



# Orissa 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 / 222254 .  
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**SAFE & CLEAN POWER IS OUR COMMITMENT**  
**AN ISO-14001; OHSAS-18001 ORGANIZATION**

Tender documents against  
NIT No. ITPS/ (Purchase)/2010-2011/ 12 (P) dt.14.03.2011  
for supply of Float Cum Boost Battery Charger to IB Thermal Power Station.

Date for Issue of Tender Paper	11/04/2011 to 27/04/2011 up to 17 hrs.
Last Date of receipt of Techno commercial Bid	28/04/2011 up to 13 hrs at undersigned office
Date of Tender Opening of Techno commercial Bid	28/04/2011 at 15 hrs
Opening of Price Bid	To be intimated later on
Cost of Tender Paper	Nil, May be downloaded from our website.
Earnest Money Deposit	Rs 50, 000/- (Rupees Fifty thousand only)

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

Manager, Purchase

Issued to M/s .....

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# Orissa Power Generation Corporation Limited IB Thermal Power Station

NIT No.- ITPS/ (Purchase) /2010-2011/ 12(P) dt.14.03.2011

Tender Specification for supply of Float cum boost battery charger to IB Thermal Power Station.

IB Thermal Power Station, At/PO: Banharpali, Dist. Jharsuguda (Odisha), PIN: 768234 is a unit of Orissa Power Generation Corporation Limited a Joint venture Company of Govt. of Odisha and AES Corporation USA 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/authorized dealer/authorized distributor/authorized agent only in their own letter heads for supply of Electro hydraulic high access platform to IB Thermal Power Station as per specification mentioned under. The bidder shall have to submit their sealed tender in two parts. The **Part-I is Technical & Un-priced Commercial bid** and **Part-II is the Price bid**.

## Part – I

**Techno commercial & un priced Commercial bid shall comprise of the following facts with required documents.**

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

### **01. SPECIFICATION:**

Specification of float cum boost charger and DC distribution board are as follows.

Sl. No.	Item Description	Qty
01.	<p style="text-align: center;"><b><u>TECHNICAL SPECIFICATION OF CHARGERS</u></b></p> <p><b>Type</b> : FLOAT CUM BOOST CHARGER <b>Scheme</b> : Full Wave, Full Controlled <b>Rating</b> : 24V/800A Float cum Boost Charger suitable for Union make Plante Battery of 12 Cells</p> <p><b>1. AC INPUT</b></p> <p>a. Voltage :415V AC <math>\pm</math> 10% b. Frequency :50Hz <math>\pm</math> 5% c. Phase, Wire :Three Phases, 3 Wire</p> <p><b>2. DC OUTPUT</b></p> <p>i. Charger Output</p> <p>a. Float Voltage :26.4V DC (12 x 2.2VPC) adjustable +2%-5% b. Boost Voltage:32.4V DC (12 x 2.7VPC) adjustable +2%-5% c. Regulation :Better than +/- 1% of set value at AC Input Voltage of 415 VAC Variation of 415V AC +/- 10%, 50Hz +/- 5% and Full Load Current</p> <p>d. Ripple :100 mV Peak to Peak with battery connected</p>	04 sets



