



Odisha Power Generation Corporation Limited IB Thermal Power Station

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

Tel. 06645-289354 / 289355 / 289356, Fax:06645- 289355

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SAFE & CLEAN POWER IS OUR COMMITMENT

AN ISO-14001; OHSAS-18001 ORGANIZATION

Tender documents against
NIT No. ITPS/ (Purchase)/2017-18 /16 (P) dt.01/11/2017
For **“Supply and installation of event logger system”** to IB Thermal Power Station.

Date for Issue of bid document	15/11/2017 to 30/11/2017
Last Date of receipt of Bid	10/12/2017 by 15:00 hours in the office under signed
Date of Techno commercial bid opening	10/12/2017 by at 15:30 hours
Date of Price bid opening	To be intimated later on
Cost of Tender Paper	NIL. It may be downloaded from our website.
Earnest Money Deposit	Rs 20,000/- (Twenty thousand only).

Note: Before Submission of bid please ensure proper documentation is made as mentioned in the bid.

Dy. General Manager, Purchase

Issued to M/s

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Tender Specification for Supply of materials to ITPS.IB Thermal Power Station, At/PO: Banharpali, Dist. Jharsuguda (Odisha), PIN: 768234 is a unit of Orissa Power Generation Corporation Limited a Govt. of Odisha undertaking having 49 % of share by AES America and engaged in generation of 2x210 MW Thermal Electric Power. The Plant site is about 17 Kmtr from Belpahar Railway Station and 40Kms.from Jharsuguda Rly. Station on S.E. Rly. on the Mumbai- Howrah main line.

Two bid system sealed bids are invited from manufacturer / authorized stockiest /authorized dealer / authorized distributor only in their own letter heads for supply of substation event logger system as per **Annexure -1** to IB-Thermal Power Station as per specification mentioned. The tenderer must have in line experience, financial capability and have supplied such items to other customer.

The tenders must have relevant credentials in support of their claim of being OEM / authorized stockiest /authorized dealer / authorized distributor and copy of purchase order in support of said items to other concern of repute along with their offer. The bidders shall have to submit their offer in two parts

Part-I

Techno Commercial bid shall comprise of the following facts with required Documents.

Pre Qualifying Criteria Requirement for substation event logger system

1. Party shall supply as per our technical specification with guaranteed technical particulars.
2. The bidder should be the original manufacturer/authorized stockiest /authorized dealer / authorized distributor of protection relays and event logger system and **must have servicing facilities of the offered product in India.**
3. Offer may not be considered without submission of valid authorization certificate.
4. Bidders should have supplied the same offered event logger system to major National utilities like Power Grid Corporation, NTPC or reputed State utilities / IPPs and they must have been in service for more than five years at 22KV or higher system voltage.
5. Bidder should submit performance certificate / Site MOM / Other documentary proof for supporting the same.
6. Bidder must mention the guarantee / warrantee period in their offer.
7. The vendor shall depute their technical person for their product application at free of cost in case of any technical problem during guarantee / warranty period.
8. Bidder must submit the order copies of other customer in support of credentials and price justification.
9. Photo copy OF Valid TIN, PAN No. GST No. Offer may not be considered if the vendor fails to submit these documents.
10. EMD of Rs.20, 000/- in shape of DD payable on State Bank of India (Code No. 9510)/Central Bank of India, ITPS Banharpali (Code No.0283899)/ Andhra Bank, Adapada (Code-0662), Ib Thermal Power Station, Banharpali, Jharsuguda in favour of **"Orissa Power Generation Corporation Limited"**.
11. Requisite EMD can be submit directly in our company name – Odisha Power Generation Corporation Limited, Banharpali. Account number of State Bank of India – 10765789090(Code No. 9510). Account number of Central Bank of India, ITPS Banharpali – 2062780721. Account number of Andhra Bank, Adapada – 066211011000005 (Code-0662).



