



Odisha Power Generation Corporation Limited IB Thermal Power Station  
AT/P.O: BANHARPALI, DIST. JHARSUGUDA, PIN: 768234 (ODISHA), INDIA  
GRAM: IB THERMAL, Telephone: 06645-289221, Tele Fax: 06645- 289355  
E -mail: bkmishra@opgc.co.in; satya.tarai@opgc.co.in

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AN ISO-14001; OHSAS-18001 ORGANIZATION

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Tender document

Tender Information	
Classification	Supply of Electrical Items to IB thermal Power Station.
TE Number	2018-19/10(P), Dt.17.04.18
Brief TE Description	Supply of Electrical Items to IB thermal Power Station.
Tender Issue Date:	25.4.18
Document Issue/Sale Close Date	16.05.18
Bid Submission Date	17.05.18;15:00Hrs
Bid Opening Date( Technical)	17.05.18 ; 15:30 Hrs
Contact Info	AGM- SCM IB Thermal Power Station. Banharpali. Jharsuguda. PIN-768234. State: Country: INDIA. Telefax: 91-6645-289221; Cell no: 91-7682854483. Mail: satya.tarai@opgc.co.in
NIT Details	As per enclosed document.
Corrigendum Detail	Nil
EMD Amount	2% of the total quoted basic price.
Tender Document fee	Nil

*Note: Before Submission of bid, please ensure proper documentation is made in technical bid and price bid as mentioned in the bid.*

**AGM- SCM**



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### **NOTICE INVITING TENDER**

OPGC invites sealed bids from bona fide and financially sound Registered Agencies/Firms/Companies for execution of the following supplies for its 2x210MW power plant at Banharpali:

**PURCHASE TENDER:** (Telephone; 06645-289354/356; Telefax: (06645) 289 355 Email: [purchase@opgc.co.in](mailto:purchase@opgc.co.in); [satya.tarai@opgc.co.in](mailto:satya.tarai@opgc.co.in))

Sealed bids in "Two part System" in the prescribed format are invited from bona fide and financially sound reputed Manufacturers / Companies/Company authorized dealer / Agent for supply of the following items to IB-Thermal Power Station, Banharpali, as per the qualifying criteria specified there in the respective tender documents for each items.

Sl. No.	NIT No/Date	Description	Qty.	Bid sale/ Issue Dt.	Bid submission/ opening Dt.	Single bid / two bid
1	NIT No.2018-19/01(P), Dt.02.04.18	Supply of Hydrogen gas on Rate Contract basis	21600 Cubic mtr. (apprx.)	25.04.18 to 04.05.18	07.05.18	Two Bid
2	NIT No.2018-19/02(P), Dt.02.04.18	Supply of different size M S ERW pipes	4840 Metres	25.04.18 to 04.05.18	07.05.18	Single Bid
3	NIT No.2018-19/03(P), Dt.02.04.18	Rate Contract for High Cr grinding media ball	165 MT	25.04.18 to 04.05.18	07.05.18	Two Bid
4	NIT No.2018-19/04(P), Dt.02.04.18	Supply of Structural steel items		25.04.18 to 04.05.18	07.05.18	Single Bid
5	NIT No.2018-19/05(P), Dt.13.04.18	Al. troughed roofing sheets plain sheets	17800 KG	26.04.18 to 07.05.18	10.05.18	Two Bid
6	NIT No.2018-19/06(P), Dt.13.04.18	Bearing & Bearing adaptor sleeve	04 Nos.	26.04.18 to 07.05.18	10.05.18	Two Bid
7	NIT No.2018-19/07(P), Dt.13.04.18	Supply of Hot air box for BHEL make BBD Mill	02 Nos.	26.04.18 to 07.05.18	10.05.18	Two Bid
8	NIT No.2018-19/08(P), Dt.13.04.18	Inlet control damper for BHEL make PA Fan	01 No.	26.04.18 to 07.05.18	10.05.18	Two Bid
9	NIT No.2018-19/09(P), Dt.13.04.18	LH & RH Ribbons for BHEL make BBD Mill	06Nos.	26.04.18 to 07.05.18	10.05.18	Two Bid
10	NIT No.2018-19/10(P), Dt.17.04.18	Supply of Electrical items	As per Bid Document	25.04.18 to 16.05.18	17.05.18	Two Bid

(i) Time of submission /Receipt of bids: up to 15:00 Hrs. (ii) Time of bid Opening: at 15:30 Hrs.

Interested parties can collect the Tender Documents (free of cost) for purchase tenders only from the office of the AGM- SCM, ITPS, Banharpali, Jharsuguda, Odisha as per schedule mentioned upto 17:00 Hrs. Tender



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documents can also be downloaded from our website and used for participating in tender.

**NB: Bidders having the requisite qualifying requirements as specified in the bid document shall only be considered for tender evaluation.**

Bids received after stipulated date & time shall not be entertained. OPGC shall not take any liability on account of any postal/courier delay. OPGC reserves the right to accept / reject any or all tenders, seek additional clarifications, split up the scope among eligible bidders or cancel the tender altogether without assigning any reasons thereof.

**Important:** The detailed NIT along with Terms and Conditions are available for download at OPGC website at [www.opgc.co.in](http://www.opgc.co.in). Addenda/Corrigenda/ Extensions, if any, will be notified on the OPGC website only and will not be published in any other media. Interested companies or entities may visit OPGC website for the tender timeline and other details.

Sd/- AGM-SCM

(Email: [bkmishra@opgc.co.in](mailto:bkmishra@opgc.co.in); Landline No. 06645-289703)

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OPGC encourages all existing or new vendors/suppliers to register with us as empanelled vendors. Please visit our website [www.opgc.co.in](http://www.opgc.co.in) for details.

**Tender Document will be available free of cost as per schedule mentioned up to 17:00 Hrs. from the office of the Deputy General Manager, Purchase Materials, ITPS, Banharpalli, Jharsuguda.** Detailed NIT is also available at our website [www.opgc.co.in](http://www.opgc.co.in). **Any amendment and corrigendum to this NIT shall be posted in OPGC web page only.**

Firms are requested to visit our website regularly for any amendment of the present bid till finalization of bidding process and information for participation against various tenders. **Tender documents can also be downloaded from our website.**

M/s OPGC Ltd. reserves the right to accept/reject/split any tender without assigning any reason thereof and will not be responsible for any delay in postal/courier.

Firms interested for registration for supply of different materials may submit application in the prescribed vendor registration format available in our website.

AGM-SCM

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### Check List

Sl. No.	Description	Yes/No & page reference
1	Whether the Technical Bid and Price Bid are submitted in separate covers and both the covers enclosed in a common envelope.	
2	<b>Whether envelope A contains:</b>	
	a) Earnest Money Deposit (EMD) amount	
	b) Pre-Qualification details as laid down in the Tender under Eligibility Criteria.	
	c) Technical Bid in the original Tender document and other supportive documents	
	d) The Profile of the Company	
	Letter of Authorization for signing the Tender document.-	
	f) The filled up and signed Technical Specification -	
	Audited Annual report for the previous two years	
	h) Certificate of incorporation of the company	
	i) Whether all the pages of the tender documents including of Annexure signed with official seal.	
3	<b>Whether Envelope-B contains:</b>	
	Filled up and signed Price Bid documents in the price bid form in full, with price details	

### **Tender Specification for Supply of hot end/intermediate baskets and cold end baskets to IBTPS**

IB Thermal Power Station, At/PO: Banharpali, Dist. Jharsuguda , PIN: 768234 is a unit of Odisha Power Generation Corporation Limited a Govt. of undertaking and engaged in generation of 2x210 MW Thermal Electric Power. The Plant site is about 17 Kms. from Belpahar Railway Station and 40 Kms. from Jharsuguda Rly. Station on S.E. Rly. on the Mumbai- Howrah main line.

Sealed tenders are invited from the reputed potential manufacturers only in their own letter heads for “**Supply of Electrical Items to IB thermal Power Station.**” as per specification mentioned under. The bidder shall have to submit their sealed tender in two parts. The bidder shall have to confirm and clarify the following points in the techno commercial bid.

#### **Part-I –Techno Commercial bid shall comprise of the following facts with required documents**

##### **Eligibility Criteria:**

1. Bidder must be a registered company in India. Certificate of Incorporation shall be submitted as documentary evidence.
2. Bidders must have supplied similar\*\* electrical items to Power plants during last three years (from the date of issue of this tender) through single purchase order of value not less than Rs. 30.00 Lakh



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or two purchase orders of value not less than Rs. 20.00 Lakh each or Three purchase orders of value not less than Rs. 15.00 Lakh each.

3. Executed PO copies shall be submitted by the bidder as documentary evidence.
4. Minimum Average Annual Turnover of the Bidder shall not be less than Rs. 50.00 Lakh in last three Years (from the date of issue of this tender).
5. Audited balance sheet including Profit & Loss account for the previous three completed financial years (from the date of issue of this tender) shall be submitted as documentary evidence. In case the account is not audited, then certified copy by a registered practicing Chartered accountant may be submitted.

**\*\*Similar Electrical items means** a) HT & LT Cable, b) Relays, c) Level switch, d) Energy Meter and e) Lighting Materials. For qualification, any two out of a), b), c), d) & e) are compulsory.

Notwithstanding anything stated above, OPGC reserves the right to assess the capability and capacity of the Bidder to perform the contract, should the circumstances warrant such an assessment in the overall interest of OPGC.

**Other Commercial requirements:**

1. Valid PAN No. GST Reg No.. Photocopy of the same are to be submitted.
2. MSME (Micro/small/medium) status of your firm.
3. Necessary registration certificate, incorporation certificate if any needs to be submitted.
4. In case of Authorized Dealer/ Distributor, certificate to be submitted.
5. Import license along with supporting documents to be submitted.
6. EMD of 2% of the quoted basic price. Requisite EMD to be submitted in shape of DD payable on State Bank of India (Code No. 9510)/Central Bank of India (Code-3899)/ Andhra Bank, Adapada (Code-0662), Ib Thermal Power Station, Banharpali, Jharsuguda/ ICICI Bank (Code-ICIC0003679) payable at Telenpali in favour of Odisha Power Generation Corporation Limited.