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	<p>e. Current :800A</p> <p>ii. System output :Max. 34V DC + 1% at load terminals</p> <p>iii. Efficiency :Greater than 85% at Full load</p> <p><b>3. METERS</b> :Analog type meters of Size 96x96 with 90° deflection and 2.0% accuracy will be required in system for measuring the respective parameters:</p> <ul style="list-style-type: none"> <li>• AC voltmeter with selector switch to measure voltage across line to line</li> <li>• DC voltmeter with selector switch to measure voltage across FCBC output and battery terminals</li> <li>• DC ammeter to measure current at each charger output</li> <li>• DC Load voltage Voltmeter</li> </ul> <p><b>Single O/P Transducers of 4-20mA for monitoring Charger O/P Voltage and current in DCS system.</b></p> <p><b>4. INDICATIONS</b> :</p> <ol style="list-style-type: none"> <li>1) Clustered LED lamps are provided for the following conditions in FCBC             <ol style="list-style-type: none"> <li>a. Mains ON (R, Y, B)</li> <li>b. Float ON</li> <li>c. Boost ON</li> </ol> </li> <li>2) Alarm Annunciation (Facia Display Unit) windows and RS 485 port will be required for displaying in OWS of CCR for the following conditions with audio alarm for abnormalities:             <ol style="list-style-type: none"> <li>a. AC Supply Failure</li> <li>b. Charger Fail</li> <li>c. Charger Fuse Fail ( Rectifier Fuse Fail)</li> <li>d. Charger ON Battery Operation</li> <li>e. Low battery Voltage Low</li> <li>f. Low DC Bus Voltage</li> <li>g. DC Ground fault</li> <li>h. Charger Over Voltage Trip</li> <li>i. Charger ON Boost Mode</li> <li>j. Charger ON Float Mode</li> <li>k. Battery MCCB Trip</li> <li>l. Fan Fail Indication (<b>only for 800A Charger</b>)</li> </ol> </li> </ol> <p>Potential Free Contacts will be required for all the above conditions,</p>	
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	<p>which will be wired up to terminal block and also Group Alarm Potential Free Contacts as "<b>CHARGER TROUBLE</b>".</p>	
	<p><b>5. PROTECTIONS</b> : Protections are required in the system:</p> <ul style="list-style-type: none"> <li>a. AC Input Circuit Breaker</li> <li>b. Fast acting Semiconductor Fuses for the Rectifier Bridge</li> <li>c. DC Over Voltage Cutback</li> <li>d. DC Output Circuit Breaker</li> <li>e. Battery path Current Limiting</li> <li>f. Charger Current Limiting (Over Load)</li> <li>g. Redundant Blocking Diodes</li> </ul>	
	<p><b>6. CONTROLS &amp; SWITCHES</b> :</p> <ul style="list-style-type: none"> <li>a. AC Input Circuit Breaker</li> <li>b. Float Voltage adjust potentiometer</li> <li>c. Boost Voltage adjust potentiometer</li> <li>d. Test, Accept and Reset push buttons</li> <li>e. Push Buttons for Door Lamps.</li> <li>f. Heater, Socket &amp; Door Lamp Power Supply ON/OFF Toggle Switches</li> <li>g. Battery Current Limit adjustment potentiometer</li> <li>h. Redundancy Fan Power Supply ON/OFF Switch</li> </ul>	
	<p><b>7. SPECIAL FEATURES</b> :</p> <ul style="list-style-type: none"> <li>a. Soft Start on DC side (slow walk in circuit to prevent application of full load DC Current in less than 10 seconds after AC Power is energized)</li> <li>b. Class-F insulation with Class-F temperature rise limits for all Magnetics</li> <li>c. Automatic Voltage Regulation using Digital Control Logic.</li> <li>d. Filter circuit to limit Ripple.</li> <li>e. Built in Auto Phase Reversal Operation.</li> <li>f. Battery path Current Limiting Circuit.</li> <li>g. Charger current limiting</li> </ul>	
	<p><b>8. GENERAL</b></p> <ul style="list-style-type: none"> <li>c. Protection class : IP-32 as per IS 13947</li> <li>d. Temperature range : 0 to 50 °C</li> </ul>	



