12-20mm size hard granite chips including watering, curing, cost, conveyacne, royalties, taxes of all materials and labour charges etc. complete as per direction of Engineer-in-charge.	Sqm	250.00	250.00	500.00		
15.00	Providing and Fixing 8mm thick tiles in floors treads or steps and landing on 25mm thick bed of cement mortar 1:1(1cement:1sand) jointed with neat cement slury mixed with pigment to match the shade of the tiles including rubbing and polishing complete	Sqm	20.00	20.00	40.00		

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			1st year Qty.	2nd year Qty.			
16)	Providing and Fixing of tiles 8mm thick in dado, wall, riser, skirting with 12mm mortar(1:3) and jointing with neat cement slurry and colour pigment matching to tiles including rubbing ,polishing etc complete in all respect as per direction of EIC .	Sqm	25.00	25.00	50.00		
17)	Dismantling and removing brick masonry in cement mortar etc. including cost ,conveyance, taxes,royalties of all materials,curing and labour charge etc. complete as per direction of EIC.	Cum	75.00	75.00	150.00		
18)	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 .	Sqm	10.00	10.00	20.00		
19)	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.	Sqm	40.00	40.00	80.00		
20)	Dismantling and removing old tiled cladding from walls including racking out joints 12mm dee stacking the useful materials for reuse and removing the debris with in 50m lead.	Sqm.	30.00	30.00	60.00		
21)	Removing old lime or cement plaster from walls including racking out joints 12 mm deep and removing the debris with in 50m lead.	Sqm.	500.00	500.00	1000.00		
22)	Making holes on brick walls and finishing the with cement mortar(1:3)... etc . As per direction of EIC.				0.00		
	(a)Up to 1.0 Sqft size	/Sqft	10.00	10.00	20.00		
	(b)1.0 to 4.0 Sqft	/Sqft	5.00	5.00	10.00		
23)	Dismantling and removing 2.5 c.m thick grading concrete from roof slab cleaning the surface lowering and removing the debries within 50m lead.	Sqm	30.00	30.00	60.00		
24)	Dismantling and removing R.C.C columns beams slab stair case landing litals including stacking the useful materials for reuse and removing the debries with in 50m lead.	Cum	30.00	30.00	60.00		
25)	Cutting & polishing of mosaic floor including cost of materials like white cement, wax polish, acid, detergent, oil, cutting stoens of different sizes, T&P, hire charges of cutting machine etc. complete including labour charges as per direction of Engineer-in-charge.	Sqm	15.00	15.00	30.00		

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Sl.No.	Item description	Unit	Quantity		Total Qty	Unit Rate (Rs)	Amount (Rs)
			1st year Qty.	2nd year Qty.			
26)	Supplying & fixing iron choukath and shutters with all fittings including dismantling the existing door /window,grouting the clamps with cc(1:3:6),making good the damaged wall ,painting the door/window with two coats of enamel paint over acoat of primer,including cost,conveyance ,taxes of all materials, labour,T&P etc complete(Iron choukath 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 stiffner of 19x5 mm flat with all fitting and fixtures)	kg	230.00	230.00	460.00		
27)	Removal of steel/wooden shutter and refixing the same after necessary rectification including all cost of labour ,fittings,T&P, nails etc.. Complete as per direction of EIC.	Each.	30.00	30.00	60.00		
28)	R/M to windows to bring them to proper size,shape for closing it perfectly including all cost of materials, fitting, labour, welding charges, T&P, taxes, dismantling, refixing as per requirement etc. complete as per direction of Engineer-in-charge.	Each.	30.00	30.00	60.00		
29)	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,taxes etc. complete as per direction of Engineer-in-charge.	Per Mtr of aluminium Channel.	50.00	50.00	100.00		
30)	Providing and fixing of 4mm thick clear acrylic sheet in window with 9mm aluminium channel beading ,screwedto the frame after drilling holes etc. complete at any elevation. Including cost of acrylic sheets T&P,wastage ,transportion. Txes etc. complete as per direction of EIC.	Sqm.	350.00	350.00	700.00		
31)	Labour 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 correting the frame fixing the shuter with necessary rectification in its original postion so as to operate smoothly in cluding all cost of labour .T&P taxes etc. as per direction of EIC.	Sqm.	50.00	50.00	100.00		