**Notwithstanding anything stated above, OPGCL reserve the right to assess the capability and capacity of the bidder to perform the contract, should the circumstances warrant such assessment in the overall interest of the OPGC. Bidder making loss in last three years may not be considered.**

***Note – Documents submitted by the bidder are presumed to be genuine. At any stage, before and after award of Order, if any of the submitted documents is found to be fraudulent /fake, OPGCL reserves the right to cancel the Offer / Order as well as take punitive action as per contract, including debarment of the bidder in future tendering. The documents submitted must be clear, legible in all respect.***



**Specification Details:**

The bidder has to supply as per our specification mentioned below.

NIT No /Date	Sr No	Description	Specification	UOM	Quantity	Make	Type test, Acceptance Test and Routine Test should conform to the following IS Standard
NIT No. 2018-19/10(P), Dt. 17.04.18	1	HT Power Cable	1X3CX240 sqmm, HT XLPE AL, 6.6KV(E) grade, Armoured, Stranded Compact circular Aluminium Conductor Conductor Screened, with extruded semi Conducting Compound XLPE Insulated, Insulation Screened with extruded semi - conducting in Combination with Copper tape (0.3 KA for one sec), Cores Laid up, inner sheath of PVC Tape, Galvanised Steel flat strip Armoured, and Overall PVC Sheathed Cable Confirming to IS: 7098/II/85 With Latest Amendments	Meter	200	Recommended Make : HAVELLS / POLYCAB/ A PAR	IS 7098-Part-II
	2	LT Cable	12 core, 2.5sqmm, Cable with copper conductor, XLPE insulated, cores laid, extruded inner sheath, GI Round wire armoured and overall extruded PVC outer sheath, of 1.1KV grade, confirm to IS 7098 part 1/1988 with ISI	Meter	620	Recommended Make : HAVELLS / POLYCAB/ A PAR	IS 7098-1
	3		7 core, 2.5sqmm, Cable with copper conductor, XLPE insulated, cores laid, extruded inner sheath, GI Round wire armoured and overall extruded PVC outer sheath, of 1.1KV grade, confirm to IS 7098 part 1/1988 with ISI	Meter	420	Recommended Make : HAVELLS / POLYCAB/ A PAR	



4		16 core, 2.5sqmm, Cable with copper conductor, XLPE insulated, cores laid, extruded inner sheath, GI Round wire armoured and overall extruded PVC outer sheath, of 1.1KV grade, confirm to IS 7098 part 1/1988 with ISI	Meter	640	Recommended Make : HAVELLS / POLY/CAB/A PAR	
5		5 core, 2.5sqmm, Cable with copper conductor, XLPE insulated, cores laid, extruded inner sheath, GI Round wire armoured and overall extruded PVC outer sheath, of 1.1KV grade, confirm to IS 7098 part 1/1988 with ISI	Meter	840	Recommended Make : HAVELLS / POLY/CAB/A PAR	
6		4 core, 35 sqmm, Cable with copper conductor, XLPE insulated, cores laid, extruded inner sheath, GI Round wire armoured and overall extruded PVC outer sheath, of 1.1KV grade, confirm to IS 7098 part 1/1988 with ISI	Meter	200	Recommended Make : HAVELLS / POLY/CAB/A PAR	
7	End termination Kit	Indoor Kit - 6.6 KV/11 KV(E) - 3 Core X 240 SQ.MM , Heat shrinkable, end termination kit, to suit 11 KV (E) HT XLPE Aluminium armd. Cable Complete set with all accessories including Aluminium Lugs	Set	1	Recommended Make : RAYCHEM/ 3M/CABSE AL	IEC-60502-4 / IS-13573.
8	Energy Meter	POWER SUPPLY: Rated input: 85-265 V AC, 50/60/400 Hz, 88-290 V DC; Burden 9 VA, Isolation: 1500V DC Input to ground: 2500V AC; Operating range 690 V AC line-to-line, 400 V AC, line-to-neutral, Direct input and input via PT : up to 790 V AC line-to-line, up to 460 V AC line-to-neutral, Operating range Continuous 2A RMS (1A Secondary), Communication Ports COM1 : RS-485 optically isolated port Isolation 3000 V AC 1 minute, Baud rate up to 115.2 kbps, Supported protocols : Modbus RTU, DNP3, 3 pins, 0.2S	NO	1	Recommended Make : Satec/L&T / SCHNIEDER	IS 13779



		Class Accuracy				
9	Level Switch	Levcon vertical Displacer operated Level Switch,MLS Series,Model : MLS 3148-4622S,230 VOLT AC/DC,5 Amp	NO	1	OEM,To suit spare interchang ability(One to One Solution)	IS 2148:2004
10	100 mm Ladder Type Cable Tray	100mm Ladder Type Cable Tray,GI,Perforated	Meter	100	Reputed Make	IS 4759 : 1996
11	50mm Ladder Type Cable Tray	50mm Ladder Type Cable Tray,GI,Perforated	Meter	100	Reputed Make	
12	MCB	6 amp,double pole,220 V DC,10 KA	NO	2	Recommen ded Make :SIEMENS/ ABB/LEGRA ND	IEC/EN 60898
13		4 amp,double pole,220 V DC,10 KA	NO	2		
14		2 amp,double pole,220 V DC,10 KA	NO	1		
15		16 amp,double pole,220 V DC,10 KA	NO	1		
16		6 amp,double pole,415 V AC,10 KA	NO	2		
17		4 amp,double pole,415 V AC,10 KA	NO	1		
18		2 amp,double pole,415 V AC,10 KA	NO	1		
19	CONT ACTOR	Contactor for contact multiplication,4 NO+4 NC,220 V DC	NO	4	Recommen ded Make :SIEMENS/ ABB/TC	IEC/EN 60947
22	HIGH SPEED TRIPPI NG RELAY, 86	220 VOLT,Model No - VAJHM13BF3D,	NO	1	Alstom Make(OEM )To suit spare interchang ability(One to One Solution)	IS 3231:1981





23	ANTIPUMPI NG RELAY, 94	220 V DC, Model No - VAA11YF8402F(M)	NO	1	Alstom Make(OEM )To suit spare interchang ability(One to One Solution)	
24	BREAKER CONT ACT MULTIPLICAT ION RELAY, 52X	220 V DC, Model No - VAJC11BF8305A(M)	NO	1	Alstom Make(OEM )To suit spare interchang ability(One to One Solution)	
25	TRIP CIRCUIT SUPERVISION RELAY	220 V DC, Model No - VAX31ZG8075B(M) , Type VAX MK.II	NO	1	Alstom Make(OEM )To suit spare interchang ability(One to One Solution)	
<b>Lighting Materials</b>						
1	Lighting Fixture	High bay LED light(mounting height>5 M) including mounting fittings,drivers & accessories,120 watt,230 volt AC.	NO	4	PHILIPS/HAVELLS/SYSKA	IS 16101-16108 : 2012
2	Lighting Fixture	LED Flood light Luminaire including mounting fittings,drivers & accessories,150 watt,230 volt AC,IP 65,wall Mounting.	NO	4	PHILIPS/HAVELLS/SYSKA	
3	LT Cable	1 CORE X 2.5 SQ.MM,Cable with Multi strand Bright annealed Bare Copper Conductor , FRLS PVC Insulated and PVC Round sheathed, Flexible Cable Confirm to IS 694 – ISI	Meter	600	Recommended Make: ORBIT/HAVELLS / POLYCAB	IS 7098-1
4	LT Cable	4 core, 16 sqmm,Cable with copper conductor, XLPE insulated, cores laid, extruded inner sheath, GI Round wire armoured and overall extruded PVC outer sheath, of 1.1KV grade,	Meter	50	Recommended Make :HAVELLS / POLYCAB/ A PAR	IS 7098-1



		confirm to IS 7098 part 1/1988 with ISI				
5	GI Conduit	25 mm dia GI Conduit, ISI mark	Meter	200	Recommended Make : BEC/AKG/MAXO	IS:9537 (Part II)/1981
6	Industrial Plug & Socket	3 phase, 415 volt, 32 amp, 5 Pin, Surface Mounting Switched Socket Interlocked Water Tight IP-67	NO	1	Recommended Make : HENSEL/GE WISS/LEGR AND	IEC 61 439-3
7	Industrial Plug & Socket	1 phase, 230 volt, 32 amp, 3 Pin, Surface Mounting Switched Socket Interlocked Water Tight IP-67	NO	1	Recommended Make : HENSEL/GE WISS/LEGR AND	
<b>EARTHING WORK</b>						
1	Earthing flat	75X12 MM GI Flat, hot dip galvanized	Meter	200	Reputed Make	IS 3043 - 1987
2	Earthing flat	40X6 MM GI Flat, Hot dip galvanized	Meter	200	Reputed Make	
3	40 mm MS round pipe	40 mm MS round pipe for earthing as per IS : 3043 - 1987	Meter	200	Reputed Make	
4	Earthing Electrode	40 mm nominal Bore & 3.2 mm (Medium Gauge- No minus Tolerance allowed) wall thickness Hot Dip G.I. Pipe (as per IS :- 1239, Part-1, 1990 & REC construction Standard -J-2), ISI marked of reputed Make & 3 mtrs length tapered finished smooth at one end for a length of 75 mm & Clamp at the other end. Staggered drills hole of 12 mm Dia of interval of 150mm shall be made before galvanization	NO	4	Reputed Make	



**Supply of Instrument Panel:**

<i>General</i>	<i>ITEM</i>	<i>Specification</i>
1	Panel Name	Instrument Panel
2	Type of Panel	Single Front Non Compartmentalised
3	Type of Construction	Welded Construction
4	Type of Panel Mounting	Floor Mounting, Free Standing
5	Class	IP- 65, All Weather Proof
6	Colour Procedure	Powder Coating
7	Color Shade	Grey (Interior & Exterior)
8	Finish	Structure Finish
9	Thickness	60-80 Micron
10	Quantity	1 NO