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PROFORMA FOR SUMMARY QUOTATION for Technical & un-priced Commercial bid) Part-1

Tender No.: ITPS (PURCHASE)/2017-18/16(P)

Sl. No.	Techno Commercial Points	OPGCL Needs	To be filled by the bidder
1	Technical Specification as per Tender Enquiry	Accepted/ Not accepted. If not accepted, detailed Deviation and proposal.	
2	Party should have supplied same substation event logger system of same specification to other utilities	Party should have supplied same spares to other utilities	
3	Three years on site warrantee	Confirmed / Not Confirmed	
4	Submission of order copies of other customer in support of your Credentials	Submitted / Not submitted as per bid requirement.	
5	Bidder must be manufacturer / authorized stockiest /authorized dealer / authorized distributor.	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, ITPS Banharpali (Code-0283899)/ Andhra Bank, Adapada (Code-0662), Ib Thermal Power Station, Banharpali, Jharsuguda in favour of Orissa Power Generation Corporation Limited / RTGS/ NEFT.	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 % Inclusive/ Extra/Not applicable.	
10	Transportation Cost	Rs.---- per No./Lump Sum. As extra/Inclusive	
11	Transit Insurance % extra/inclusive	
12	Orissa Entry Tax% inclusive/Extra	
13	Delivery Schedule	Five weeks Accepted/ Not Accepted	
14	Validity of offer	120 days from the date of opening of the Part-1 bid.(Techno Commercial). Accepted/ Not accepted.	
15	Liquidated damage clause is applicable if delivery is delayed beyond quoted delivery date @0.5%	Accepted/ not accepted. Non acceptance shall	



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	per week/part of week subject to 5%of PO value.	lead to loading of your Offer by 5%.	
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 Performance Bank Guarantee of amount equivalent to 10% of PO basic value valid for a period up to completion of guaranty / warrantee period. Extra three months shall be provided for communication if anything happens at last moment.	Accepted/ Not accepted.(in case non acceptance loading shall be done)	
17	Acceptance of part order quantity	Yes/ No	
18	Payment to be made through RTGS mode	Accepted/ Not accepted.	
19	All Bank charges to vendor account	Accepted/ Not accepted.	
20	Tender Notice NIT General Terms & Conditions	Accepted/ Not accepted.	
21	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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NIT GENERAL TERMS & CONDITIONS

1. Sealed Tender is invited for the supply of articles as per details overleaf addressed to the "Dy. General Manager – Purchase Materials, OPGCL- IB Thermal Power Station in variably giving on the cover Tender Notice No., Name of the Articles, the date of opening and EMD details.
2. 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.
3. 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. If in any case the bid opening date is declared a public holiday or falls on PH the bid shall be opened on the next working day.
4. The tender shall remain open for acceptance for a period of 120 DAYS FROM THE DATE OF OPENING OF THE TECHNICAL BID UNLESS OTHERWISE SPECIFIED. Tenders with a Validity of Less than 120 days are liable to be rejected/ or have lesser preference than those adhered the tender conditions.
5. The net price offered shall be on the basis of delivery F.O.R, Ib Thermal Power Station site. PAN, GST, packing & forwarding, freight, insurance and third party inspection charges etc. if any shall be mentioned clearly. if any. Packing should be made in transport worth packing to avoid any transit damage and should be clean and free from foreign materials. Special care for flammable and breakable items to be taken.
6. Wherever tenderers have entered into the Rate Contract with DGSD/EPM they will indicate the same in their tender and submit a copy of rate contract as a proof of claim.
7. Special attention of the tender is invited about the receipt of the tender in time. Tenders received after the stipulated date and time due to any reason whatsoever shall not be considered. Bidders are requested to see that the tenders are delivered in the office before the prescribed date and time. The telegraphic quotation giving all the relevant details of stores offered also be received subject to being posted at least one day before the date of opening of the tender and fully confirming in due respects to the offer by fax or mail.
8. 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.
9. 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.
10. The time given for delivery or dispatch shall commence from receipt by the contractor of the purchase order. The bidder should be able to complete delivery as per the delivery



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schedule of purchase order. LD shall be applicable @0.5% per week or part of a week subject to maximum of 5% of the undelivered materials for the delayed period .Further the failure to deliver or dispatch the stores or any consignment within the period prescribed for delivery or dispatch the purchased shall be entitled to withhold payment until the whole of the stores have been supplied .Also it is at the option of the Purchaser to purchase the materials from other at the risk of the contractor the store of any consignment thereof which the contractor has failed to deliver or dispatch and the differential amount shall be recovered from the vendor. The purchaser has also at the option to cancel the contract if delay in delivery occurs 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. In case where delivery schedule is not adhered to and there is change in GST and impose of new GST after scheduled delivery period you shall bear the impact of those levies.

