

BILL OF QUANTITY & PRICE BID FORMAT

Name of the work:-" Cleaning & House keeping of main plant area, plant building, aux.building & equipments and cleaning & Housekeeping of CHP at ITPS for 02 years (OPGC-II)"

PART (A)- Labours

SI.No.	Location	Description of work	Unit	1st year Qty	2nd year Qty	Total Qty	Unit Rate (Rs)	Amount (Rs) (Unit Rate X Total Qty.)
A (1)	T.G.Building :-							
1	(i) 0.M.floor with cable galleries and Service Bay, Air compressor buildings, Gas rooms. (ii) 3.5M & 5.0M MCC Room with Cable galary rooms. (iii) Elevations 8.5M ,12M & 13.5M ,17.0M ,27M & 32M TG Equipment, Pannel Room, Cable Galary Floor & cable galleries, PRDS floors, Battery charger rooms. (Unskilled)	(i) 1) Sweeping by broom 2) Mopping mechanically 3) Removing cub webs manually & using vaccum cleaner. 4) Disposal of debries (ii) 1) Sweeping by broom 2) Mopping manually 3) Removing cub webs manually & using vaccum cleaner 4) Disposal of debries (iii) 1) Sweeping by broom 2) Mopping manually 3) Removing cub webs manually 4) Disposal of debries	Daily	313	313	626		
2	Control room 17.0 MTR (Unskilled)	1) Sweeping by broom 2) Mopping manually 3) Using scrubber for cleaning the floor 4) Disposal of debries	Daily	313	313	626		
3	HVAC Equipment (24.0M) & Deaerator floor rooms(25.5M). (Unskilled)	1) Sweeping by broom 2) Mopping manually 3) Using scrubber for cleaning the floor	Daily	313	313	626		
4	All the toilet from 0.00Mtr to 17.00 Mtr (Semi skilled)	1) Cleaning of toilets & urinal pans by hand brush with detergent. 2) Applying disinfectant and providing deodorant to keep the toilets hygienic.	Daily (Thrice / day)	313	313	626		
5	Equipment T.G. & Boiler (Unskilled)	1) Cleaning by cloth, 2) Cleaning by Air pressure	Daily	313	313	626		

Sl.No.	Location	Description of work	Unit	1st year Qty	2nd year Qty	Total Qty	Unit Rate (Rs)	Amount (Rs) (Unit Rate X Total Qty.)
(11)	Boiler area :-							
1	(i) Boiler zero mtr floor, Adjacent paved area, Road between Mill & ESP floors (From 'C' row to ESP) of Boiler area on higher elevations . (ii) Chimney (iii) All drains at Boiler area, PA Fan area, Mill area, ESP area, ID fan area, AHP area, Transformer area etc. (All the drains in the concrete paved area) (iv) Entire paved area from ESP to Ash handling pump house road, Feeder floor and the area below conveyor . (Unskilled)	(i) 1) Cleaning of ash by water spraying , 2) Cleaning of ash manually at higher elevations. 3) Cleaning of cubwebs and dust manually & using vaccum cleaner. 4) Picking of Garbage and putting them in dust bin, (ii) 1) Cleaning of inside & outside floor, wall and structure inside chimney , 2) Cleaning of stair case upto 45mtrs elevation by sweeping with brooms , cleaning of cubwebs using vaccum cleaner and disposal of debris at designated area . (iii) 1) Cleaning of ash by water spraying 2) Removal of debries & cleaning of drains by belcha/spades and tranporting the same by baskets pans / trolley etc to the deseginated place , 3) Rooting out weeds / grasses from the side wall of drains . (iv) 1) Sweeping coal dust, ash and other debries under conveyor and feeder floor by broom and disposing the same at designated area . 2) Cleaning of ash by water spraying	Daily	313	313	626		
2	i) ESP control rooms/ Hydrogen Cylinder Shed ii) Hydrogen filling plant	1) Sweeping the floors, moping with detergent water, cleaning cubwebs and disposal of debries, Fuel oil unloading area is to be cleaned by water, putty, sand, rubbing, sweeping & cleaning.	Daily	313	313	626		
4	All Toilets in ESP , Fuel oil Pump House, Ash Handling Pump house, '0' mtr boiler area and other areas , urinals on Feeder floor, urinals in Boiler area, washing of Drinking water points & basins. (semiskilled)	1) Cleaning of toilets & urinals with cleaning agents, applying disinfectant and deodorant & cleaning of urinal pans by hand brush.	Daily (Thrice/day)	313	313	626		
5	Bunker roof top cleaning (Unskilled)	1) Cleaning of dust, debries, grass etc by belcha, phowarah & broom and disposing the debries to '0' mtr debris yard.	Each time	4	4	8		

Sl.No.	Location	Description of work	Unit	1st year Qty	2nd year Qty	Total Qty	Unit Rate (Rs)	Amount (Rs) (Unit Rate X Total Qty.)
6	Fuel Oil Pump House (Unskilled)	1) Sweeping by broom. 2) Mopping manually. 3) Removing cub webs manually & using vaccum cleaner. 4) Cleaning of under ground trench by removing spilled over oil . 5) Deweeding the weeds and grasses at oil tank pit and other area. 6) Sweeping the inside road .	Daily	313	313	626		
7	ESP hopper /feeder floor area o (Unskilled)	1) Dechocking of ESP hopper of both units and cleaning of ash by water spraying , removing algae and over all washing of floor area.	Daily	365	365	730		
8	Supply man power of shifting of rejected coal using trolley from mill area to the designated area for dumping as per the direction of EIC.	Supply man power of shifting of rejected coal using trolley from mill area to the designated area for dumping as per the direction of EIC.	Daily	313	313	626		
(III)	<u>Ash Handling Pump House & Dry Ash Silos</u>							
1	Floor cleaning, mopping, removing of cub webs, equipment cleaning , Cleaning of ash on drains and peripheral area.(Unskilled)	1) Sweeping by broom 2) Mopping manually 3) Removing cub webs manually & using vaccum cleaner.	Daily	313	313	626		
(IV)	<u>Water Treatment Plant:</u>							
1	DM Plant Building (Unskilled)	1) Sweeping by broom 2) Mopping manually as well using scrubber 3) Removing cub webs manually & using vaccum cleaner.	Daily	313	313	626		
2	C.W.pump house,BCW pump house,R.W. pump house, workshop building. (Unskilled)	1) Sweeping by broom 2) Mopping manually as well using scrubber 3) Removing cub webs manually & using vaccum cleaner.	Daily	313	313	626		
3	All the toilets in DM plant, C.W.pump House,Raw Water Pump House and Workshop Building, (Semi skilled)	1) Cleaning of toilets & urinal pans by hand brush with detergent. 2) Applying disinfectant and providing deodorant to keep the toilets hygienic.	Daily (Thrice / day)	313	313	626		
(V)	<u>Operation</u>							

Sl.No.	Location	Description of work	Unit	1st year Qty	2nd year Qty	Total Qty	Unit Rate (Rs)	Amount (Rs) (Unit Rate X Total Qty.)
1	DAS rooms,MCC rooms, Halon rooms.(Unskilled)	1) Sweeping by broom and using vaccum cleaner . 2) Mopping manually as well using scrubber 3) Removing cub webs manually & using vaccum cleaner. 4) Cleaning of aluminium and glass section with cleaning liquid .	Daily	313	313	626		
2	Pota cabin area,paved area near CST and peripheral area (Unskilled)	1) Sweeping by broom 2) Mopping manually as well using scrubber 3) Removing cub webs manually. 4) Cleaning of aluminium and glass section with cleaning liquid . 5) Cutting of wild garsses inside & out side of fenced area.	Daily	313	313	626		
3	Switch yard control room & Gate complex, Inside area.(Unskilled)	1) Sweeping by broom & vaccum cleaner. 2) Mopping manually 3) Removing cub webs manually	Daily	313	313	626		
4	All the toilets in porta cabin area,Maintenance shed,Labour Rest shed,Gate complex & Switch Yard control room .(semi skilled)	1) Cleaning of toilets & urinal pans by hand brush with detergent. 2) Applying disinfectant and providing deodorant to kep the toilets hygienic.	Daily (Thrice / day)	313	313	626		
(VI)	<u>Other Areas :</u>							
1	DG building, Pedestals, Labour Rest shed ,Front portion of pota cabin area , Car Parking sheds, Two wheeler shed(Unskilled)	1) Sweeping by broom 2) Mopping manually 3) Removing cub webs manually & using vaccum cleaner.	Daily	313	313	626		
2	Silo area(Unskilled)	1) Cleaning of accumulated ash deposited on loaded area during loading in vehicle or leakage in silo. 2) Cleaning of Residual leftout dust by water spraying .	Daily	313	313	626		
4	Transportation of Hydrogen cylinders each 6.5 M ³ capacity including loading & Unloading	1)Manally through trolley.	Trip	313	313	626		
5	Cleaning of all the Dust bins & Transportation of Debris including loading & unloading .	1)Loading Manually & transportation by tractor.	Trip	1825	1825	3650		
(D)	<u>Various location of plant</u>							
1	Cutting wild grass,thick bushes,cleaning & removing inside plant area.	1) Grass cutting by machine, 2) Bush cutting by manually.	Sqm.	1100000	1100000	2200000		

Sl.No.	Location	Description of work	Unit	1st year Qty	2nd year Qty	Total Qty	Unit Rate (Rs)	Amount (Rs) (Unit Rate X Total Qty.)
2	Miscellaneous additional works	a) Cleaning of storm water drains in main plant area and chp as per direction of EIC. b) Cleaning of Drains in chp area including transfer houses, c) Cleaning of oil separator pit . d) Cleaiang of Over head tank . e) Cleaning of netralization pit . f) Unforsen plant emergency works during AOH,light up ,cleaning of equipments of different department not including in (A) etc.. g) Spillage of Oil(Unskilled). h) Excavation of trench for attending leakage of fire pipeline & water supply pipe line.	Day	313	313	626		
(VII)	<u>Deployment of contractor supervisor at different locations</u>							
	(a) Experienced supervisor to look after the assigned cleaning jobs at Boiler area,portacabin area,rest shed,maint. Shed, switch yard,TG Building (Skilled)	Supervising the day-to-day Cleaning & Housekeeping works & co-ordinating overall sefety of all the assigned works.	Daily	313	313	626		
	(b) Experienced supervisor to look after the assigned cleaning jobs at ESP area.	Supervising the day-to-day Cleaning & Housekeeping works & co-ordinating overall sefety of all the assigned works.	Daily	365	365	730		
	(c) Experienced supervisor to look after the assigned cleaning jobs at FWPH building, DM Plant, DG Building,ESP Control room.	Supervising the work & coodinating the overall sefety of all the assigned works.	Daily	313	313	626		
	(d) Experienced supervisor to look after the assigned cleaning jobs at CT, AHP, Silo, R.W, & FOPH, Grass cutting, Road Side Cleraning etc. (Skilled)	Supervising the day-today Cleaning & Housekeeping works & co-ordinating overall sefety of all the assigned works.	Daily	313	313	626		
	(e) Safety officer (Diploma Holder) to look after and responsible for the overall safety of all the works related to cleaning and housekeeping works as per safety rule and guide lines of OPGC.	Supervising & co-ordinating the overall sefety of all the works related to Cleaning & Housekeeping as per the safety rules & guide lines of OPGC.	Daily	313	313	626		
(VIII)	Deployment of plumber (Hi skilled)	Day to day maintenace of PH & portable water pipe lines in side main plant area.	Daily	313	313	626		
	Helper to assist the plumber in plumbing work(Unskilled)	Assisting the plumber in day-today maintenance work of PH & portable pipe lines inside plant area..	Daily	313	313	626		
(IX)	Operator for swerage system operation (skilled)	Operate the swerage system	Daily	313	313	626		
PART -(A1)- Labours								

Sl.No.	Location	Description of work	Unit	1st year Qty	2nd year Qty	Total Qty	Unit Rate (Rs)	Amount (Rs) (Unit Rate X Total Qty.)
H)	Cleaning & house keeping work at CHP							
1)	Floors of CHP Control room, Stair cases, Cable gallery,Operational staff roomS,MCC room ,Corridor & Periperal area.	Sweeping all area with broom & mopping all the floors with detergent water,cleaning the cub webs manually & using vaccum cleaner,disposal of debries, mopping & cleaning of all furniture,aircondition unit with environment friendly product,cleaning glass & aluminium section with cleaning liquid	Days	365	365	730		
2)	Maintenance building,Staff rooms ,corridor,store rooms,Maintenance building, Lobour Rest shed.	Sweeping all area with broom & mopping all the floors with detergent water,cleaning the cub webs manually & using vaccum cleaner,disposal of debries, mopping & cleaning of all furniture,aircondition unit with environment friendly product,cleaning glass & aluminium section with cleaning liquid	Days	313	313	626		
3)	Toilets at CHP	01) Cleaning of toilets & urinal pans by hand brush with detergent 2) Applying disinfectant and providing deodorant to kep the toilets hygienic.	Daily (Thrice/day)	313	313	626		
4)	Track hopper pannel building ,All ventilation rooms,computer room.	Sweeping all area with broom & mopping all the floors with detergent water,cleaning the cub webs manually & using vaccum cleaner,disposal of debries, mopping & cleaning of all furniture,aircondition unit with environment friendly product,cleaning glass & aluminium section with cleaning liquid.	Days	313	313	626		
5)	Cleaning of strom water drains, Transfer Houses and peripheral area,	Removal of coal,debris & cleaning of drains by spades/belchas and transporting the same to designated area as per the direction of EIC.	Days	313	313	626		
6)	a) Transpotation of debries by the tractor having hydraulic trolley including loading and unloading followed by disposal at the designated area as per the direction of EIC.	a) Transpotation of debries by the tractor having hydraulic trolley including loading and unloading followed by disposal at designated area as per the direction of EIC.	Per Trip	4100	4100	8200		
7)	a) Transpotation of coal by the tractor having hydraulic trolley including loading and unloading followed by disposal at designated area as per the direction of EIC.	a) Transpotation of coal by the tractor having hydraulic trolley including loading and unloading followed by disposal at designated area as per the direction of EIC.	Per Trip	6800	6800	13600		
8)	Cutting & cleaning of wild bushes and grass at various locations of CHP area.	Cutting wild grass,thick bushes,cleaning & removing weeds growths & disposing the debris away from different location of plant ares including labour charges T&Petc complete as per direction of Engg-in-charge .	sqm	600000	600000	1200000		

Sl.No.	Location	Description of work	Unit	1st year Qty	2nd year Qty	Total Qty	Unit Rate (Rs)	Amount (Rs) (Unit Rate X Total Qty.)
(H)	Deployment of contractor supervisor at different locations							
	Experienced supervisor for assigned Cleaning & Housekeeping works.	Supervising the work & coordinating overall safety of assigned jobs as per the safety rules and guide lines of OPGC.	Daily	313	313	626		
	Supplying & Operating hydraulic Excavator of 1 cum bucket(JCB/CAT/KAMASTU) for excavation,loading of ash,coal from boiler area,mill area,chnp area including cost of operating staff (Operator,helper etc) lubricating oil,diesel/petrol & maintenance with other consumables for running the machinery including all the taxes as directed by engineer in charge and when required.	Supplying & Operating hydraulic Excavator of 1 cum bucket(JCB/CAT/KAMASTU) for excavation,loading of ash,coal from boiler area,mill area,chnp area including cost of operating staff (Operator,helper etc) lubricating oil,diesel/petrol & maintenance with other consumables for running the machinery including all the taxes as directed by engineer in charge and when required.	Hour	300	300	600		

PART (B) Consumables (Main plant)

Sl . No	Description of Item	Unit	1st Year Qty	2nd Year Qty	Total Qty.	Unit Rate (Rs)	Amount (Rs) (Unit Rate X Total Qty.)
1	Brooms	Nos	1020	1020	2040		
2	Long strick brooms	Nos	420	420	840		
3	Moping cloth (1sqm. Size)	Nos	840	840	1680		
4	Soap for sweeper for cleaning hand,(Dettol make)	Nos	252	252	504		
5	Harpic	Ltr	204	204	408		
6	Coline Spray	Ltr	180	180	360		
7	Godrej aer spray, Air Freshener for Office - Morning Misty Meadows Long-Lasting Fragrance (240 ml)	Nos	72	72	144		
8	Hand wash (Dettol,pantanjali,lifebouy)	Ltr	360	360	720		
9	Marin cloth	Mtr	480	480	960		
10	Lizol disinfectant floor cleaner	Ltr	120	120	240		
11	Toilet towel wash	Nos	192	192	384		
12	Bleaching powder	Kg	420	420	840		
13	Potassium permanganat	Kg	36	36	72		
14	Phosphate for floor tiles cleaning	Kg	9	9	18		
15	Harpic brush,WC Round Brush ,cobweb brush etc.	Nos	480	480	960		
16	Floor scrubbing brush	Nos	180	180	360		
17	Brush for cleaning toilets	Nos	300	300	600		
18	Phenyle (Neem,Nimyle,Patanjali ,Trishul)	Ltr	900	900	1800		
19	Neptholene ball	each	3120	3120	6240		
20	Detergent powder (Wheel,Nirma,Tide,Surf)	Kg	528	528	1056		
21	Odonil (40 grm.pack),Godrej make	Pocket	720	720	1440		
22	Garbeg polythin bag	Nos	2040	2040	4080		
23	Bucket (G.I) (15 NOS)	Nos	30	30	60		
24	Spades with handle (20 nos)	Nos	40	40	80		
25	Belcha (20nos)	Nos	40	40	80		

SI.No.	Location	Description of work	Unit	1st year Qty	2nd year Qty	Total Qty	Unit Rate (Rs)	Amount (Rs) (Unit Rate X Total Qty.)
26	Iron Baskets (15 nos)		Nos	30	30	60		
27	3/4" size reinforced flexiabe hose pipe		Rmt.	500	500	1000		
28	wheel barrow		nos	16	16	32		
MACHINERIES (PART C)								
SI No	Name of machine		Unit	1st Year Qty	2nd Year Qty.	Total Qty.	Unit Rate (Rs)	Amount (Rs) (Unit Rate X Total Qty.)
1	Supply and cleaning by using Bosch blower including all costs,conveyance,taxes T&P & labour charges etc. Complete in all respect as per direction of EIC.		Hour	1080	1080	2160.00		
2	Supply and cleaning by using road sweeping machine Roots sweep RD 160 VBP or any other suitable make including all costs,conveyance, fuels at site,taxes T&P & labour charges etc. Complete in all respect as per direction of EIC.		Hour	1080	1080	2160.00		
3	Supply and cleaning by using Vacuum cleaner heavy duty like Roots soteco toppe 515 250 NX) or any suitable make including all costs, conveyance at ,taxes T&P & labour charges etc. Complete in all respect as per direction of EIC.		Hour	1440	1440	2880.00		
4	Supply and cleaning by using Multi clean scrub floor washer (ROOTSSCRUB E4545) or any other suitable make in mechanized manner including all costs,conveyance,taxes T&P & labour charges etc. Complete in all respect as per direction of EIC.		Hour	1440	1440	2880.00		
Total Value (Part A + Part B + Part C) in INR (excluding GST)								
GST Extra as Applicable								