<i>GASKET</i>		
<i>SL.No.</i>	<i>ITEM</i>	<i>MATERIAL</i>
1	DOOR	NEOPRENE
2	PANEL GLAND PLATE	NEOPRENE

<i>WIRING</i>	<i>ITEM</i>	<i>Specification</i>	
1	POWER WIRING	PVC/ABC/MSTR/1.1KV	AS REQ.
2	CONTROL WIRING FOR AC CIRCUIT	PVC/ABC/MSTR/1.1KV	2.5 SQMM CU ( GREY COLOR )
3	CONTROL WIRING FOR DC CIRCUIT	PVC/ABC/MSTR/1.1KV	2.5 SQMM CU ( RED & BLACK COLOR )
4	EARTH WIRE	PVC/ABC/MSTR/1.1KV	2.5 SQMM CU ( GREEN COLOR )
5	FERRULING		CRISS CROSS

<i>TAG LOCATION</i>	<i>TAG SIZE ( MM )</i>	<i>MATERIAL</i>	<i>PRINT / ENGRAVING</i>
OUTSIDE PANEL TAG	150 X 40	BLACK PVC SHEET	WHITE ENGRAVING
INTERNAL INSTRUMENT TAG	40 X 15	METELIZED POLYSTER	PRINTING

<i>MECHANICAL CONSTRUCTION</i>			
<i>S.No.</i>	<i>ITEM</i>	<i>MATERIAL</i>	<i>THICKNESS</i>
1	Door/Cover	CRCA	2 MM



2	ENCLOSURE FRAME	CRCA	2 MM
3	GLAND PLATE	CRCA	3 MM
4	CABLE ENTRY	BOTTOM	
5	GLAND PLATE	UNDRILLED & REMOVABLE	

<b>SUPPLY VOLTAGE</b>		
1	SUPPLY VOLTAGE	240 VOLTAGE, 1 PHASE, AC SUPPLY

<b>Note:</b>	
1	All PB shall have 2 NO + 2 NC contact.
2	SS Double compression glands to be provided.
3	20 % spare terminal to be provided.

SI No	Items	Make	Qty
1	Wire 6 sqmm with lugs and ferrules	HAVELLS / POLYCAB/APAR	As Required
2	Power Terminal	Connectwell/Elmex/TECHNOPLAST	As Required, At least 20 % spare terminal to be provided.
3	Annunciator 12 window Microprocessor Based, power supply 110/220V AC/DC and DIP switches outside, Front replaceable Facia, 1 NO + 1 NO Output Contacts, 5 Amps 240 V AC (Resistive) Contact Rating, Integrated Architecture, ISO 9001	Minilec/PROTON/ESD	1 Nos
4	Analog Ammeter, 0-100 AMP RANGE, CTR 100/1	AE/RISHABH/IMP	1 Nos
5	Ammeter selector switch, 4 way	Kaycee/Switron/Concord/L&T	1 Nos
6	Open/Close/Stop Push Button with 2NO+2NC; Color - Green/Yellow/Red	Teknic/L&T/SIEMENS/BCH/CONCORD	3 Nos
7	Hooter	Vaishno/Steam Airetric Controls/PROTON	1 Nos
8	Temperature Scanner, microprocessor	JYOTI/Libratherm/PRADEEP	1 Nos



	based, 16 channel universal data logger, Real time Data stamping, 20000 transactions Memory Capacity, Adapter Supply Voltage 110/230 V AC - 50/60 Hz & 12V DC/ 1A adapter, Communication RS485 output, Relay Output : 8 Relays output with external card (Optional), Mounting : Din Rail, Sensor Input : Temperature: RTD PT-100 (2 or 3 wire) , Linear Inputs : 4mA - 20mA, 0mA - 20mA, 0-1 V, 0-5V; Sensor Range : Temperature: RTD PT-100 : Upto -200°C to 850°C; Sensor Accuracy/ Tolerance : Temperature (PT100): $\pm 0.5^\circ\text{C}$ ; Temperature Resolution : Temperature : RTD PT-100: $0.1^\circ\text{C}$		
9	Indicating Lamp	Teknic/SIEMENS/BCH/CONCORD	1 Nos
10	4 Pole/Way Selector Switch (Auto/Manual/Test/Off)	Kaycee/L&T/SIEMENS/BCH/CONCORD	2 Nos
11	MCB	Siemens/Havells/MDS	As Required
12	Control Transformer 415/230 V AC Insulation Class B	ECS/G&M/SILCHAR	1 Nos
13	HRC FUSE WITH BASE	GEC-A/STANDARD/KAYCEE	As Required
14	TNC Breaker Control SWITCH	L&T/SIEMENS/BCH/CONCORD	1 Nos

Note : The Existing Instrument Panel Drawing shall be provided by OPGCL for reference. The actual schematic drawing shall be submitted by vendor and will get it approved by OPGCL Engineer in charge. Instrument Panel drawing, mounted items and instruments on the panel should be one to one solution to the existing one. The existing instrument panel in the drawing is designed for three transfer water pump, we need the instrument panel designed for only one transfer water pump. Drawing and instruments should be according to that only. Above listed items are not exhaustive, vendor shall mount other suitable items to make the installation complete. Vendor shall visit the site and can collect the necessary data and details as required, if necessary.

### **Supply of Numerical Relay**

1. Supply of Numerical Motor Protection Relay with RTD.

MODEL: AGILE MICOM P241.

2. Installation and wiring of P241 Scheme

3. Testing & Commissioning of New P241

4. Recommended Setting shall be provided by OEM. Motor Technical datasheet and Characteristic Curve will be submitted by M/S OPGCL for the reference .



## **PB station Open Close Stop**

### STANDARDS

All materials, equipment and accessories, shall conform to latest edition of relevant Indian standards, some of which are listed below:

IS 2147 : Degree of Protection provided by enclosures for low voltage switchgear and control gear

IS 6875(PART II): Push buttons and related control switches.

IS 694(PART I): PVC insulated cables (for voltages upto 1100 volts) with copper conductors.

IS 4794 : Push button switches.

IS 1248 : Direct acting indicating analogue electrical measuring instruments and their accessories.

IS 1336 : Recommendations for the colour of push buttons.

### CONSTRUCTION

#### ENCLOSURE

Local control station shall be cast iron / cast aluminium enclosure with IP65 protection. enclosure of local control station shall be weatherproof & shall be provided with canopy.

Enclosure door shall be bolted type with no component mounted on it except the push button.

Contact elements shall be mounted inside/ on the base of control station.

Neoprene Gasket will be provided.

#### TERMINALS

Clip on/ Cage Clamp/ Cat M3 type terminals blocks suitable for connection of 2.5/4 mm<sup>2</sup> copper conductors. Terminal design must ensure secure & vibration - proof connections. Terminals for each push button to be brought out separately into terminal chamber.

MAKE : ELMEX / CONNECTWELL./ PHONIX / WAGO.

#### MOUNTING

Enclosure of local control station shall be provided with external fixing lugs. The lugs shall be offset type to facilitate correct positioning. in case of FRP Enclosure mounting Lugs will be duly hot dip galvanized.

#### EARTHING

Enclosure of local control station shall be provided with two nos. external earth terminals, each complete with 2 plain and one spring washers, and a nut.

#### CABLE ENTRY

Enclosure of all local control stations shall be provided with two cable entries ¾" E.T. at bottom unless specified otherwise. One entry to be blocked with rubber grommet.

Cable Glands shall be provided with it.

#### ELECTRICAL COMPONENTS

##### PUSH BUTTONS

3 NOS : OPEN-CLOSE-STOP



Odisha Power Generation Corporation Limited IB Thermal Power Station

AT/P.O: BANHARPALI, DIST. JHARSUGUDA, PIN: 768234 (ODISHA), INDIA

GRAM: IB THERMAL, Telephone: 06645-289221, Tele Fax: 06645-289355

E-mail: bkmishra@opgc.co.in; satya.tarai@opgc.co.in

Push buttons element shall have 1 NO & 1 NC momentary type contacts of rating 5A, 500 V AC. Stop push buttons shall have stay put feature (Lockable) and mushroom knobs.

## WIRING

Local control stations shall be completely wired upto terminals with 2.5 sq.mm. copper conductor PVC insulated cables. A terminal block to be provided for connection of external cables. Terminals to be clamp type and suitable for 2.5 sq. mm. conductor. Ample space to be provided between gland plate and terminals.

## PAINTING

All metal surfaces shall be thoroughly cleaned and degreased to remove scale, rust, grease and dirt. Fabricated structures shall be pickled and then rinsed to remove any trace of acid. The surface shall be prepared by applying a coat of phosphate paint and coat of yellow zinc chromate primer. The surface shall be made free from all imperfections before undertaking the finishing coat. After preparation of the surface, it shall be powder coated with two coats of epoxy based final paint. Colour shade of final paint shall be as specified in datasheet. The finished panels shall be dried in stoving ovens in dust free atmosphere. Panel finish shall be free from imperfections like pinholes, orange peels, runoff paint etc. All unpainted steel parts shall be cadmium plated or suitably treated to prevent rust formation. If these parts are moving elements then they shall be greased.

## NAME PLATES

Each control stations to be provided with rear engraved perspex nameplates with white letters on black background. (Inscription details will be furnished separately). Push buttons to be provided with legend plates giving their respective function.

## DRAWINGS & INFORMATION

Drawings and Test Certificates as stipulated in Vendor Document Requirements shall be furnished. General Arrangement drawing showing all dimensions, cable entry details, earthing terminals, mounting arrangement etc. shall be furnished for Owner / consultant's approval .

## **PB Station Start and Stop**

### STANDARDS

All materials, equipment and accessories, shall conform to latest edition of relevant Indian standards, some of which are listed below:

IS 2147 : Degree of Protection provided by enclosures for low voltage switchgear and control gear

IS 6875(PART II): Push buttons and related control switches.

IS 694(PART I): PVC insulated cables (for voltages upto 1100 volts) with copper conductors.

IS 4794 : Push button switches.



IS 1248 : Direct acting indicating analogue electrical measuring instruments and their accessories.  
IS 1336 : Recommendations for the colour of push buttons.

## CONSTRUCTION

### ENCLOSURE

Local control station shall be cast iron / cast aluminium enclosure with IP65 protection. enclosure of local control station shall be weatherproof & shall be provided with canopy.