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	<p style="text-align: center;">of operation</p> <p>e. Relative Humidity : 0% to 95% non-condensing.</p> <p>f. Cooling : Forced air cooling for 800A Charger</p> <p style="text-align: center;"><b><u>Technical Specification of 800A Charger DC Distribution Board</u></b></p> <p style="text-align: center;"><b><u>INCOMING FEEDER</u></b></p> <p style="text-align: center;">MCCB 630A 4 Pole : 1 No.</p> <p style="text-align: center;"><b><u>OUTGOING FEEDERS</u></b></p> <p style="text-align: center;">MCB 32A 2 Pole with 36A Fuse : 10 Nos.</p> <p style="text-align: center;">MCB 25A 2 Pole with 32A Fuse : 15 Nos.</p> <p style="text-align: center;">MCB 20A 2 Pole with 25A Fuse : 15 Nos.</p> <p style="text-align: center;">MCB 16A 2 Pole with 20A Fuse : 10Nos.</p> <p style="text-align: center;">MCB 10A 2 Pole with 16A Fuse : 5Nos.</p> <p style="text-align: center;"><b><u>METERS</u></b> : Analog type meters of Size 96x96 with 90° deflection and 1.0% accuracy will be required for DC Volt meter and DC Ammeter.</p> <p style="text-align: center;">DC Voltmeter at Incomer : 1 No.</p> <p style="text-align: center;">DC Ammeter at Incomer : 1 No.</p> <p style="text-align: center;"><b><u>Indications</u></b> : Incomer ON/OFF</p>	
02.	<b>Buy Back</b> of existing “Amara Raja” makes 24 V, 650 FC & 175 BC along with DC Distribution board.	04 sets
03.	<b>Supervision, Installation and commissioning</b> of above said new battery shall be done by party	04 sets

## 2. QUALIFYING REQUIREMENTS FOR BIDDERS.

A.The materials to be supplied should be new and good finish and should be as per the technical specification. Technical brochure / product catalogue to be submitted.

B.The bidders should have experience in design, manufacture, supply, erection of 24V/800A Float cum Boost Charger suitable for Plante Battery of 12 Cells. Minimum three order copy and execution ( completion certificate) to be submitted from the Industries o where it has been supplied.

C.The performance certificates from the installation owner, to which chargers are supplied, are to be enclosed. The Performance certificate should be submitted for the installations which are commissioned in the last three (03)Years as on date of bid opening.



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D. EMD of requisite amount.

2.1 The bidders shall preferably be ISO 9001 and ISO 14001 approved.

2.2 The bidder shall be submitted followings with the bid.

- a) List of plants and machinery installed in the works of bidder relevant to the equipment in the bid.
- b) Details and range of products manufactured
- c) List of past supplies of similar products.
- d) Bidders must submit relevant credentials in support of their claim of being manufacturer and copies of purchase orders in support of supply of said items to other concerns of repute preferably NTPC and Other Thermal Power Stations.
- e) The bidder may also offer chargers of International Standard with details of technical description & product catalogue to suit our required specification.
- f) Consent for buy back of exiting charger along with DC distribution board.

### **3. Commercial Terms & Requirements:**

3.1 The materials to be supplied should be new and good finish and should be as per the technical specification. Technical brochure / product catalogue to be submitted.

3.2 Bidder must submit requisite amount of EMD in shape of DD payable on State Bank of India (Code No. 9510) Banharपालि/Central Bank of India, Belpahar/ Andhra Bank, Adhapada (Code-0662), Ib Thermal Power Station, Banharपालि, Jharsuguda in favour of Orissa Power Generation Corporation Limited. They may submit both EMD amount in M/s OPGCL Bank account, i.e. State Bank Account no. – 1 0 7 6 5 7 8 9 0 9 0. The details to be enclosed with the part-1.

3.3 Photocopies of latest ITCC, STCC, PAN, TIN No, and Manufacture certificate registered as per Registration of Company Act/NSIC, status of the firm (Micro, Small or Medium Enterprise) are to be submitted by the bidders.

3.4 **Payment:** 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 21 months (18 months + 03 months grace period) from the receipt of materials or 12 months from the date of use. All payment shall be made in electronic mode. E mandate to be submitted for release of payment.

3.3 The bidder has to clarify to submit security deposit i.e 05% of the P.O. value in shape of DD/irrevocable bank guarantee from a nationalised bank executed on non-judicial stamp paper of appropriate value towards execution of the contract.