11. Printed Terms and Conditions on letter heads or Quotation form of tenderers shall not be applicable.
12. Tendering firms are advised to quote as per our serials number specified in tender notice.
13. 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.
14. 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.
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. As a commitment use of asbestos material, recycled plastic carry bags and containers are banned. Pre dispatch inspection if any may be carried out before dispatch at the vendor premises.
16. The material supplied shall be guaranteed for any manufacturing defect or bad workmanship for a period of 12 months from the date of use or 18 months from the date of supply whichever is less from the date receipt.
17. These terms and conditions shall form a part of the contract. The contract besides shall also be exclusively governed by our standard conditions of contract prescribed by OPGCL. No other terms and conditions whatsoever will be applicable in this contract.
18. All disputes or differences arises shall be subject to the exclusive jurisdiction of court within the limit of Jharsuguda.
19. 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.
20. Litigation: All expenses and cost in connection with litigation, if any, will be to vendor account.



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21. (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% WITHIN 300 km
- 300 Kms. to 500 Kms. 3%
- 500 Kms. To 1000 Kms. 4%
- Above 1000 Kms. 5%
- Insurance 0.086%

(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.) 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)
- GST on (Basic + P&F)
- Freight on (Basic)
- Insurance on (Basic + P&F + GST)
- Payment Terms Loading on (Basic + P&F + GST)

In case on variable prices, Variable GST etc. the following norms/systems will be taken into consideration.

(E) In case of price variation clause (without specific mention of quantum), 10% price escalation per annum may be proportionality loaded.

IMPORTANT NOTICES:

1. Please fill in the proforma for summary quotation as per specimen given above. Tenders not prepared in this proforma shall liable for rejection.
2. Tenders not specifying the exact rates of tax shall be loaded to the highest slab or may not be considered.



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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. 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.
5. Driver must carry valid driving license and vehicle pollution control card for transporting the materials to OPGCL.
6. Vendor/Representative/Vehicle driver must wear Safety Helmet, Shoes inside the Plant premises.
7. All person(s) connected with OPGCL shall have to adhere the safety rule regulations of the Company.



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Part-II

Part-II is the Price Bid only which should contain the price & details of breakup 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:

Sl. No	Description of the materials Equipment Service Item wise	Unit of Measurement	Qty. offered	Unit Rate	Price Basis	Packing & Forwarding charges	GST	Estimated freight /Specify mode of transport	Transit Insurance (specify rate)	Total Price F.O.R. Destination

1. BANK CHARGES (IF ANY)
2. INSPECTION Charges if any:
3. Super vision and installation charges:
4. (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.

Authorised Signatory:

Name of the firm:

Designation:

Company Seal:

Place & Date



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- Annexure-1 -

SN	Item Description	Qty.
1	Substation event logger system	01 no

TECHNICAL SPECIFICATION OF EVENT LOGGER

1. Sequence of event recorder is required to capture the critical alarms with 1 msec. precision in the chronological order they occur for quick determination of the root cause.
2. The equipment should have >300 digital inputs and >300 IEC61850 inputs. The equipment should time stamp the digital inputs to 1 msec. precision across the entire system.
3. Aux. power supply to the unit: 220Volt ($\pm 10\%$) DC. The Digital input should be rated for 220 Volt ($\pm 10\%$) DC
4. The equipment should have the capacity to store at least 200,000 events in memory for long terms data storage.
5. The unit should have indicator for every input for the local display of alarms.
6. The sequence of event recorder shall have different packaging options like 19" Rack Mounting and Surface Mounting as well.
7. Software having sorting and filtering functions based on date/time, event type, etc. will be preferred.
8. The equipment should have the provision of external time synchronizing options with IRIG-B, NTP, 1588 via GPS sources etc.
9. The equipment should support the multiple communication protocols like Modbus, DNP 3.0, IEC61850, ASCII, etc. without any external hardware.
10. The sequence of event recorder unit shall have in-built dual redundant AC/DC hot swappable power supply.
11. The sequence of event recorders should receive alarms directly from different IEDs using the IEC61850 protocol via Ethernet LAN. IEC61850 alarm inputs can be time stamped either from the IED or at the event logger itself, which is time synchronized with IRIG-B, NTP or IEEE1588 via GPS sources.
12. The equipment should also have IEC61850 IED Configuration tool/software to map the Event Logger to other IEDs.
13. The equipment can simultaneously receive standard digital inputs from field contacts along with GOOSE subscriptions & shall be re-transmitted via IEC61850.
14. The IEC61850 alarm inputs shall be logged into the same database used to record digital inputs in chronological order.
15. The sequence of event recorder shall have the conformance test carried out according to IEC61850-10 & the certificate issued by KEMA shall be preferable.
16. The Event Logger should have conformity with IEC/IS as applicable.
17. Supply of all the necessary software and communication cable, computer of reputed brand with latest configuration are on the scope of the bidder.