Enclosure door shall be bolted type with no component mounted on it except the push button.

Contact elements shall be mounted inside/ on the base of control station.

Neoprene Gasket will be provided.

### TERMINALS

Clip on/ Cage Clamp/ Cat M3 type terminals blocks suitable for connection of 2.5/4 mm<sup>2</sup> copper conductors. Terminal design must ensure secure & vibration - proof connections. Terminals for each push button to be brought out separately into terminal chamber.

MAKE : ELMEX / CONNECTWELL./ PHONIX / WAGO.

### MOUNTING

Enclosure of local control station shall be provided with external fixing lugs. The lugs shall be offset type to facilitate correct positioning. in case of FRP Enclosure mounting Lugs will be duly hot dip galvanized.

### EARTHING

Enclosure of local control station shall be provided with two nos. external earth terminals, each complete with 2 plain and one spring washers, and a nut.

### CABLE ENTRY

Enclosure of all local control stations shall be provided with two cable entries ¾" E.T. at bottom unless specified otherwise. One entry to be blocked with rubber grommet.

Cable Glands shall be provided with it.

## ELECTRICAL COMPONENTS

### PUSH BUTTONS

2 NOS : START-STOP

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Stop push buttons shall have stay put feature (Lockable) and mushroom knobs.

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Drawings and Test Certificates as stipulated in Vendor Document Requirements shall be furnished. General Arrangement drawing showing all dimensions, cable entry details, earthing terminals, mounting arrangement etc. shall be furnished for Owner / consultant's approval .

**NB:1. Interested bidders may visit to our site and take the measurement and get themselves clarified about the technical details of required items. by seeing it physically before they submit their offer.**

**2. Please mention the weight of each item quoted.**

#### **Special Terms and Conditions:**

1. Payment Term: The bidder has to accept our payment terms i.e 90% payment shall be made within 30 days from the date of final acceptance of material & 10% shall be made within 90 days on submission of 10% of PO value as performance bank guarantee valid for a period of 18 months from the receipt of materials or 12 months from the date of use whichever is earlier. Extra 03 months grace period shall be provided by them for lodging or claiming the same.
2. Guarantee: The bidder shall have to confirm that guarantee period of 12 months commencing from the date of utilisation or 18 months from the date of last despatch whichever is earlier for defects in material and bad workmanship. Materials are also to be guaranteed for one to one interchangeable with the existing one.
3. Status of Firm: The vendors shall be intimated their category of their unit status like Mini, Micro & Small as per the DIC (District Industries Certificate).
4. Delivery: The bidder has to clarify to deliver the material within **six weeks** from the date of receipt of our order. Schedule of delivery shall be a point for consideration during evaluation of the bid.
5. Validity: The price shall remain valid for a period of 180 days from the date of opening of techno-commercial bid.
6. Any deviation from above points shall have to be mentioned clearly in the techno commercial bid.
7. Original hard copy of Bank mandate to be submitted for release of payment through RTGS / E transfer. Bank mandate form is enclosed for the purpose.



8. Soft copy (Excel/Word) of the offer in CD.
9. Test certificate shall be furnished along with the supply.
10. QAP to be submitted.
11. Vendor may depute their representative for any technical clarification before submission of technical bid.
12. 5 % (Five percent) of the PO basic value is to be submitted as security deposit in shape of DD or BG.

## **TENDER NOTICE NIT GENERAL TERMS & CONDITIONS**

1. Sealed Tender is invited (in duplicate) for the supply of articles as per details mentioned in the bid. Tender should be submitted in a proper sealed envelope addressed to the AGM-SCM, OPGCL- IB Thermal Power Station, Banharpali, Jharsuguda-768234, in variably giving on the cover Tender Notice No., Name of the Articles, and the date of opening and EMD details.

### 2 Basic Qualification of Bidders

This bidding is open to any Manufacturer/ Supplier who provides satisfactory evidence that he:-

- (a) Is a qualified manufacturer or an authorized representative of a qualified manufacturer who regularly manufactures the equipment of the type specified and has adequate technical knowledge and practical experience.
- (b) Does not anticipate change in the ownership during the proposed period of work (If such a change is anticipated, the scope and effect thereof shall be defined).
- (c) Has adequate financial stability and status to meet the financial obligations pursuant to the scope of the assignments (The bidders should submit at least 3 copies of their profit and loss account and balance sheet for the preceding 3 years, including turn over).
- (d) Has adequate plant and manufacturing capacity available to perform the assignment properly and expeditiously within the time period specified. The evidence shall consist of written details of the installed manufacturing capacities and present commitments (excluding the assignments under this specification) of the bidder or his Principal. If the present commitments are such that the installed capacity results in inadequacy of the manufacturing capacities to meet the requirement of equipment corresponding to this bid, then the details of alternative arrangements to be organized by the bidder for this purpose and which shall meet the owner's approval shall also be furnished.
- (e) Has established quality assurance systems and organization designed to achieve high levels of equipment reliability during his manufacturing activities.

### 3 **Amendment in Specifications**

**OPGCL may revise or amend the specification and drawings prior to the date notified for opening of tenders. Such revision / amendment, if any, will be communicated to all tenderers as amendment / Addendum to the specification which will also be published in OPGC web site only. Vendors may visit our website regularly till finalization of tender.**

- 4 Requirement to read the Tender Specification by Bidder: The Tenderers are requested to go through all the contents of Tender specification before preparing their tender / bids for submission.
- 5 The quantities mentioned in the Tender Notice shall be deemed to be only approximate and will not in any manner whatsoever be binding on the OPGCL- Ib Thermal Power Station.
- 6 Manuals/Pamphlets/Leaflets and drawings illustrating technical details/year of manufacture, makers name, country of origin must be enclosed with the tender, sample if required should be submitted along with the tender



- 7 The tenders submitted must be free from over writings or eraser. Corrections & additions if any must be attested. Incomplete tender should not be submitted. Tenders received after the due date of opening will not be entertained.
- 8 In case of items of specific make, only manufacturers and their accredited agents/stockiest/authorized dealers are entitled to quote. For this they should submit an attested copy of the printed price list along with the tender.
- 9 All tenders are to be submitted up to 15:00 hours on the opening date & they will be opened at 15:30 hours on the date specified. Representatives of the bidders those who choose to be present may attend the bid opening.
- 10 The tender shall remain open for acceptance for a period of **180 DAYS FROM THE DATE OF OPENING UNLESS OTHERWISE SPECIFIED**. Tenders with a Validity of Less than **180** days are liable to be rejected/ or have lesser preference than those adhered the tender conditions.
- 11 Actual percentage of GST of any description whatsoever where leviable and intended to be claimed from the OPGCL-IB Thermal Power Station, whether as a part of the price or by way of tax in purchase of any statutory provisions enabling the dealer to collect the GST leviable on him for purchase should be distinctly shown along with the price quoted. Where it is not done all claims for payment or reimbursement of GST any description whatsoever whether part of the price or extra will be deemed to have been waived and such claims shall not be entertained on any ground whatsoever.
- 12 GST REGISTRATION NUMBER MUST BE INDICATED IN VARIABLY FAILING WHICH OFFER SHALL NOT BE CONSIDERED.
- 13 Rates quoted should be F.O.R. IBTPS, Banhaprali. In case rates Ex-go down shops Please indicate actual amount of Packing and Forwarding charges and railway freight/Road freight up to destination, IB Thermal Power Station, Banhaprali, Jharsuguda, Odisha. Jharsuguda is our nearest transport go down which is 40 Kms from Ib Thermal.
- 14 Percentage of GST declared to be charged should be distinctly shown along with the price quoted. GST Registration number must be indicated invariably.
- 15 Quality of materials to be supplied should be brand new, free from all flaws, good finish and should be as per technical specification and relevant to IS specification.
- 16 Destination means Central Stores, Ib Thermal Power Station, Banhaprali
- 17 Wherever tenderers have entered into the Rate Contract with Director General of Supplies and Disposals they will indicate the same in their tender. They will also certify that the rates quoted are same as are applicable on the rate contract finalized the Director General or Supplies & Disposals.
- 18 Illustrated pamphlet/leaflet and drawing indication technical details/Year of manufacture, Maker's Name , Country of Origin etc. must be enclosed with tender.
- 19 SPECIAL ATTENTION OF THE TENDER IS INVITED ABOUT THE RECEIPT OF TENDER IN TIME TENDERS RECEIVED AFTER THE STIPULATED DATE AND TIME DUE TO ANY REASON WHATSOEVER SHALL NOT BE CONSIDERED TENDERERS ARE REQUESTED TO SEE THAT THE TENDERS ARE DELIVERED IN THE OFFICE BEFORE THE PRESCRIBED DATE AND TIME.
- 20 The delivery period quoted must be specific and realistic. The inability of the successful tenderers to execute orders in accordance with delivery schedules will entitle OPGCL to purchase the stores at the risk and cost of the contractors such failures will also be kept in view while considering that subsequent tenders.
- 21 With regard to acceptance of tender for earlier delivery it should be noted that if the contract is placed on higher tender in preference to the lowest acceptable offer in consideration of earlier delivery the contractor will be liable to pay to OPGCL, the difference between the contract rate and the lowest acceptable, in case of failure to complete suppliers in terms of such contract within the