3.4 The bidder shall have to confirm that guarantee period of 12 months commencing from the date of utilisation or 21 months from the date of last despatch whichever is earlier for defects in material and workmanship.

3.5 The bidder has to submit their valid BIS/ISO registration certificate or any other international accreditation documents.

3.6 The bidder has to clarify to deliver the material within six week. However OPGCL will have the right to purchase / cancel at any point of time. Schedule of



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delivery shall be a point for consideration during evaluation of the bid.

- 3.7 **Validity:** The price shall remain valid for a period of 180 days from the date of opening of techno-commercial bid.
- 3.8 Termination of Contract: The purchaser has to right to terminate the contract at any time with one month notice for the reasons beyond its control.
- 3.9 You shall have to depute your representative for installation; supervision and erection purpose. Bidders should submit the offer separately for these works.
- 3.10 Any deviation from above points shall have to be mentioned clearly in the techno commercial bid.
- 3.11 The bidder must submit their proposal for the buy back of the existing battery and submit their offer for the same.

#### 4. TENDER NOTICE NIT GENERAL TERMS & CONDITIONS

- 4.1: 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 Manager, Purchase Department 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.
- 4.2: 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- Ib Thermal Power Station.
- 4.3: All tenders are to be submitted up to 13 hours on the opening date & they will be opened at 15 hours on the date specified. Representatives of the bidders those who choose to be present may attend the bid opening..
- 4.4: 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.
- 4.5: Actual percentage of Duties/Sales Tax( Local or Central or Both) 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 Sales Tax/Excise Duty 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 Sales Tax/Excise Duty 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.
- 4.6: TIN No/ VAT No. SALES TAX REGISTRATION NUMBER MUST BE INDICTED IN VARIABLY FAILING WHICH OFFER SHALL NOT BE CONSIDERED.
- 4.7: Rates quoted should be F.O.R. IBTPS, Bahnaprali. In case rates Ex-godown shops Please indicate actual amount of Packing and Forwarding charges and railway freight/Road freight up to destination, IB Thermal Power Station, Bahnaprali, Jharsuguda, Odisha. Jharsuguda is our nearest transport godown which is 40 Kms from Ib Thermal.
- 4.8: 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





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certify that the rates quoted are same as are applicable on the rate contract finalized the Director General or Supplies & Disposals.

4.9: Illustrated pamphlet/leaflet and drawing indication technical details/Year of manufacture, Maker's Name, Country of Origin etc. must be enclosed with tender.

4.10: PECIAL 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. THE TELEGRAPHIC QUOTATIONS GIVING ALL THE RELEVANT DETAILS OF STORES OFFERED SHOULD ALSO BE RECEIVE BEEN POSTED AT LEAST A DAY BEFORE THE DATE OF OPEN OF TENDERS & FULLY CONFIRMING IN DUE RESPECTS TO THE OFFER BY TELEX/TELEGRAM/FAX.

4.11: 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.

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.

4.12 : 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 purchased 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 Purchase 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.

4.13 : 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.

4.14: 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.





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b) Bank Guarantee from a Nationalized Bank revocable and operative till the validity of the offer.

The earnest money will be liable to be forfeited on revocation of the quotation expire if refused to enter into a contract after the award is made to the tender.

- 4.15 : 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, Bahaprali.
- 4.16 : Preference will be given to those quoting payment and delivery as per bid norms. Loading shall be made for other terms of payment and delivery.
- 4.17 : 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.
- 4.18: Printed Terms and Conditions on letter heads or Quotation form of tenderers shall not be applicable.
- 4.19 : Tendering firms are advised to quote as per our serials number specified in tender notice.
- 4.20 : 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.
- 4.21 : 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.
- 4.22 : 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.
- 4.23 : 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.
- 4.24 : 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.
- 4.25 : Offer may not consider without submission of EMD.
- 4.26 : These terms and conditions shall from a part of the contract.
- 4.27 : All or any difference or disputes arising out of or related to this order shall be decided by Court in Jharsuguda only.
- 4.28 : (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).