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18. The Bidder must have supplied such EL and should successfully in operation in any Government/ Semi Government Power Transmission Utilities (Performance certificate from two such utilities need to be enclosed).
19. Each EL should communicate with existing LAN [Ethernet FO/Rj45]. (Connectivity to existing LAN is under Bidder scope).
20. The panel size should be restricted to 2250 mm (Height), 750mm (Width) and 610 mm (Depth).
21. 750 mm space from top should made available with suitable blanking plate to accommodate GPS receivers along with other port multipliers.

Guaranteed Technical particulars of EVENT Logger:

Sl. No.	Description of Technical parameters	Rating/Range of Offered Event Logger or Remarks
1	Manufacturer or trader	
Environmental specification		
1	Operating Temperature	
2	Storage Temperature	
3	Humidity	
Technical Specification		
1	Aux. power supply to the unit	
2	Rated voltage for Digital Input	
3	Total No of digital Input for which events will be recorded with time stamping	
4	Total no of IEC61850 input for which events will be recorded with time stamping	
5	Total no. of events to be recorded	
6	Whether the Unit has Indication for local display of alarms	
7	Type of time synchronization (like IRIGB, SNTP via GPS source)	
8	Whether support multiple Communication protocol like Modbus, DNP 3.0, IEC61850 etc	
9	Whether the Unit has in-built dual redundant AC/DC swappable power supply	
10	Type of time synchronization (like IRIGB, SNTP via GPS source)	
11	Whether support multiple Communication protocol like Modbus, DNP 3.0, IEC61850 etc	



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12	Whether the Unit has IEC61850 IED configuration tool/software to map the unit to other IEDs	
13	Whether event logging are on the same database in chronological order for both digital input and IEC61850 input	
14	Availability of KEMA certificate regarding IEC61850 part	
15	Type test certificate details as per IEC/IS	
16	Whether necessary software and communication cable, computer of reputed brand with latest configuration will be supplied	
17	Whether the Bidder has supplied such EL and are successfully in operation in any Government/ Semi Government Power Generation/Transmission Utilities (Performance certificate from two such utilities need to be enclosed).	
18	Whether each EL will communicate with existing LAN[Ethernet FO/Rj45].(Connectivity to existing LAN is under Bidder scope)	
19	Dimension of Panel with blanking plate size	

The above two bids should be sealed separately super scribing as Technical Bid/Price bid as the case may be and enclosed in third sealed envelope super scribing "N.I.T No. ITPS/ (Purchase) /2017-2018/16(P) dt.01/11/2017 "For Supply of Substation Event Logger System" to ITPS due on Dt.10/12/2017. Your offer should reach this office on or before Dt.10/12/2017 up to 15:00 hours. Part-I (Technical Bid) shall be opened on same day at 15.30 hours in presence of either the bidder or their authorized representative. Parties who shall qualify in Technical bid shall be intimated to attend on a future date & venue to keep them present in the opening of Price Bid.

Tenders without EMD shall not be accepted. 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.

Dy. General Manager, Purchase



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

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

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 Orissa Power Generation Corporation Ltd responsible. I also undertake to advise any change in the particulars of my account to facilitate updation of records for purpose of credit of amount through internet / RTGS / NEFT.

Place:

Date:

Signature of the Party / Authorized Signatory

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

Bank's Stamp:

Date:

(Signature of the Authorized Official from the Banks)