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Sl.No.	Item description	Unit	Quantity		Total Qty	Unit Rate (Rs)	Amount (Rs)
			1st year Qty.	2nd year Qty.			
32)	Providing, fitting & fixing 25mm.thick PVC door of sintex make of any equivalent make with frame of 40mm.x48mm and all fittings fixtures such as aluminium handles ,aldrops,tower bolt with screws nails putty after dismantling and removing of wholes existing chowkath and shutter and staking the same for reuse and making good the damaged walls and floor including cost ,convyance , roalties taxes of all materials required for the work and labour charges etc. complete as per direction of EIC.	Sqm.	20.00	20.00	40.00		
33)	Providing & fixing of 32mm thick flush door shutter including cost, conveyance, taxes of all materials, labour, T&P etc. complete as per direction of Engineer-in-charge.	Sqm.	25.00	25.00	50.00		
34)	Providing & fixing 12mm.thick gypsum board with G.I.metal frame work for ceiling including,cost, conveyance, taxes of all materials,labour,T&P etc.complete as per direction of Engineer-in-charge.	sqm	50.00	50.00	100.00		
35)	Repair of hydraulic door closer with necessary spares including all labour, T&P, taxes etc. complete as per direction of Engineer-in-charge.	Each.	20.00	20.00	40.00		
36)	Providing & fixing the following fittings/fixtures in doors/ windows including all cost of T&P, screws, labours, taxes etc. complete as per direction of Engineer-in-charge.				0.00		
(a)	CP aldrip 16mm dia 250mm long	Each.	15.00	15.00	30.00		
(b)	Aluminium tower bolt 150 mm long	Each.	15.00	15.00	30.00		
(c)	Aluminium handle 150mm	Each.	15.00	15.00	30.00		
(d)	Door stoppers	Each.	15.00	15.00	30.00		
(e)	Hydroulic door closure(cylindrical)	Each	30.00	30.00	60.00		
(f)	Hydraulic floor spring for aluminium doors	Each	15.00	15.00	30.00		
37)	Labour for dismantling the existing wooden partition and re-erection wooden partion (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 labour,T&P,nails,paint etc. complete as directed by department. (Measurement will be taken for finished product)	Sqm.	2.00	2.00	4.00		
38)	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 complete as per direction of Engineer-In-Charge.	Sqm	25.00	25.00	50.00		

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			1st year Qty.	2nd year Qty.			
39)	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, conveyance, taxes of all materials, labour, scaffolding, T&P etc. complete as per direction of Engineer-in-charge.	K.G.	15.00	15.00	30.00		
40)	Iron work wrought and put up in any structural steel work including cost, conveyance, royalty, taxes of all materials and labour charges etc. complete as per direction of Engineer-in-charge.	Qntl.	3.00	3.00	6.00		
41)	Straightening, cutting bending, binding and tying reinforcement grills of M.S reinforcement in position including cost of steel and binding wire 18 to 20 gauge complete and also including conveyance, labour charges .etc.	Qntl.	85.00	85.00	170.00		
42)	White washing two coats with best shell lime at any height including cost, conveyance, taxes of all materials, T&P, labour charges etc. complete as per direction of Engineer-in-charge.	Sqm.	200.00	200.00	400.00		
43)	Providing & applying 2 coats of distemper of approved shade and of ASIAN/SHALIMAR/ BURGER/TATA make after cleaning the area, preparation of surface and including cost ,conveyance.taxes of all materials required for the work,scaffolding ,labour charges etc. complete as per direction of EIC.	Sqm.	600.00	600.00	1200.00		
44)	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 conveyance ,taxes of all materials,scaffolding ,curing and labour charges etc. as per direction of EIC.	Sqm.	600.00	600.00	1200.00		
45)	Providing & applying two coats of weather proof anti fungal exterior emulsion paint on old/new work of ASIAN/SHALIMAR/DULUX make of approved shade two coats after preparation of the wall surface including cost conveyance ,taxes of all materials,scaffolding and labour charges etc required for the work complete as per direction of EIC.	Sqm.	600.00	600.00	1200.00		
46)	Providing and applying two coats of approved plastic shade (ASIAN/BERGER/) over a coat of primer on new work by means of roller to inside surface of new walls including preparation of base with a approved quality acrylic based putty and finishing the surface ,smooth including all cost of materials , labour, scaffolding , T&P etc. complete as per direction of EIC.	Sqm.	600.00	600.00	1200.00		