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P&F charges	2%
Freight	2%
300 Kms. to 500 Kms.	3%
500 Kms. To 1000 Kms.	4%
Above 1000 Kms.	5%
Insurance	0.15%

(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 alongwith 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)

Excise Duty on (Basic + P&F)

Sales Tax on (Basic + P&F+ ED)

Freight on (Basic + P&F)

Insurance on (Basic + P&F + ED+ ST)

Payment Terms Loading on (Basic + P&F + ED + ST)

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

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

(b) In case of the bidder stipulates Excise Duty as applicable at the time of dispatch & specifies the present rate of Excise duty( a numeric percentage or nil ), in such case the offer shall be evaluated considering the maximum rate of E.D. applicable for the product as per Excise Tariff of Govt. of India or as evident from the other bids received in the tender.

However, the liability of OPGCL shall be as per actual ED applicable at the time of dispatch, subject to production of Excise invoice. Further the rate of ED shall be



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restricted to as applicable within the contractual delivery period only. Increase in ED rate in any due delay in supply beyond the contractual delivery period shall not be payable by OPGCL. However the benefit of any decrease in ED shall be passed on to OPGCL.

In case bidders quote with Fixed Rate of ED OR Special ED as NIL” the offer shall be evaluated accordingly. This will be subject to submission of Excise invoice copy for having actually paid the Excise Duty or otherwise but claim for any upward revision will not be accepted at a later stage.

(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.)

### 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. 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. All person(s) connected with OPGCL shall have to adhere the safety rule regulations of the Company.



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### **Salient points of HSE (Health Safety & Environment) that are to be considered while submission of offer are:**

Consumption benchmarks related to output shall be provided wherever applicable for key input resources(energy/fuel/chemicals).

Competency requirements for operation, maintenance and calibration if any.  
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).

Occupational and Health safety control measures for safe working of the equipment offered.

Equipment should be fitted with guard for rolling and moving part as per OH&S legislation and Factory Act.

The recommended PPE for the equipment to be furnished.

Details of all hazardous/harmful substances discharged as by-products/wastes during operations to be mentioned along with their permissible limits.

Appropriate pollution controls measures to be taken to keep the emissions from the battery to be clearly mentioned.Chemical banned due to their negative impact on the environment shall not be used in the offered item.

Details of disposal practices to be followed to be provided for the chemicals and the equipments.

Primary materials used in the equipment shall be specified and they should be eco friendly.

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

Tender No.: ITPS(Purchase)/10-11/12(P) dt.14.03.2011

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 detail deviation and proposal.	
2	Credentials	Submitted/ Not submitted as per bid requirement.	
3	The bidders should have experience in design, manufacture, supply, erection of float cum boost charger is in successful operation <b>in at last three different installations.</b>	Yes/ No.	
4	The performance certificates from the installation owner, to which batteries are supplied, are to be enclosed. The Performance certificate should be submitted	Yes/ No.	



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	for the installations which are commissioned in the last three (03) years as on date of bid opening.		
5	Bidder is a ISO 9001/ISO14001 firm	Yes/No	
6	All Tests to be carried out as per the bid document	Yes/No	
7	Bidder has to submit EMD either in shape of DD payable on State Bank of India (Code No. 9510) Banharpali/Central Bank of India, Belpahar/ Andhra Bank, Adhapada (Code-0662), Ib Thermal Power Station, Banharpali, Jharsuguda in favour of Orissa Power Generation Corporation Limited.	Submitted/Not submitted	
8	Price Basis	FOR Destination Ib Thermal Power Station. Parties offering FOR Ex.Works please give the place of works.	
9	Packing & Forwarding charges	..... % or Rs..... in Lumpsum Inclusive/ Exclusive.	
10	Excise Duty	..... % Inclusive/ Extra/Not applicable.	
11	Sales Tax/VAT	..... % of CST/VAT inclusive or Exclusive. OPGCL will provide " C " form for interstate sale.	
12	Transportation Cost	Rs.---- per No./Lump sum. As extra/Inclusive.	
13	Transit Insurance	..... % extra/inclusive	
14	Odisha Entry Tax	.....% inclusive/Extra	
15	Delivery Schedule	Six weeks Accepted/Not Accepted.	
16	Validity of offer	180 days from the due date of opening date of the Part-1 bid.( Techno Commercial). Accepted/Not accepted.	
17	Liquidated damage clause is applicable if delivery is delayed beyond quoted delivery date @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%.	
18	Submission of security deposit	Accepted/Not accepted	
19	Payment Term: 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 21 months (18 months + 03 months grace period) from the receipt of materials or 12 months from the date of use.	Accepted/ Not accepted.( in case non acceptance loading shall be done)	