- date of delivery specified in the tender and incorporated in the contract. This is without prejudice to other rights of the OPGCL under the terms of contract.
- 22 The time given for delivery or dispatch shall commence from receipt by the contractor of the purchase order. The time for and the date of delivery or dispatch stipulated in the schedule for the delivery or dispatch of stores shall be deemed to be the essence of contract and should the contractor fail to deliver or dispatch the stores or any consignment thereof within the period prescribed for such delivery or dispatch the purchaser shall be entitled to withhold payment until the whole of the stores have been supplied and to recover from the contractor a sum of the half percent of the price of any stores which the contractor has failed to deliver or dispatch aforesaid for each and within week or part of a week during which the delivery OR dispatch of such stores may be in arrears subject to maximum of five percent of total of the contract value alternatively at the option of the Purchaser shall be entitled to purchase also where on the account & at the risk of the contractor the store of any consignment thereof which the contractor has failed to deliver or dispatch as afore said if not available the nearest available substitute thereof to cancel the contract and the contractor shall be liable for all loss or damage which may sustain by reason of such failure on the part of the contractor.
- 23 Suppliers failing to execute the order placed on them to the satisfaction of OPGC under the terms and conditions set forth therein, will be liable to make good the loss sustained by the Board, consequent to the placing of fresh orders elsewhere at higher rates, i.e. the difference between the price accepted in the contract already entered into the price at which fresh orders have been placed. This is without prejudice to the imposition of liquidated damages.
- 24 It is a condition of the contract that all though the currency thereof, the price at which the tender shall supply stores shall be firm.
- 25 Tenderers may kindly note that it is essential to pay the requisite amount of earnest money in any one of the following form.
- a) Demand draft.
- b) Bank Guarantee from a Nationalized Bank irrevocable and operative till the validity of the offer. The earnest money will be liable to be forfeited on revocation of the quotation expired if refused to enter into a contract after the award is made to the tenderer.
- 26 Small scale industries/National Small Scale Industries Corporation shall be exempted from payment of Earnest Money Deposit/Security Deposit/Tender Fees only if they are entitled for exemption of the offered items. Tenderers seeking exemption should enclose a photocopy of valid registration certificate with NSIC.
- 27 Successful tenders will have to deposit security by the date specified in the Acceptance of Tender in case they fail to deposit security by the specified date the OPGCL reserves the right to adjust the same from the payment pending with the OPGCL, ITPS, and Banhaprali.
- 28 OPGCL reserve the right to give preference to those quoting payment and delivery as per bid norms. Loading shall be made for other terms of payment and delivery.
- 29 Wherever samples are asked from tenderers the same shall be submitted freight paid through post of Railways/Road Transport and should reach the OPGCL within the stipulated date and time failing which to cognizance will be given to such samples which are received late.
- 30 Printed Terms and Conditions on letter heads or Quotation form of tenderers shall not be applicable.
- 31 Tendering firms are advised to quote as per our serials number specified in tender notice.
- 32 OPGCL Reserves the right to reject all or to any of the tenders or to accept the tender or to accept the tender either in full or in part or to split of the contract without assigning any reason.
- 33 The quote price, discount if any should be typed both in words as well as in figure without any cover typing. Alternations if any should be made clearly by crossing already entered rates and all such corrections should be attested by the tenderers under their full signature in no case there should be



- over writing and all tender with such over writing and all tender with such over writing shall be liable for rejection.
- 34 Our tender notice No. & due date of opening nature of items and vendors complete address should in variable be indicated on the top of the envelope, Bank charges always borne by the vendor.
- 35 Wherever I.S is available please quote as per I.S only, otherwise quote the brand name of the quote items goods must be dispatch through authorized dealer.
- 36 The material supplied shall be guaranteed for a period of 18 months from the date of supply or 12 months from the date of actual use whichever is earlier.
- 37 These terms and conditions shall form a part of the contract.
- 38 **EFFECTING OF RECOVERIES:** Any loss, arising incident to non-fulfilment of this contract or any other contract, will be recovered from the Security Deposit held and or any other amount due to the supplier from OPGC.
- 39 **PATENT RIGHT ETC:** The Supplier shall indemnify the purchaser against all claims, actions, suits and proceedings for the infringement or alleged infringement of any patent, design or copy right protected either in the country of origin or in India by the use of any equipment supplied by the supplier other than for the purpose indicated by or reasonably to be inferred from the specification.
- 40 **Jurisdiction:** All contracts effected between OPGCL and vendor shall be subject to Jharsuguda Court Jurisdiction and shall be governed by Law. It is agreed that no other court shall have jurisdiction to entertain any suit or proceedings, even though, part of the cause of action might arise within their jurisdiction. In case any part of the cause of action might arise within the jurisdiction of any other Courts in Odisha, and rest within the jurisdiction of Courts outside the State of Odisha, then it is agreed to between the parties that such suits on proceedings shall be instituted in a Court within the State of Odisha and no other Court outside the State of Odisha have jurisdiction.
- 41 **Arbitration:** In case of any dispute arising out of the supply or interpretation of meaning of the terms in these conditions of purchase or any alleged breach thereof, the same shall be referred to independent Arbitrator/s selected by the aggrieved party and consented by the other party. The arbitration shall be conducted in accordance with the provision of Indian Arbitration Act of 1996 or modifications thereof and award of Arbitrator shall be final and binding on both parties. The arbitrations shall be conducted at Jharsuguda or at such place as decided by Arbitrator. The cost, incidentally shall be borne by the vendor.
- 42 **Litigation:** All expenses and cost in connection with litigation, if any, will be to vendor account.
- 43 (a) Preparation of comparative statement  
The Proforma for comparative statement has been standardized and is as per annexure of manual. CS should be prepared as per proforma and loading actors to be used for loading are as mentioned below (if not mentioned specifically in the offer).  
P&F charges 2%  
Freight 2%  
300 Kms. to 500 Kms. 3%  
500 Kms. To 1000 Kms. 4%  
Above 1000 Kms. 5%  
Insurance 0.086%  
GST in %  
(NOTE: Percentage loading will be limited to full truck/trailer load rate for each truck load).
- (b) Payment terms loading  
1.5% per month (wherever parties have quoted 100% through bank/advance against our standard and payment terms of 100% after receipt and acceptance of materials within 30 days.)



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In case of payment through bank loading for a period 30 days and in case of advance payment along with P.O. the loading for the period of delivery period plus 30 days, may be taken. In case of 90% through bank & balance 10% within 30 days after receipt and acceptance of materials.

Loading factor will be  $1.5 \times 0.9 = 1.35\%$ . Accordingly for other payment terms loading factors will be calculated.

(c) Delivery term loading: If the delivery period required as per bid requirement is deviated the loading shall be done @0.5% per week or part thereof for the period over and above the stipulated delivery period.

(d) If the PBG clause is not accepted or deviated loading for the same shall be done.

Loading procedures

Basic Price

Packing & Forwarding charges (on basic price only)

Freight\* on (Basic + P&F)

Insurance on (Basic + P&F + Freight\*)

GST on (Basic + P&F + Freight\* + Insurance\*\*)

Payment Terms Loading on (Basic + P&F + Freight\* + Insurance\*\* + GST)

NB: \*Freight shall be loaded as applicable under GST regime i.e. Freight Paid or To-Pay.

\*\*Transit Insurance shall be loaded as applicable under GST regime i.e. whether to be borne by party Or OPGC.

Any other component shall be loaded and evaluated as applicable

(a) In case of price variation clause (without specific mention of quantum), 10% price escalation per annum may be proportionality loaded and a capping of price escalation limited to 10% shall be acceptable to the vendor.

(b) Input tax credit benefit (ITC) shall be pass on to OPGC while quoting the unit basis price.

(Adverse loading in each factor to be done for comparison purposes, in case vender has not mentioned specifically

however, for placement of order the lowest/beneficial terms will be indicated.)

Note: Clauses if mentioned under Special Terms and Conditions shall override the above clauses.

#### **IMPORTANT NOTICES:**

- 1) Please fill in the proforma for summary quotation as per specimen given.
- 2) Tenders not specifying the exact rates of taxes and duties (wherever applicable) shall be loaded to the highest slab or may not be considered.
- 3) Any deviation in Technical Specification/ terms & conditions shall be clearly specified in details, failing which shall be deemed the NIT specification & Terms conditions are acceptable in totally unless and otherwise specified.
- 4) Any deviation in Technical Specification/ terms & conditions shall be clearly specified in details, failing which shall be deemed the NIT specification & Terms conditions are acceptable in totally unless and otherwise specified.
- 5) The suppliers/contractor is required to manufacture the product/carryout the work in controlled condition so as to contain Air pollution, water/land contamination within relevant legislative & statutory requirement.
- 6) Vehicle must accompany TREM Card for transportation of materials wherever applicable to OPGCL. Driver must carry valid driving license for transporting the materials to OPGCL.



- 7) Vendor/Representative/Vehicle driver must wear Safety Helmet, Shoes inside the Plant premises.
- 8) All person(s) connected with OPGCL shall have to adhere the safety rule regulations of the Company.
- 9) Salient points of HSE (Health Safety & Environment) that are to be considered while submission of offer are:
  - a) Consumption benchmarks related to output shall be provided wherever applicable for key input resources (energy/fuel/chemicals).
  - b) Competency requirements for operation, maintenance and calibration if any.
  - c) MSDS to be submitted in case any hazardous chemicals as per MSIHC (Manufacturing, Storage, Import of Hazardous Chemicals (Rules 1989/94/2000 along with onsite and offsite emergency plan (as applicable).
  - d) Occupational and Health safety control measures for safe working of the equipment offered.
  - e) Equipment should be fitted with guard for rolling and moving part as per OH&S legislation and Factory Act.
  - f) The recommended PPE for the equipment to be furnished.
  - g) Details of all hazardous/harmful substances discharged as by-products/wastes during operations to be mentioned along with their permissible limits.
  - h) Appropriate pollution controls measures to be taken to keep the emissions from the material to be clearly mentioned.
  - i) Chemical banned due to their negative impact on the environment shall not be used in the offered item.
  - j) Details of disposal practices to be followed to be provided for the chemicals and the equipment.
  - k) Primary materials used in the equipment shall be specified and they should be eco-friendly.
- 10) Vendor shall take all measures necessary steps to maintain integrity in totality throughout the bidding process. He or any of the representatives, third person shall not be engaged in any manner to anybody in the business at any point of time for biasing or indulged in corruption process during any stage of bidding process (pre contract or post contract stage) in order to secure the contract or in furtherance to secure it. Indulgence of such unfair practices will lead to forfeiture of Cancellation of EMD, Security deposit and performance bond without assigning any reason.
- 11) OPGCL reserves the right not to accept the lowest rate quoted by the bidder and reject any or all the offer without assigning any reason whatsoever. M/s OPGC Ltd. also reserves the right to accept /reject /split any tender without assigning any reason thereof.