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			1st year Qnty.	2nd year Qnty.			
47)	Providing & applying 2 coats high gloss enamel paint on wood/iron work gloss enamel paint over doors, windows with approved paints of approved paints. Etc. complete.	Sqm.	350.00	350.00	700.00		
48)	Painting of two coats of synthetic high gloss enamel paint of any approved colour shed of appcolite paint over a coat of primer.....etc. complete as per direction of EIC .	Sqm.	350.00	350.00	700.00		
49)	Providing & Fixing 0.40mm thick(22 Gauge)GCI sheet in roof including drilling holes including cost conveyance taxes of all materials ,labour charges taxes ,T & P etc .complete in all respect as per direction of Engg- In- Charge	Sqm.	50.00	50.00	100.00		
50)	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. per Sqm. of area of each course. 2nd course of Bitumen felt and 4th & final courses of coarse sand and 0.006 cum. per sqm. including preparation of surface and also including cost, conveyance, royalties, taxes of all materials and labour charges etc. complete as per direction of Engineer-in-charge.	Sqm.	55.00	55.00	110.00		
51)	Providing & fixing barbed wire fencing and post by means of staples and straining hooks by means of tying with G.I. Wire and including cost of staples, hooks and barbed wires etc. complete as per direction of Engineer-in-charge.	Per Mtr. /each line of barbed wire	100.00	100.00	200.00		
52)	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, turfing, watering and including cost, conveyance, taxes of all materials, royalties and labour charges etc. complete as per direction of Engineer-in-charge.	Cum.	70.00	70.00	140.00		
53)	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, conveyance, taxes of all materials, royalty, T&P and labour charges etc. complete as per direction of Engineer-in-charge.	Cum.	20.00	20.00	40.00		
54)	Collecting, conveying from stacks and soling road surface with laterite soling stones including filling the interstices with moorum watering and consolidation with PRR including hire & running charges of PRR & T&P , taxes turfing etc. complete as per direction of Engineer-in-charge.	Cum.	20.00	20.00	40.00		

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55)	Conveying from stacks and spreading metal for patch or pot holes repair and consolidated with HRR.....etc.complete as per direction of Engineer-in-charge.	Cum.	20.00	20.00	40.00		
56)	Labour charges for scrapping,cleaningthe road surface applying tack coat using 9.0 Kg. of bimen for 9.3 sqm. And laying 75mm.thick built up spray grouting 2 layers of 0.4245 crusher broken metal & 11.34 Kg. of cum. of 25mm to 40mm.size h.g.37mm.thick each layer using bitumen for 9.3 sqm.in each layer with 0.1132 cum. of 12-20mm. Size h.g.chips as key stone for 9.3 sqm. spreading bitumen,metal & chips and rolling with PRR including hire & running charges of PRR & cost of bitumen and all other machineries but including cost of materials & chips completed as per specification & direction of Engg.-in-Charge.	Sqm.	50.00	50.00	100.00		
57)	Flank dressing to proper camber including cutting, filling of earth and disposing the extra earth wihtin 50m.lead including all cost of labour, taxes, T&P, PPEs etc. complete as per direction of Engineer-in-charge.	Sqm.	45.00	45.00	90.00		
58)	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 cost of bitumen etc. complete in all respects but including cost of chips.(without using HMP), etc. complete as per direction of Engineer-in-charge.	Sqm.	75.00	75.00	150.00		
59)	Labour for laying 6mm thick precoated seal coat using 0.06 cum of 6mm size chipsetc.complete including 6 mm sand blinding(Without using HMP)	Sqm.	75.00	75.00	150.00		
60)	Providing,cutting andfixing reflective sticker...EIC.				0.00		
	(a)Letter(0.15mx0.075m.):	No.	5.00	5.00	10.00		
	(b)Letter(0.10mx0.075m.):	No.	5.00	5.00	10.00		
	(c)Monogram (0.25x0.20m.):	No.	5.00	5.00	10.00		
	(d)Side Margin (0.025m. Wide):	Mtr.	5.00	5.00	10.00		
61)	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, taxes of all materials, scaffolding, T&P, labour etc. complete as per direction of Engineer-in-charge.	Sqm.	5.00	5.00	10.00		