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20	Acceptance of part order quantity	Yes/No	
21	Packing material as per OPGCL term to use non asbestos and environmentally friendly material	Yes/ No	
22	Payment to be made through RTGS mode	Accepted/ Not accepted.	
23	All Bank charges to vendor account	Accepted/ Not accepted.	
24	Tender Notice NIT General Terms & Conditions	Accepted/ Not accepted.	
25	Acceptance to guarantee clause	Accepted/not accepted.	
26	List of Deviation statement from tender norms.	Submitted/ Not submitted.	

Authorised Signatory:

Name of the firm:

Designation:

Company Seal:

Place & Date:

NIT No.- ITPS/ (Purchase)/2010-2011/ 08(P) dt.14.03.2011

### **Part-II**

**Part-II** is the Price Bid only which should contain the price & details of break up of the trade discount, Packing, forwarding, Excise duty, Sales Tax, VAT, freight, insurance & Odisha Entry Tax. Supervision and Installation Charges, Third party inspection charges etc.

### **PROFORMA FOR SUMMARY QUOTATION FOR PRICE BID (Part-II)**

BIDDERS REF:

DATE:

S. N	Description of the materials Equipment Service Item wise	Qty. offered	Unit Rate	Price Basis	Packing & Forwarding charges	E. D	Sales Tax /VAT	Estimated freight/ Specify mode of transport	Transit Insurance (specify rate)	Orissa Entry Tax	Total price F.O.R. Destination
1	Price of New charger	04 sets									
2	Buy Back Price	04 sets									
3	Price of Installation & commissioning	04 sets									

**# All price are to be in Indian Rupees.**

1. Bank charges (if any)

2. Installation, Commissioning Charges if any:

3. (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:



## Orissa Power Generation Corporation Limited IB Thermal Power Station

The above two bids should be sealed separately super scribing as **Technical & Un-Priced Commercial (Part-I)** and **Price Bid (Part-II)** as the case may be and enclosed in **third sealed** envelope super scribing NIT No. ITPS/ (Purchase) /2010-2011/ 12 (P) dt. 14/03/2011 for supply of Float cum Boost Charger to ITPS due on 28/04/2011 . Your offer should reach this office on or before 28/04/2011 up to 13.00 hrs. Part-I (Technical and Un priced commercial Bid) shall be opened on same day at 15.00 hrs. in presence of either the bidder or their authorized representative. Parties who shall qualify in Techno commercial bid shall be intimated to attend on a future date & venue to keep them present in the opening of Price Bid.

The EMD of unsuccessful bidders shall be returned within 30 days of opening of the price bid. If the bids are not submitted in separate sealed envelope, both found in one envelope or if price bid is found in techno commercial bid and vice versa the bids may be rejected. 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 also reserves the right to accept, reject all or any bid & can split among the bidders without assigning any reason thereof.

**Manager, Purchase**





# Orissa Power Generation Corporation Limited IB Thermal Power Station

## ANNEXURE – II

PROFORMA FOR BANK GUARANTEE IN LIEU OF DD FOR EARNEST MONEY  
(on Non Judicial stamp paper of Appropriate value to be procured in the name of executing bank)

Ref:

Date:

Bank Guarantee No.