AGM-SCM



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**DEVIATION FROM COMMERCIAL SPECIFICATION**

All Deviations from the Commercial terms shall be filled in by the Tenderer, Clause by Clause, in this Schedule.

Section No.	Clause No.	Deviation details	Remarks

The tenderer hereby certify that the above mentioned are the only deviations from the Commercial terms of the Specification.

Company Seal:  
Designation:  
Company :

Signature :





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**STATEMENT OF SUPPLY ORDERS EXECUTED / UNDER EXECUTION DURING THE PAST FIVE YEARS AS ON THE DATE OF TENDER**

Name of Equipment/Material	Name and Address of the Organisation.	Po No. & Date	Qty.	Value in Rs.	Schedule date of completion of order	Actual date of completion of order

Company Seal:

Designation:

Company :

Signature :



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## PROFORMA FOR SUMMARY QUOTATION for Technical & un-priced Commercial bid

Tender No.:

Sl. No.	Techno Commercial Points	OPGCL Needs	To be filled by the bidder mentioning the respective page no. of the specified document is enclosed.
1	Technical Specification as per Tender Enquiry	Accepted/ Not accepted. If not accepted detail deviation and proposal.	
2	Credentials	Submitted/ Not submitted as per bid requirement.	
3	The Bidder must be a reputed manufacturer/dealer/Authorised agent and have in line experience, financial capability and have supplied such items to other Industrial concerns of repute.	Yes/ No.	
4	Bidder is a ISO 9001/ISO14001 firm	Yes/No	
5	All Tests to be carried out as per the bid document	Yes/No	
6	Bidder has to submit EMD either in shape of DD payable on State Bank of India (Code No. 9510) Banharpali/Central Bank of India (Code-0283899)/ Andhra Bank, Adapada (Code-0662), Ib Thermal Power Station, Banharpali, Jharsuguda/ ICICI Bank (Code-ICIC0003679) payable at Telenpali in favour of Odisha Power Generation Corporation Limited.	Submitted/Not submitted Details to be mention	
7	Price Basis	FOR Destination Ib Thermal Power Station. Parties offering FOR Ex.Works please give the place of works.	
8	Packing & Forwarding charges	..... % or Rs..... in Lumpsum Inclusive/ Exclusive.	
9	GST in %	..... % Inclusive/ Extra/Not applicable.	
10	Transportation Cost	Rs.---- per No./Lump sum. As extra/Inclusive.	
11	Transit Insurance	..... % extra/inclusive	
12	Delivery Schedule as mentioned in the tender document	Six weeks Accepted/Not Accepted.	
13	Validity of offer	<b>180</b> days from the due date of opening date of the	



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		Part-1 bid.( Techno Commercial). Accepted/Not accepted.	
14	Liquidated damage clause is applicable if delivery is delayed beyond due date of delivery @ 0.5% per week/part of week subject to 5% of PO value.	Accepted/ not accepted. Non acceptance shall lead to loading of your offer by 5%.	
15	Submission of security deposit of 5% of PO Basic value.	Accepted/Not accepted	
16	The bidder has to accept our payment terms i.e 90% payment shall be made within 30 days from the date of final acceptance of material & 10% shall be made within 90 days on submission of 10% of PO value as performance bank guarantee valid for a period of 18 months from the receipt of materials or 12 months from the date of use. Extra 03 months grace period shall be provided by them.	Accepted/ Not accepted.( in case non acceptance loading shall be done)	
17	Acceptance of part order quantity	Yes/No	
18	Packing material as per OPGCL term to use non asbestos and environmentally friendly material.	Yes/ No	
19	Payment to be made through RTGS mode	Accepted/ Not accepted.	
20	All Bank charges to vendor account	Accepted/ Not accepted.	
21	Tender Notice NIT General Terms & Conditions	Accepted/ Not accepted.	
22	Acceptance to guarantee clause	Accepted/not accepted.	
23	Price escalation clause and formula	Submitted/ Not submitted	
24	List of Deviation statement from tender norms.	Submitted/ Not submitted.	

Authorised Signatory:

Name of the firm:

Designation:

Company Seal:

Place & Date.



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**Part-II (Price Bid)**

Part-II is the Price Bid only, which should contain the price & details of break-up of the trade discount, Packing, forwarding, GST, freight & insurance. Supervision and Installation Charges, Third party inspection charges etc.

**PROFORMA FOR SUMMARY QUOTATION for Price Bid (Part-II)**

BIDDERS REF.:

DATE:

Sr No	Description & Standards	Specification	UOM	QTY	Make	HSN Code (8 Digit)	Unit Rate (Rs.)	Amount (Rs.)
1	HT Power Cable IS 7098-Part-II	1X3CX240 sqmm, HT XLPE AL, 6.6KV(E) grade, Armoured, Stranded Compact circular Aluminium Conductor Conductor Screened, with extruded semi Conducting Compound XLPE Insulated, Insulation Screened with extruded semi - conducting in Combination with Copper tape (0.3 KA for one sec), Cores Laid up, inner sheath of PVC Tape, Galvanised Steel flat strip Armoured, and Overall PVC Sheathed Cable Confirming to IS: 7098/II/85 With Latest Amendments	Meter	200	Recommended Make : HAVELLS / POLYCAB/APAR			
2	LT Cable IS 7098-1	12 core, 2.5sqmm, Cable with copper conductor, XLPE insulated, cores laid, extruded inner sheath, GI Round wire armoured and overall extruded PVC outer sheath, of 1.1KV grade, confirm to IS 7098 part 1/1988 with ISI	Meter	620	Recommended Make : HAVELLS / POLYCAB/APAR			



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3	7 core, 2.5sqmm, Cable with copper conductor, XLPE insulated, cores laid, extruded inner sheath, GI Round wire armoured and overall extruded PVC outer sheath, of 1.1KV grade, confirm to IS 7098 part 1/1988 with ISI	Meter	420	Recommended Make : HAVELLS / POLYCAB/APAR			
4	16 core, 2.5sqmm, Cable with copper conductor, XLPE insulated, cores laid, extruded inner sheath, GI Round wire armoured and overall extruded PVC outer sheath, of 1.1KV grade, confirm to IS 7098 part 1/1988 with ISI	Meter	640	Recommended Make : HAVELLS / POLYCAB/APAR			
5	5 core, 2.5sqmm, Cable with copper conductor, XLPE insulated, cores laid, extruded inner sheath, GI Round wire armoured and overall extruded PVC outer sheath, of 1.1KV grade, confirm to IS 7098 part 1/1988 with ISI	Meter	840	Recommended Make : HAVELLS / POLYCAB/APAR			
6	4 core, 35 sqmm, Cable with copper conductor, XLPE insulated, cores laid, extruded inner sheath, GI Round wire armoured and overall extruded PVC outer sheath, of 1.1KV grade, confirm to IS 7098 part 1/1988 with ISI	Meter	200	Recommended Make : HAVELLS / POLYCAB/APAR			



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7	End termination Kit IEC-60502-4 / IS-13573.	Indoor Kit - 6.6 KV/11 KV(E) - 3 Core X 240 SQ.MM , Heat shrinkable, end termination kit, to suit 11 KV (E) HT XLPE Aluminium armd. Cable Complete set with all accessories including Aluminium Lugs	Set	1	Recommended Make : RAYCHEM/3M/CABSEAL		
8	Energy Meter IS 13779	POWER SUPPLY: Rated input: 85-265 V AC, 50/60/400 Hz, 88-290 V DC; Burden 9 VA, Isolation: 1500V DC Input to ground: 2500V AC; Operating range 690 V AC line-to-line, 400 V AC, line-to-neutral, Direct input and input via PT : up to 790 V AC line-to-line, up to 460 V AC line-to-neutral, Operating range Continuous 2A RMS(1A Secondary), Communication Ports COM1 : RS-485 optically isolated port Isolation 3000 V AC 1 minute, Baud rate up to 115.2 kbps, Supported protocols : Modbus RTU, DNP3, 3 pins, 0.2S Class Accuracy	NO	1	Recommended Make : Satec/L&T/SC HNIEDER		
9	Level Switch IS 2148:2004	Levcon vertical Displacer operated Level Switch, MLS Series, Model : MLS 3148-4622S, 230 VOLT AC/DC, 5 Amp	NO	1	OEM, To suit spare interchangeability (One to One Solution)		



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10	100 mm Ladder Type Cable Tray IS 4759 : 1996	100mm Ladder Type Cable Tray, GI, Perforated	Meter	100	Reputed Make			
11	50mm Ladder Type Cable Tray IS 4759 : 1996	50mm Ladder Type Cable Tray, GI, Perforated	Meter	100	Reputed Make			
12	MCB IEC/EN 60898	6 amp, double pole, 220 V DC, 10 KA	NO	2	Recommended Make :SIEMENS/ABB /LEGRAND			
13		4 amp, double pole, 220 V DC, 10 KA	NO	2				
14		2 amp, double pole, 220 V DC, 10 KA	NO	1				
15		16 amp, double pole, 220 V DC, 10 KA	NO	1				
16		6 amp, double pole, 415 V AC, 10 KA	NO	2				
17		4 amp, double pole, 415 V AC, 10 KA	NO	1				
18		2 amp, double pole, 415 V AC, 10 KA	NO	1				
19	CONTACTOR IEC/EN 60947	Contact for contact multiplication, 4 NO+4 NC, 220 V DC	NO	4	Recommended Make :SIEMENS/ABB /TC			
22	HIGH SPEED TRIPPING RELAY, 86 IS 3231:1981	220 VOLT, Model No - VAJHM13BF3D,	NO	1	Alstom Make (OEM) To suit spare interchangeability (One to One Solution)			



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23	ANTIPUMPING RELAY, 94 IS 3231:1981	220 V DC, Model No - VAA11YF8402F(M)	NO	1	Alstom Make(OEM) To suit spare interchangeability (One to One Solution)			
24	BREAKER CONTACT MULTIPLICATION RELAY, 52X IS 3231:1981 IS 3231:1981	220 V DC, Model No - VAJC11BF8305A(M)	NO	1	Alstom Make(OEM) To suit spare interchangeability (One to One Solution)			
25	TRIP CIRCUIT SUPERVISION RELAY IS 3231:1981	220 V DC, Model No - VAX31ZG8075B(M), Type VAX MK.II	NO	1	Alstom Make(OEM) To suit spare interchangeability (One to One Solution)			
26	Instrument Panel	PI Refer Specification Details Section	No	1	To be Customised as per Specification Details			
27	Numerical Relay	PI Refer Specification Details Section	No	1	AGILE MICOM P241			