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62)	Providing ,fitting and fixing 100mm dia. ISI marked PVC rain water down pipe (supreme/oriplast or equivalent) with necessary clamps,nails,bends, shoes, heads etc. including cost,conveyance,taxes of all materials required for the work as per direction of EIC.	Rmt.	100.00	100.00	200.00		
63)	Cleaning of wild grass and thick bushes and disposing away from work site including cost,conveyance,taxes of all materials and labour,T&P etc. complete as per direction of Engineer-in-charge.	Sqm	40000.00	40000.00	80000.00		
64)	Labour for fitting/fixing/repair of internal water supply and sanitary installations including all labour charges,statutory benefits, safety, etc. complete as per direction of Engg.-in-charge.	Per day	35.00	35.00	70.00		
65)	Fixing of Acid resistance tile in floors,treads on 25mm thick cement mortar(1:1) jointed with neat Adhic cement slury with colour pigment matched to tiles including cost ,conveyance,taxes of all materials and labour charges etc. complete as per direction of EIC.	Sqm	12.00	12.00	24.00		
66)	Fixing of Acid resistance tile in floors,treads on 25mm thick cement mortar(1:1) jointed with neat Adhic cement slury with colour pigment matched to tiles excluding the cost of tiles complete as per direction of EIC.	Sqm	10.00	10.00	20.00		
67)	Providing and fixing aluminium door with approved alluminium box section, other fitting fixtures like tapper clips Urubers,handles locks, hinges latchesand floor spring etc complete(excluding sheet & glass including all cost of all materials required for the work and labour & T&P Taxes. complete as per direction of EIC.	sqm	30.00	30.00	60.00		
68)	Brick work with ash bricks (25cmx12cmx8cm siz) in cement mortar (1;12) in foundation including aplays cutting, curing, watering, cost,conveyance, royalties, taxes of all materials,T&P and labour charges etc. complete as per direction of Engineer-in-charge but excluding cost of ash brick. (Ash brick will be supplied free of cost at ash brick manufacturing plant)	cum	15.00	15.00	30.00		

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69)	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's 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 megamix mortar. (c) Water proofing horizontal/verticals slab with XYPEX concentrate@0.80kg/Sqmt.	Sqm	25.00	25.00	50.00		
70)	Removing old tarfelt/APP from roof slab,cleaning the surface, lowering and removing the debris with in 50m lead.ncluding all cost of all materials required for the work and labour & T&P Taxes. complete as per direction of EIC.	sqm	250.00	250.00	500.00		
71)	Providing & fixing of colour coated trapezoidal steel sheets with plastic coated with 0.005mm thickness & width 1060mm in roof including drilling holes , cost of M/S screw 50X8mm (ISI) conveyance taxes of all materials,labour charges T & P etc complete in all respect as per direction of EIC.	Sqm	100.00	100.00	200.00		
72)	Providing & fixing of colour coated ridges with 2.450m length in roof including drilling holes , cost of M/S screw 50X8mm (ISI) conveyance taxes of all materials,labour charges T & P etc complete in all respect as per direction of EIC.	Sqm	40.00	40.00	80.00		

BOQ & PRICE BID FORMAT (NIT No. ITPS/Unit 3 & 4/21-22/098, Date: 25/05/2021)

Name of the work:-"Annual Civil Maintenance works in Main Plant area Unit-3&4 , OPGC -II at ITPS" (For 02 years).

Sl.No.	Item description	Unit	Quantity		Total Qty	Unit Rate (Rs)	Amount (Rs)
			1st year Qty.	2nd year Qty.			
73)	Providing and laying high performance torch applied APP based membrane of 3mm thickness,APP modified water proofing Membrane (STP 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 &troweling with round shape smoll steel trowel & complete with all joints etc. and preparing the surface complete as per the direction of EIC.	Sqm	50.00	50.00	100.00		
74)	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 labour, material, conveyance, royalties, loading ,unloading, T&P etc. all complete as per the direction of Engineer-in-charge.	Sqm	5.00	5.00	10.00		
75)	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 with cost, conveyance, taxes of all materials, labour, T&P etc. required for the complete in all respect.	Rmt.	5.00	5.00	10.00		
76)	Supplying fitting and fixing in position 32mm thick single leaf Grade-1 flush door confirming 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 phonol 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, conveyance, taxes of all materials including ss hing, cost of anodized aluminium hardware fittings. Including all cost of labour, material, conveyance, loading, unloading, T&P and painting the wooden surface with an approved shade and finish etc all complete as per directions of Engineer-in-charge.	Sqm	5.00	5.00	10.00		

BOQ & PRICE BID FORMAT (NIT No. ITPS/Unit 3 & 4/21-22/098, Date: 25/05/2021)

Name of the work:-"Annual Civil Maintenance works in Main Plant area Unit-3&4 , OPGC -II at ITPS" (For 02 years).

Sl.No.	Item description	Unit	Quantity		Total Qty	Unit Rate (Rs)	Amount (Rs)
			1st year Qty.	2nd year Qty.			
77)	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 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 with10 mm air gap / argon gas in between glass with suitable snap fit glazing and function beading.The single glass beading shall be made of unplasticised 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 valconised). Weather gasket and glazing gasket shall be provided in the grooves to hold the glass and panel for the frame and shutter. All hardwares are made out of SS-304 and SS -430 coated materials, resistant to atmospheric corrosion. Complying withrelevant 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	5.00	5.00	10.00		
78)	Providing and fixing 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 as per direction of Engineer in Charge.				0.00		
(a)	25mm dia nominal outer dia pipes	Mtr.	150.00	150.00	300.00		
(b)	32mm dia nominal outer dia pipes	Mtr.	100.00	100.00	200.00		
(c)	50mm dia nominal outer dia pipes	Mtr.	25.00	25.00	50.00		

BOQ & PRICE BID FORMAT (NIT No. ITPS/Unit 3 & 4/21-22/098, Date: 25/05/2021)

Name of the work:-"Annual Civil Maintenance works in Main Plant area Unit-3&4 , OPGC -II at ITPS" (For 02 years).

SI.No.	Item description	Unit	Quantity		Total Qty	Unit Rate (Rs)	Amount (Rs)
			1st year Qty.	2nd year Qty.			
79)	Supplying all materials, labour, taxes, T & P and fitting & fixing of different water supply CP on Brass or GM fixtures of ISI approved make of following sizes and specification 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.				0.00		
(a)	Pillar cock(FLR-5011N, Jaquar/ equivalent)	nos	30.00	30.00	60.00		
(b)	15mm dia angular stop cock (CP on brass) (Jaquar, FLR-5053N / equivalent)	nos	30.00	30.00	60.00		
(c)	15mm dia Bibcock (CP on brass) (Jaquar,FLR-5047N / equivalent)	nos	30.00	30.00	60.00		
(d)	Health fauccet (Jaquar, ALD- 573 / equivalent)	nos	30.00	30.00	60.00		
(e)	C.P. Soap holder (heavy quality)(Jaquar, AKP-35731P / equivalent)	nos	6.00	6.00	12.00		
(f)	32mm dia C.P. Bottle trap (Jaquar, ALD-769 / equivalent)	nos	4.00	4.00	8.00		
(g)	Toilet paper holder(jaquar AHS-1553 /Equivalent)	nos	6.00	6.00	12.00		
(h)	5mm thick Glass shelf with cp bracket and hinged guard rail of size 600mm x 125mm. (Jaquar, AKP-35771P / equivalent)	nos	5.00	5.00	10.00		
(i)	cp sink cock(Jaquar, FLR-5347ND / equivalent)	nos	3.00	3.00	6.00		
(j)	CP Towel ring 200 mm dia (Jaquar, AKP-35721 / equivalent)	nos	4.00	4.00	8.00		
(k)	CP Extension piece 15mm	nos	10.00	10.00	20.00		
(l)	Flenges	nos	5.00	5.00	10.00		
(m)	Robe hook (Jaquar, ACN-1191N /Equivalent)	nos	3.00	3.00	6.00		
(n)	Longbody Bibcock (Jaquar, CON-107KN /Equivalent)	nos	4.00	4.00	8.00		
(o)	Pvc over head tank 2000 lit capacity	nos	1.00	1.00	2.00		
(p)	PVC long bend	nos	20.00	20.00	40.00		
(q)	Water connection pipe	nos	50.00	50.00	100.00		
(r)	Cp grating	nos	30.00	30.00	60.00		
(s)	Indian pan	nos	6.00	6.00	12.00		
(t)	Wash basin	nos	6.00	6.00	12.00		
(u)	Urinal long vertical -(Gents)	nos	5.00	5.00	10.00		
(v)	Urinal waste,	nos	120.00	120.00	240.00		
(w)	W.C slim line cistern	nos	10.00	10.00	20.00		
(x)	waist coupling 1 1/4"	nos	5.00	5.00	10.00		
(y)	Heavy Brass Ball cock 15mm to 50 mm	nos	30.00	30.00	60.00		
(z)	PVC Brass Ball cock 15mm to 50 mm	nos	30.00	30.00	60.00		
(za)	PVC Bib cock 15mm	nos	60.00	60.00	120.00		
(zb)	PVC Pillar cock 15mm	nos	60.00	60.00	120.00		
(zc)	Brass Ball valve 15mm to 50mm	nos	60.00	60.00	120.00		
(zd)	Mirror 20x16	nos	8.00	8.00	16.00		

BOQ & PRICE BID FORMAT (NIT No. ITPS/Unit 3 & 4/21-22/098, Date: 25/05/2021)

Name of the work:-"Annual Civil Maintenance works in Main Plant area Unit-3&4 , OPGC -II at ITPS" (For 02 years).

Sl.No.	Item description	Unit	Quantity		Total Qty	Unit Rate (Rs)	Amount (Rs)
			1st year Qty.	2nd year Qty.			
80)	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/ equivalent)	Nos	4.00	4.00	8.00		
81)	Supplying all materials, labour, taxes, T & P and fitting & fixing 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 all complete as per direction of the Engineer-in -charge.						
i)	110mm Nominal dia pipe (Supreme or equivalent)	mtr	35.00	35.00	70.00		
ii)	75mm Nominal dia pipe (Supreme or equivalent)	mtr	35.00	35.00	70.00		
82)	Supplying all materials, labour, taxes, T & P and fitting & fixing UPVC SWR fittings of standard make duly approved by Engineer-In-Charge complete with requisite testing as directed.				0.00		
a)	110mm dia "p" trap (Supreme or equivalent)	nos	10.00	10.00	20.00		
b)	Nahani trap (Supreme or equivalent)	nos	10.00	10.00	20.00		
c)	110mm dia single junction with Door (Astral UltraDrain or equivalent)	nos	5.00	5.00	10.00		
d)	110mm dia plain bend (Astral UltraDrain or equivalent)	nos	5.00	5.00	10.00		
e)	110mm clamps for pipes	nos	25.00	25.00	50.00		
f)	110mm 90° Door bend (Supreme or equivalent)	nos	5.00	5.00	10.00		
g)	110mm vent cowl (Astral UltraDrain or equivalent)	nos	5.00	5.00	10.00		
83)	Earth excavation/ levelling & dressing etc by using JCB in mechanized manner including all costs, conveyance, fuels, mobilisation & demobilisation at site, taxes, T&P & labour charges etc, complete in all respect as per the direction of Engineer-in-charge as and when required.	Hour	25.00	25.00	50.00		
84)	Erection of scaffolding and dismantling including all cost, conveyance, taxes etc of all materials and labour charges required for the work complete in all respect as per the direction of EIC .	Sqm	20.00	20.00	40.00		

BOQ & PRICE BID FORMAT (NIT No. ITPS/Unit 3 & 4/21-22/098, Date: 25/05/2021)**Name of the work:-"Annual Civil Maintenance works in Main Plant area Unit-3&4 , OPGC -II at ITPS" (For 02 years).**

Sl.No.	Item description	Unit	Quantity		Total Qty	Unit Rate (Rs)	Amount (Rs)
			1st year Qty.	2nd year Qty.			
85)	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 Fastners @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.	Sft	300.00	300.00	600.00		
86)	Supplying and providing grouting (preferably with grouting powder conbextra GP2) in foundation bolt holes,pockets and column bases after aliging and leveling 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 matrials,conveyance and taxes,loading and unloading cost of all labour,sundreis,T&P labour etc. complete as per direction of EIC.	Cum	2.00	2.00	4.00		
TOTAL VALUE IN INR EXCLUDING GST							
GST SHALL BE EXTRA AT ACTUALS, APPLICABLE % ALONG WITH SAC CODE TO BE INDICATED IN YOUR BID							
In words: Rupees _____							
Note: <ul style="list-style-type: none">• Bidder has to use the above Price Bid Format failing which Bid will be rejected.• GST shall be extra at actuals (applicable % along with SAC code to be indicated in the offer)• Period of Contract –24 months (02 years) or as per instruction given by EIC							