To

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

Dear Sir,

In consideration of Orissa 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 \_\_\_\_\_



# Orissa Power Generation Corporation Limited

## IB Thermal Power Station

### ANNEXURE\_III

#### PROFORMA OF BANK GUARANTEE FOR SECURITY DEPOSIT –CUM- 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, Orissa 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



# Orissa Power Generation Corporation Limited IB Thermal Power Station

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 undertake 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

- 1. ....
- 2. ....

For and on behalf of (the Bank)

Signature .....  
Name .....  
Designation .....  
Authorisation No. ....  
Seal of the Bank .....



# Orissa Power Generation Corporation Limited IB Thermal Power Station

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 Photo 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 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:



# Orissa Power Generation Corporation Limited

## IB Thermal Power Station

Date:

(Signature of the Authorized Official from the Banks)

### **INSTRUCTIONS FOR FURNISHING BANK GUARANTEE**

1. Bank Guarantee (B.G.) for Advance Payment, Mobilization Advance, B.G. for Security Deposit-cum-Performance Guarantee, Earnest Money should be executed on the Non-Judicial Stamp Paper of the applicable value and to be purchased in the name of the Bank.
2. The Executor (Bank authorities) may mention the Power of Attorney No. and date of execution in his/her favour with authorization to sign the documents. The Power of Attorney is to be witnessed by two persons mentioning their full name and address.
3. The B.G. should be executed by a Nationalised Bank/Scheduled Commercial Bank. B.G. from Co-operative Bank/Rural Banks are not acceptable.
4. A Confirmation Letter of the concerned Bank must be furnished as a proof of genuineness of the Guarantee issued by them.
5. Any B.G. if executed on Non-Judicial Stamp paper after 6(six) months of the purchase of such stamp paper shall be treated as invalid.
6. Each page of the B.G. must bear signature and seal of the Bank and B.G. Number.
7. The contents of the B.G. shall be strictly as Proforma prescribed by OPGCC. in line with Purchase Order/LOI/Work Order etc. and must contain all factual details.
8. Any correction, deletion etc. in the B.G. should be authenticated by the Bank Officials signing the B.G.
9. In case of extension of a Contract, the validity of the B.G. must be extended accordingly.
10. B.G. must be furnished within the stipulated period as mentioned in Purchase Order/L.O.I./Work Order etc.
11. Issuing Bank/ The Vendor is requested to mention the Purchase Order/NIT reference along with the B.G. No. for making any future queries to OPGC.



# Orissa Power Generation Corporation Limited IB Thermal Power Station

## **OPGC EHS Policy made on 05.06.2008**

Orissa Power Generation Corporation Limited., at Ib Thermal Power Station (ITPS), Banharpali, Jharsuguda, commits to prevent & control pollution and minimize risks due to hazards involved in all activities related to Power generation and to have continual improvement in the performance of the Environment, Health and Safety Management system.

To achieve this, the objectives envisaged for commitment are to

1. Produce clean and economic power.
2. Conserve resources used as input.
3. Minimise source emission by adopting efficient operating practices & clean technology wherever techno-economically viable.
4. Minimise fugitive emission & improve work zone condition.
5. Manage solid & hazardous waste in a safe and eco-friendly manner.
6. Comply with applicable Environment, Health and Safety regulations and other requirements.
7. Have on-site emergency plan & preparedness for handling various emergency situations related to Environment, Health and Safety.
8. Prevent injury and ill health to all persons due to hazards associated with its activities.
9. Maintain thick green belt in and around the plant & colony.
10. Build Environment, Health and Safety awareness among all persons working for or on behalf of ITPS through awareness campaigns.
11. Create a participative and motivating environment among employees at all levels to strive for highest degree of EHS performances.
12. Communicate this Policy to all persons working at ITPS, contractors, suppliers, visitors and other interested parties.

**VIVEKANANDA BISWAL**

Managing Director

Date : 05.06.2008