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28	Push Button Station	OPEN CLOSE STOP Type (PI Refer Specification Details Section)	No	1	To be Customised as per Specification Details			
29	Push Button Station	START STOP Type (PI Refer Specification Details Section)	No	1	To be Customised as per Specification Details			

### Lighting Materials

1	Lighting Fixture IS 16101-16108 : 2012	High bay LED light (mounting height > 5 M) including mounting fittings, drivers & accessories, 120 watt, 230 volt AC.	NO	4	PHILIPS/HAVELLS/SYSKA			
2	Lighting Fixture IS 16101-16108 : 2012	LED Flood light Luminaire including mounting fittings, drivers & accessories, 150 watt, 230 volt AC, IP 65, wall Mounting.	NO	4	PHILIPS/HAVELLS/SYSKA			
3	LT Cable IS 7098-1	1 CORE X 2.5 SQ.MM, Cable with Multi strand Bright annealed Bare Copper Conductor, FRLS PVC Insulated and PVC Round sheathed, Flexible Cable Confirm to IS 694 – ISI	Meter	600	Recommended Make: ORBIT/HAVELLS / POLYCAB			



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4	LT Cable IS 7098-1	4 core, 16 sqmm, Cable with copper conductor, XLPE insulated, cores laid, extruded inner sheath, GI Round wire armoured and overall extruded PVC outer sheath, of 1.1KV grade, confirm to IS 7098 part 1/1988 with ISI	Meter	50	Recommended Make : HAVELLS / POLYCAB/APAR			
5	GI Conduit IS:9537 (Part II)/1981	25 mm dia GI Conduit, ISI mark	Meter	200	Recommended Make : BEC/AKG/MAXO			
6	Industrial Plug & Socket IEC 61 439-3	3 phase, 415 volt, 32 amp, 5 Pin, Surface Mounting Switched Socket Interlocked Water Tight IP-67	NO	1	Recommended Make : HENSEL/GEWISS/LEGRAND			
7	Industrial Plug & Socket IEC 61 439-3	1 phase, 230 volt, 32 amp, 3 Pin, Surface Mounting Switched Socket Interlocked Water Tight IP-67	NO	1	Recommended Make : HENSEL/GEWISS/LEGRAND			
<b>EARTHING WORK</b>								
1	Earthing flat IS 3043 - 1987	75X12 MM GI Flat, hot dip galvanized	Meter	200	Reputed Make			
2	Earthing flat IS 3043 - 1987	40X6 MM GI Flat, Hot dip galvanized	Meter	200	Reputed Make			



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3	40 mm MS round pipe IS 3043 - 1987	40 mm MS round pipe for earthing as per IS : 3043 - 1987	Meter	200	Reputed Make			
4	Earthing Electrode IS 3043 - 1987	40 mm nominal Bore & 3.2 mm (Medium Gauge- No minus Tolerance allowed) wall thickness Hot Dip G.I. Pipe (as per IS :- 1239,Part-1, 1990 & REC construction Standard –J-2) , ISI marked of reputed Make & 3 mtrs length tapered finished smooth at one end for a length of 75 mm & Clamp at the other end. Staggered drills hole of 12 mm Dia of interval of 150mm shall be made before galvanization	NO	4	Reputed Make			

		Pricing Calculation (Unit Rate= Basic) E.g. on (specify %age on components) · Specify Inclusive/Nil if included in the Basic. · Discount (%age) on Basic · P&F (%age) on Basic · GST (%age) on Basic + P&F so on.	
	Tax/Delivery Charge Components		GST applicable (Yes/No)
a	Discount		
b	Packing & Forwarding charges:		
c	Estimated freight (Specify mode of transport):		
d	Transit Insurance (specify rate):		



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e	GST Rate along with the HSN code & HSN description for each item:		
f	Any other charges: (Add rows to specify components; components should be in %age of charge or fixed amount)		

(i) Deviation in tech. Specification- YES OR NO/ if yes details of the same.

(ii) Deviation in commercial Terms & conditions- YES OR NO /if yes details with clause No.

**NOTE:**

- All the prices shall be quoted in INR only.
- In case any component is not specified, then it shall be assumed that the price is inclusive of the tax/delivery charge components
- GST Rate should not be quoted as inclusive.
- Bidder has to use the above Price Bid Format failing which Bid may be rejected
- Test Certificate for all materials mentioned above shall be provided by vendor. For Energy Meter ,Vendor shall provide Calibration test certificate too.

Authorised Signatory:

Name of the firm:

Designation:

Company Seal:

Place & Date



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The above bids should be sealed in two covers super scribing as **Technical & Un-Priced Commercial and Price Bid** as the case may be and enclosed in **other** envelope super scribing **NIT. No NIT No.2018-19/10(P), Dt.17.04.18 for “Supply of Electrical Items to IB thermal Power Station” due on 17.05.18**. Your offer should reach to this office on or before **17.05.18 up to 15.00 hrs**. Both the bids shall be opened on the same day at **15.30 hrs**. in presence of either the bidder or their authorized representative.

The EMD of unsuccessful bidders shall be returned within 45 days of opening of the bid. Both the bids should be send in single envelop.

Offer received late due to postal or courier delay shall not be entertained. The bidder at their interest should ensure delivery of the bid well in advance. M/s OPGCL reserves the right to ask more credential/clarification during evaluation of Techno-commercial bid and reserves to extend the date of opening of techno commercial bid & price bid. M/s OPGCL reserves the right to accept, reject all or any bid & can split among the bidders without assigning any reason thereof.

AGM- SCM



### Rules and Regulations of the e-Reverse Auction

<b>Buyer's Name/Owner</b>	Ib Thermal Power Station (A Unit of Odisha Power Generation Corporation Limited)
<b>Auction To Be Conducted By</b>	MSTC Limited
<b>Name of the work</b>	Supply of Electrical Items to IB thermal Power Station.
<b>Reference</b>	<a href="#">2018-19/10(P), Dt.17.04.18</a>
<b>Date &amp; Time Of Auction</b>	Auction Date: [To be intimated later]  Online e-Reverse Auction Time : [To be intimated later]  URL: <a href="http://www.mstcecommerce.com/eprochome/opgc">www.mstcecommerce.com/eprochome/opgc</a>
<b>Special Instructions</b>	Bidding in the last minutes and seconds should be avoided in the bidders own interest. Neither the Service Provider nor OPGC will be responsible for any lapses /failure on the part of the vendor, in such cases.
<b>Auto Extension of Closing Time</b>	5 minutes NB: If any bidder quotes 5 minutes before closing time, the closing time will be extended automatically for another 05 minutes and so on till 05 minutes idle time between the bids.
<b>Decremental Value</b>	Minimum decrement is <b>Rs. 10,000/-</b> and in multiples of <b>Rs. 10,000/-</b>
<b>Start Price</b>	The start price shall be confirmed before start of the e-RA and the same should be the estimated price as decided by OPGC.

1. For the proposed e-Reverse Auction, techno-commercially qualified bidders only shall be eligible to participate.
2. Bidders must be a registered user to bid for Buyer ("OPGC") in MSTC portal [www.mstcecommerce.com/eprochome/opgc](http://www.mstcecommerce.com/eprochome/opgc). Bidders need to have their Login ID and Password prior to e-Reverse Auction.
3. Bidders have to participate as per the e-Reverse Auction time and date communicated to them & based upon e-Reverse Auction invitation for particular Auction.
4. Quotation once submitted through e-Reverse Auction cannot be withdrawn /deleted. Otherwise, the EMD submitted by the bidder shall stand forfeited.
5. Buyer reserves the right to ban the bidder from participating in e-Reverse Auction without any explanation/reason at any stage of e-Reverse Auction.
6. Buyer reserves the rights to extend / cancel the e-Reverse Auction.
7. E-Reverse Auction shall be conducted in Indian Rupees only.
8. All prices submitted by Bidder in e-Reverse Auction shall be as per Tender's Terms & Conditions.
9. Validity of bids: As mentioned in Tender Document.
10. Written Confirmation shall be taken in advance regarding participation in the e-Reverse Auction to buyer along with the Authorized person name and details.
11. Buyer reserves the right to award the Purchase Order / Service Order as per buyer's discretion irrespective of Live Auction Rank.
12. Buyer reserves the right to repeat the e-Reverse Auction of same package.



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13. After completion of e-Reverse Auction, OPGC shall open the manual price bids submitted during tendering. The lowest evaluated bid of all the bids submitted in manual and e-Reverse Auction process shall be considered for award of the Purchase order / Work order.
14. The bidders shall quote from their own offices/ place of their choice. Internet connectivity shall have to be ensured by bidders themselves.
15. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, OPGC at its own discretion shall debar the bidder from the e-Reverse Auction/Tender and future participation also.
16. OPGC reserves the right to cancel the e-Reverse Auction process/ tender at any time, before ordering, without assigning any reason and may go for manual opening of price bids as per standard practice.
17. OPGC shall not be liable for any interruption or delay in accessing the MSTC portal irrespective of any cause. In such cases, the decision of OPGC shall be binding on the bidders.
18. Other terms and conditions shall be as per NIT, bidder's techno-commercial Bid and other latest correspondences/ final confirmations, (if any) against the NIT.
19. If any item is not quoted by a bidder, the maximum price quoted by the other participated bidders for that item shall be considered for arriving evaluated price of that bidder.
20. The total L1 Price obtained through e-Reverse Auction shall be proportionately distributed among each line item inline with the price quoted and evaluated in the hard copy price bid.
21. The price quoted in e-Reverse Auction is the total price for all the items and quantity as per Price Schedule of NIT irrespective of any omission by the bidder in the hard copy price bid.
22. In case, the L1 Bidder in e-Reverse Auction and manual Tender happens to be the same bidder, then minimum price among both shall be considered as L1. If the bidder disagrees to accept the said condition, then his EMD shall be forfeited. Apart from this the bidder will be debarred from participating in future e-Reverse Auction/Tender of OPGC.
23. Each Bidder shall get the final loading factor (%age of the quoted price) from OPGC before e-Reverse Auction for the deviations, if any, taken by them in the techno-commercial bid.
24. The Price quoted in the e-Reverse Auction shall be inclusive of all applicable taxes, duties and levies, deviations considering the loading factor (got from OPGC/Tender Condition as mentioned in above clause) on his quoted price. However, the service tax shall be paid extra as applicable and not included in the loading factor as well as total price.

