



**2<sup>nd</sup> Addendum/Corrigendum/ Extensions Notice to NIT No. ITPS/CC-22/2024-25/08(Sl.no-01),Date: 18/11/2024**  
The bidder shall consider the below changes hereafter for further bid preparation & participation.

**EPC Contract for detailed engineering study and augmentation of existing Fly Ash Handling system in OPGC-I, 2X210 MW**

Sl. No.	Page No.	NIT Clause No.	Original Provision	Revised Provision/Addl. Data
01	181	Clause No. 1.5.45	Supply and Installation of Dust Conditioner Water Pumps-2 numbers, Wash Water Pump-1 No. with drive motor, all related Piping, Valves, instruments, etc. for Intermediate silo and Main silo respectively.	Supply and Installation of Dust Conditioner Water Pumps-2 numbers, Wash Water Pump-1 No. with drive motor, all related Piping, Valves, instruments, etc. will be located at Intermediate Fly Ash Silo area (Location of same will be New AHP Compressor House). All 3 pumps shall be used for IM Silo, Main Silo & HCSD System with common header. All the 3 pumps shall be of same rating considering 2 Working+1 Stand-by.
02	181	Clause No. 1.5.44	Two numbers of Closed Wagon fly ash loading system and one number open wagon conditioned ash loading system in each silo shall be in positioned in line with railway track. Note: Fly ash loading will be done through two telescopic spouts simultaneously in each silo. Position of the two Main fly ash Silos and position of the fly ash loading spout shall be designed as per the wagon dimensions	1. Total 04 nos. of telescopic chute shall be in each silo out of which Two will be above the railway track for ash loading in BTAP & BCFC wagons and two will be for Bulklers. 2. Provision shall be made for both closed & open wagons. <b>3. Two BTAP/BCFC/Open type wagons shall be simultaneously loaded from main silos (one wagon per silo).</b> <b>4. Two telescopic chutes of each silo shall be aligned with two openings of both BTAP &amp; BCFC wagons. Telescopic chutes shall be also designed for both forward/backward and side movements to adjust its position according to the BTAP &amp; BCFC wagon openings.</b> 5. One number open wagon conditioned ash loading system in each silo shall be in positioned in line with railway track for ash loading in BOXN wagons.
03	178	Clause No. 1.5.7&8	7. Supply and Installation of Manual chain wheel operated isolation valve at the outlet of all	Supply and Installation of MS adaptors below ESP Hoppers, Manual chain wheel operated isolation valves, MS

			ESP Fly Ash Hoppers of both units. Fluidizing arrangement shall be provided at inlet to the Ash vessels. 8. Supply and Installation of MS adaptors below ESP Hoppers, MS Down comer chute/Pipe with fluidizing pads and Expansion joints.	Down comer chute/Pipe with fluidizing pads and Expansion joints. Fluidizing arrangement shall be provided at inlet to the Ash vessels.  New fluidizing system shall be designed & supplied by the bidder.
04	179	Clause No. 1.5.20 1.9.A	Supply and Installation of <b>MS pipes</b> from ESP conveying vessels to Intermediate silo with all related supports, Sleeve couplings, clamps, supports, flanges, fasteners, valves, etc. as applicable.	Supply and Installation of <b>MS ERW Heavy Duty Pipe (Thickness-12MM, FE410) with cast basalt bends, cast basalt spool pieces and SS expansion bellows with SS-304 sleeves</b> from ESP conveying vessels to Intermediate silo with all related supports, clamps, flanges, fasteners, valves, etc. as applicable.
05	180	Clause No. 1.5.38	Supply and Installation of Dry fly ash pressure conveying piping (MOC: Cast Iron as per IS-1536/BS-1211, Thickness as per Class-D) with all related supports, Sleeve couplings, clamps, flanges, fasteners, valves, etc as applicable from Intermediate Silo to Main Fly Ash Storage Silos.	Supply and Installation of <b>MS ERW Heavy Duty Pipe (Thickness-12MM, FE410) with cast basalt bends, cast basalt spool pieces and SS expansion bellows with SS-304 sleeves</b> from Intermediate Silo to Main Fly Ash Storage Silos with all related supports, clamps, flanges, fasteners, valves, etc. as applicable.
06	179	Clause No. 1.5.21	Supply and Installation of Cast Basalt Bends/ fittings, <b>Sleeve couplings</b> , clamps, supports, flanges, fasteners, valves, etc. as applicable in dry ash line.	Supply and Installation of Cast Basalt Bends/ fittings, <b>flange joints</b> , clamps, supports, flanges, fasteners, valves, etc. as applicable in dry ash line.
07	179	Clause No. 1.5.27	Supply and Installation of <b>Cast Basalt discharge pipe</b> from Eco hopper flushing apparatus to bottom ash hopper including Cast Basalt bends/fittings Piping, Valves, Fittings, Supports etc.	Supply and Installation of <b>Heavy-duty MS ERW pipe of 12 mm thick</b> from Eco hopper flushing apparatus to bottom ash hopper including Cast Basalt bends/fittings Piping, Valves, Fittings, Supports etc.
08	180	Clause No. 1.5.29	Supply and Erection of intermediate coarse ash slurry tank with liner and jetting arrangement as applicable in each unit to handle APH/Duct Hopper ash.	Supply and Erection of intermediate coarse ash slurry tank with liner and jetting arrangement as applicable in each unit to handle APH/Duct Hopper ash.  <b>Tank: IS 2062, minimum 5mm thick with 3mm SS-304 liner.</b> <b>Jetting arrangement should be in the form of grid.</b>
09	180	Clause No. 1.5.31	Supply and Installation of MS adaptors below APH & Duct Hoppers, MS Down comer chute/Pipe with <b>fluidizing pads</b> and Expansion joints.	Supply and Installation of MS adaptors below APH & Duct Hoppers, MS Down comer chute/Pipe with Expansion joints.

10	182	Clause No. 1.5.60	Construction of Silo Utility Building near main fly ash storage silo area along with MCC room & Control Room.	Main Silo utility building (near main fly ash silo) will only have silo blower house, rest room, lavatories & other local electrical panels for main silo area equipment.
11	185	Clause No. 1.6	6.6 KV un-cabled feeder with VCB shall be provided by OPGC, approx. distance from proposed system is about <b>1000</b> meters.	Two nos. of 6.6 KV un-cabled feeder with VCB shall be provided by OPGC. Approximate route length is <b>1200</b> meters from existing 6.6KV feeders.
12		Additional		Existing HP Water System (2W+1S) Dynamic Head: 75Mtr Flow: 250m <sup>3</sup> /Hr HP water is currently used in ECO Hopper (04 Nos), APH Hoppers (06Nos), Duct Hoppers (02Nos) & ash flow requirement in slurry trench. HP water is currently also used for ESP floor cleaning.
13		Additional		CAC, TAC & IAC: All shall be oil free screw type water cooled compressors. TAC & CAC Dryer: Shall be of Refrigerant type IAC Dryer: Shall be of Desiccant Type
14		Additional		Cooling water for all compressors, coolers and dryers shall be from BCW system. BCW System existing header pressure is 6kg/cm <sup>2</sup> .
15		Additional		Ash Water Source: As shown in the scheme, one over ground tank will be constructed for ash conditioner water pump & wash water pumps. And the make-up to the said tank will be from existing ash water recycling system (available pressure 1.5kg/cm <sup>2</sup> ). Stand-by arrangement for make-up water shall be done from Raw Water header available at a distance of 200Mtr.
16		Additional		Cooling Water Source: Tapping for cooling water will be taken from existing BCW overhead tank which is located at distance 300mtr & height of 60Mtr from ground. BCW System existing header pressure is 6kg/cm <sup>2</sup> max.
17		Additional		Fluidizing blowers + Heater (2W+1S=Total 3 Nos) shall be considered for ESP hopper of both units and IM Silo as shown in the scheme. No separate fluidizing blowers for ESP fluidization and IM Silo.

18		Additional		Wagon Loading Time with loading system capacity: BTAP/BCFC-2 Hr positioning & 4 Hr effective loading. 2x250TPH Telescopic chutes/Silo BOXN-1.5 Hr positioning & 5 Hr effective loading. 1X400TPH Dust conditioners/Silo
19		Additional		Weighbridge Arrangement: Supply & Installation of static weighbridge below main fly ash silos.
20		Additional		A general layout plan showing location of Silos and tentative pipe route is enclosed for tendering purpose only. However, final location & route will be as per detailed engineering study.

**Approved supplier / manufacturer for brought out items (Revised)**

SN.	Particulars / Items	Approved Make	Remarks
1	HT Motor	BHEL, CGL, Siemens, ABB	
2	LT Motor	CGL, Siemens, ABB	
3	Dry Type Transformer	Voltamp	
4	Switchgear	CGL, ABB,L & T	
5	LT Switchgear product	ACB- C&S, L&T, Siemens, ABB	
6	Protection relay	Schneider, Siemens, ABB, GE	
7	HT/LT Power Cable	Polycab, KEI, Universal, Torrent, Lap cable	
8	LED Lights	Bajaj, Philips, CGL, Havells, Crompton, Wipro	
9	Conveying Air Compressor & Transport Air Compressors	Atlas Copco	Oil free screw type water cooled compressors
10	Instrument Air Compressor	Atlas Copco	Oil free screw type water cooled compressors
11	Instrument air compressor Dryer	Mellcon	Desiccant Type
12	CAC & TAC Dryer	Mellcon	CFC free refrigerant to be used
13	Fluidizing Blower	Everest, Usha Compressors, Kay International, KPT Industries(Kulkarni)	
14	Knife Gate valve	Orbinox, Fouress, Jash International, Vaas, Weir, Sistag, V-Tork	
15	Bag Filters	Thermax, DCIPS, Masturlal, Dusolt	
16	Ash Inlet & outlet valves below ESP and Intermediate silo	Macawber Beekay, Mecgale Pneumatics, Melco India Pvt. Ltd	
17	EOT	Century Cranes, Electromech, Rewa	

18	MS Pipelines	SAIL, Jindal, JSW, TATA Steel	
19	PLC	Schneider, Rockwell	
20	UPS	Vertiv	
21	UPS Battery	HBL/Exide/AMCO	
22	Electronic Control Panel	Pyro Electric, Rittal, Pyrotech, Chemin, Schneider	
23	PC/Laptop	Dell, HP, IBM, Lenovo	
24	Printer	Cannon, HP, Epson	
25	Instrument Cables	Polycab, Universal	
26	Level transmitter (Radar Type)	E&H, Vega, Siemens, Emerson, Yokogawa	
27	Level Switch	E&H, EIP, Emerson, GIC, V-automat, Pune Techtrol	
28	Pressure/Temp/DP Transmitter	Emerson, ABB, Siemens	
29	Solenoid	Asco, Festo, Neles, Duncan, Avcon, Norgen	
30	Control valves	MIL, Fischer	
31	Power Cylinder	Duncan, Festo, Pneumax, Metso	
32	AFR	Shavo, SMC, Masoneilan	
33	Tube and Fittings	Festo, Parker, Pneumax, Janatics, Swagelok	
34	Pressure/Temp Gauge	Wika, GIC, Baumer, Forbes Marshall, Waaree	
35	VMS	GE Bentley, Meggit	
36	Actuator	Auma, Rotork	
37	Cast Basalt Bends	Deccan Mechanical & Chemical	
38	Structural Steel Items	SAIL, Jindal, JSW, TATA Steel	
39	TMT Bar	SAIL/Jindal/JSW/TATA Steel	
40	V Belts	Fenner/PIX/Contitech	
41	Welding Electrodes	Esaab/D&H/Ador	
42	Dust Conditioner Pump/ Wash Water Pump	Weir/Sulzer/SamTurbo/Kirloskar	
43	Silo Dump Valve	Macawber Beekay,/Mecgale Pneumatics/Melco India Pvt Ltd/Technocom/Powercon/Innomatic	
44	Dust Conditioner Set	Macawber Beekay/Mecgale Pneumatics,/Melco India Pvt Ltd/Powercon	
45	RVF	Anval International/Powercon/Rotech	
46	Gear Box/Reducer	Premium Transmission/Greaves/Power Build	
47	Dry Fly Ash Unloading Spout Set	DCL Bulk Technologies	

48	Silo Vent Fan	Flakt/Nadi Air Technics/Kay/CB doctor	
49	Air Conditioning	Hitachi/Daikin/Carrier/Bluestar	
50	Commercial LED Display	Samsung, LG, Sony	
51	Rack & Pinion Actuator	Elomaitic, Emerson (ASCO)	
52	Pneumatic Actuator	Emerson (ASCO), Festo, IMI Norgren, Ross, Bray Control, Parker, IL, SMC	
53	Proximity Switch (Feedback)	Jayshree, P&F, Ifm, Turck, Festo	
54	SMPS	ABB, Phonix, Weidmuller, Omron	
55	Local Controller	Masibus	
56	Interposing Relay	Jyoti, Salzer, Omron, Wiedmuller	
57	Junction Box	Rittal, BCH (Bhartia Cutler Hammer)	
58	Bag Filter Timer Controller System	Goyen/ Mecair, Smc, Emerson	
59	DEW Point Transmitter for Air Driers	GE, Testo, Vaisala, CS Instruments	
60	CCTV	Hikvision, CP Plus, Honeywell, Hanwha	
61	NVR	Hikvision, CP Plus, Honeywell, Hanwha	
62	Network Components	Dlink, Digisol, Alcatel, Netgear	
63	Weigh Bridge	Global, Avery	
64	Wheel Washing System	Frutiger India Private Limited	
65	OPC-53 Cement	Ultratech, RAMCO, Ambuja	
66	Gate valves/Globe Valves	L&T, KSB, KBL, Audco	
67	Butterfly Valve	L&T, KSB, KBL, Audco	
68	VFD for RFV	Danfoss	
69	Battery	HBL, Exide, AMCO	
70	Gaskets/Seals	Champion, Sealmax, Starflex, Jay Gaskets Pvt. Ltd	
71	Heat Exchanger for CAC & TAC	Any reputed make	

**Sd/- DGM- Contracts**

All other terms & conditions of the above NIT shall remain unaltered. For detailed information; please visit to our website “[www.opgc.co.in](http://www.opgc.co.in)”.

***SAFE & CLEAN POWER IS OUR COMMITMENT***



## ODISHA POWER GENERATION CORPORATION LIMITED

(A Government of Odisha undertaking)

AT-IB THERMAL POWER STATION, PO: BANAHARPALI, DIST: JHARSUGUDA, ODISHA-768234

Phone no: (Land Line No. 06645-289232/221/355/356/245)

The bidder shall consider the below changes here after for further bid preparation & participation .

S/N	Name of the Work	Tender cost(Rs.)	EMD (Rs.)	Contract Period	Bid Sale/ Issue date	Date of receipt & submission /Opening of Bid
1	EPC Contract for detailed engineering study and augmentation of existing Fly Ash Handling system in OPGC-I, 2X210 MW	20000/- including GST	2,06,28,000	As per Bid Document	22.11.24 TO 12.09.25	Up to 15:00 Hrs on 13.09.25/15:30 Hrs onwards on 13.09.25

All other Terms and Conditions of the above NIT shall remain unaltered . For detailed information; please visit to our website "[www.opgc.co.in](http://www.opgc.co.in). "

Sd/-DGM-CONTRACTS

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