### **UNDERTAKING**

I hereby undertake that I agree to the “**Rules and Regulations of the e-Reverse Auction**” mentioned herein.

**Signature:**

**Name:**

**Date:**

**Company Name:**

**Seal:**



PROFORMA OF BANK GUARANTEE FOR CONTRACT PERFORMANCE

(On Non-Judicial Stamp paper of Appropriate Value)

1.0 In consideration of OPGC Ltd. Having its registered office at Zone-A, 7<sup>th</sup> Floor, Fortune Tower, Chandrasekaharpur, Bhubaneswar-751023, Odisha herein-in after called the "Owner" which expression shall unless repugnant to the subject or context include its successor & assignees) having awarded to M/s ..... with its Registered/Head office at..... here-in after referred to as the "Contractor" which expression shall unless repugnant to the subject or context include its successor, executors & assignees) a contract by issue of Owner's Letter of Intent No. .... dt. .... and the same having been unequivocally accepted by the contractor resulting in a contract bearing No. ....dated ..... valued at Rs.....for ..... and the contractor having agreed to provide a contract performance

(Scope of work)

Guarantee for the faithful performance of the entire contract equivalent Rs. .... 10% (ten percent) of the said value of the contract to the owner for satisfactory performance of the equipment/materials supplied (as detailed in the said agreement) during the Guarantee period (as detailed in the said agreement) and for the due fulfillment by the contractor(s) of the terms and conditions contained in the said agreement.

2.0 We .....(here-in after referred to as " the bank"

(Name & address of Bank)

having its Head Office at .....do hereby guarantee and undertake to pay the owner, on demand any and all amount payable by the contractor not exceeding Rs. ....(Rupees

.....) only as aforesaid at any time upto

(days/month/year)

3.0 We ..... do hereby

(Name of Bank)

undertake to pay the amounts due to and payable under this guarantee without any demur, reservation, contest, recourse or protest and/or without any reference to the contractor. Any such demand made by the owner on the Bank shall be conclusive and binding notwithstanding any difference between the owner and contractor or any dispute pending before any court, tribunal or any other authority. The bank undertakes not to revoke this guarantee during the currency without previous consent of the Owner and further agrees that the guarantee herein contained shall continue to be enforceable till the owner discharges this guarantee.

The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s)/suppliers shall have no claim against us for making such payment.

4.0 We ..... further agree that the

(Name of Bank)

guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all





dues of OPGC have been fully paid and its claims satisfied or discharged until OPGC certifies that the terms & conditions of the said Agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.

5.0 We ..... further agree with the  
(Name of Bank)

OPGC that OPGC have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the OPGC against the said contractor(s) and to for bear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, postponement or extension being granted to the said contractor(s) or for any forbearance, act or omission on the part of the OPGC or any indulgence by the OPGC to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

6.0 This guarantee will not be discharged due to the change in the name, style and constitution of the Bank or the contractor(s)/suppliers(s).

7.0 Notwithstanding anything contained herein a) Our liability under this bank guarantee shall not exceed Rs..... [Rupees .....] b) This bank guarantee shall be valid upto ..... c) We are liable to pay the guaranteed amount or any part thereof under this B.G only and only if the beneficiary/Govt serves upon the bank a written claim or demand on or before .....

8.0 We .....lastly underake not to revoke this  
(Name of Bank)  
guarantee during its currency except with the previous consent of the OPGC in writing.  
Dated the .....day of .....200...

9.0 Notwithstanding anything contained hereinabove our liability under this guarantee is restricted to Rs.....(Rupees .....only) and this guarantee is valid upto ..... We shall be released and discharged from all liabilities hereunder unless a written claim for payment under this guarantee is lodged on us within three months from the date of expiry of the guarantee i.e on or before ..... Irrespective of whether or not the original guarantee is returned to us.

The confirmation of this Bank Guarantee is available within our controlling office. The beneficiary in his own interest should obtain such confirmation from the controlling office at the following address

WITNESS with address

For and on behalf of (the Bank)

Signature .....

1. ....

Name .....

Designation .....

2. ....

Authorisation No. ....

Seal of the Bank .....



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PROFORMA FOR BANK GUARANTEE IN LIEU OF DD FOR EARNEST MONEY  
(On Non Judicial stamp paper of appropriate value)

Ref:

Date:

Bank Guarantee No.

To

Odisha Power Generation Corporation Ltd.,  
Ib Thermal Power Station,  
At/Po- Banharpali,  
Dist-Jharsuguda-768234.

Dear Sir,

In consideration of Odisha Power Generation Corporation having its Registered office at 7<sup>th</sup> Floor, Zone – A, Fortune Towers, Chandrasekharapur, Bhubaneswar-751 023 (hereinafter called the "Owner" which expression shall unless repugnant to the subject or context include its successors and assigns) having issued Tender Specification Against NIT No \_\_\_\_\_ dt. \_\_\_\_\_ to M/s \_\_\_\_\_ having its Registered / Head office at \_\_\_\_\_ (hereinafter called the Bidder) who wishes to participate in the said tender for and you, as a special favour, have agreed to accept an irrevocable and unconditional Bank Bid Guarantee for an amount of Rs. \_\_\_\_\_ valid up to \_\_\_\_\_. On behalf of the Bidder, as a condition for participation in the said tender.

We, the \_\_\_\_\_ Bank incorporated under \_\_\_\_\_ law and having one of our branches at \_\_\_\_\_ and having our Registered office/Head office at \_\_\_\_\_ do here by unconditionally and irrevocably guarantee and under take to pay to the "Owner" immediately on demand without any demur reservation, protest, contest and recourse to the extent of the said sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only). Any such claim/demand made by the said "Owner" on us shall be conclusive and binding on us irrespective of any dispute or differences raised by the Bidder.

This guarantee shall be irrevocable and shall remain valid up to \_\_\_\_\_. If any further extension of this guarantee is required, the same shall be extended to such required period on receiving instructions from M/s \_\_\_\_\_ on whose behalf this guarantee is issued.

We, the said Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the owner in writing and agree that any change in the constitution of the said tenderer or the said Bank shall not discharge our liability. In witness where of the Bank, through its authorised officer, has set its hand and stamp on this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_

Witness:

(Signature)

(Signature)

Name

Name

Official Address

(Designation with Bank stamp)

Attorney as per Power of Attorney

No. \_\_\_\_\_

Date \_\_\_\_\_



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Bank MANDATE FORM for e-payment  
(To be submitted in Duplicate)

To.  
Odisha Power Generation Corporation Ltd.,  
Ib thermal power station,  
Banharpali,  
Odisha

Dear Sir,  
Sub:- Authorization for release of payment due from OPGC Ltd through e-mode facilities of RTGS / NEFT / Internet Banking.

We are the regular contractor/Supplier to your organization and are executing work /supplying materials under different Contracts/ Purchase Orders to OPGC Ltd. We request you to release the payment of the outstanding amount electronically i.e, through RTGS, NEFT, Fund Transfer or any other suitable way. The details of our bank account are as follows: -

(Please fill in the information in CAPITAL LETTERS. Please TICK wherever it is applicable)

1. Name of the Party: .....

2. Address of the Party .....  
.....

City ..... Pin Code .....

E-mail ID .....

Permanent Account Number .....

Telephone/Cell No.....

3. Particulars of Bank :

Bank Name		Branch Name	
Branch Place		Branch City	
Pin code		Branch Code	
MICR No			
Account Type	Savings:	Current:	Cash Credit:
Account No. ( as appearing in the Cheque Book) :			
(9 Digits code number appearing on the MICR Bank of the cheque supplied by the Bank. Please attach Xerox copy of a cheque of your bank for ensuring accuracy of the bank name, branch name & code and Account number)			
IFSC Code			

4. Date from which the mandate should be effective :

I hereby declare that the particulars given above are correct and complete. If any transaction is delayed or not effected for reasons of incomplete or incorrect information, I shall not hold Odisha Power Generation Corporation Ltd responsible. I also undertake to advise any change in the particulars of my account to facilitate up dation of records for purpose of credit of amount through internet / RTGS / NEFT.

Place:

Date: Signature of the Party / Authorized Signatory

.....

Certified that particulars furnished above are correct as per our records.

Bank's Stamp:

Date: (Signature of the Authorized Official from the Banks)



Odisha Power Generation Corporation Limited IB Thermal Power Station

AT/P.O: BANHARPALI, DIST. JHARSUGUDA, PIN: 768234 (ODISHA), INDIA

GRAM: IB THERMAL, Telephone: 06645-289221, Tele Fax: 06645- 289355

E-mail: bkmishra@opgc.co.in; satya.tarai@opgc.co.in

### Declaration

To  
M/s OPGCL.

Dear Sirs,

Having examined the above Specification together with the accompanying schedules etc., we hereby offer to manufacture and supply the equipments / materials covered in this Specification at the rates entered in the attached schedule of prices.

We hereby guarantee the particulars entered in the schedules attached to the Specification.

In accordance with security deposit clause, of the Specification we agree to furnish security to the extent of 5% of the total value of the contract.

In accordance with performance guarantee clause Section, we agree to furnish performance guarantee to the extent of 10% of the total value of the contract.

Company is not a potentially Sick Industrial Company or a Sick Industrial Company in terms of Section – 23 or Section – 15 of the Sick Industrial Companies (Special Provisions) Act 1985.

Yours faithfully,

Place :

Date :

Company Seal: Company :

Signature :

Designation: