



BID DOCUMENT

Name of work: “Overhauling of ESP (Two Parts)”

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ODISHA POWER GENERATION CORPORATION LTD. Unit# 3 & 4
1b Thermal Power Station, Banaharpali, Jharsuguda – 768234
(ODISHA)

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ODISHA POWER GENERATION CORPORATION LIMITED
IB THERMAL POWER STATION Unit # 3&4
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NOTICE INVITING TENDER

NIT No. ITPS/Unit 3 & 4/19-20/265

Date: 14/03/2020

Separate Sealed bids in the prescribed format are invited from bona fide and financially sound reputed Agencies / Registered Firms/Companies for execution of the following works at 2X660 MW IB Thermal Power Station, Banaharpali.

SI	Name of the work	Tender Cost (Rs.)	EMD (Rs.)	Contract Period	Sale of Tender document	Date of receipt & submission /Opening of technical Bid
1.	"Overhauling of ESP" (Two Parts)	Rs.11,200/- (Inclusive of GST)	Rs.1,00,000/-	Order Validity – 06 Months (Job Completion period – 02 months from the date of commencement as per EIC instruction)	14/03/2020 to 23/03/2020 (Hard & Soft copy only) Up to 1:00 PM	Up to 3:00 PM on 23/03/2020 3:30 PM onwards on 23/03/2020

NB: a) Bidders having the requisite qualifying requirements specified in the bid document shall only be considered for the work.

b) Further please note to submit your offer considering GST provision and its related input tax credit benefits to be passed on to OPGC

Cost of bid document (non-refundable) shall be paid by Demand Draft in favour of OPGC Ltd. drawn on State Bank of India (Code-9510) / Andhra Bank (Code-0662) / Central Bank of India (Code-283899) payable at ITPS, Banharpali. Cost of bid document shall have to be submitted along with the bid and the DD towards the tender cost (separate from EMD) should be prepared on or before the last date of sale of tender, otherwise the bid shall be liable for rejection. In case of any discrepancy found between tender document submitted by the agency and the master copy in our office, the latter should prevail. No claim on this account shall be entertained. Complete and signed sealed bids in hard copy form only shall be received at Contract Cell, ITPS. Bids shall be opened at Contract Cell, ITPS in the presence of the bidders or their authorized representatives, if present at the time of opening. If the last date of issue / receipt / opening happens to be a HOLIDAY/office closed, the tender will be issued/ received / opened at the respective time on the next working day. The photocopies of all the supporting documents required for participating in the tender mentioned in NIT/Tender paper shall be submitted along with the bid; otherwise the bid is liable for rejection. Bids without EMD will be rejected outright.

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.

N.B: For further details & downloading of Tender documents, please visit our web site www.opgc.co.in.

Important: Agenda/Corrigenda/ Extensions, if any, will be notified on the OPGC website only and will not be published in any other media. Bidders are requested to visit our website regularly for any amendment of the present bid till finalization of bidding process.

Sd/- AGM- SCM

SAFE & CLEAN POWER IS OUR COMMITMENT



Information to Bidders

- 1) The bids complete in all respect must be submitted in a sealed envelope super scribed with tender enquiry number, name of the work and due date of opening. Both the Techno-commercial & Price Bid in separate sealed cover shall be put in a sealed third envelope. **The bid documents are not transferable.** The bidder must submit the following along with the bid:
- a) EMD of requisite amount as per NIT shall be put in a sealed envelope separately:
 - i) All Micro & Small Enterprises (MSEs) who are registered with DIC/KVIC/KVIB/Coir Board/NSIC/DHH/ Udyog Aadhar Memorandum are eligible to get the benefit of exemption from payment of EMD & Tender cost and to get the exemption, the participating bidders have to obtain/register as MSME for the specific service/supply of goods/both.
 - ii) To get the exemption of EMDs & tender fee, the party has to make an application to the head of supply chain management (SCM) who is conducting tendering process along with proof of documents regarding eligibility of the exemption at least 2 days before the last day of bid submission. The HOD after due examination will allow to participate without submission of EMD& tender fee & the same has to be communicated to bidder in writing.
 - b) Photocopies of Provident Fund Registration certificate, Income Tax PAN and GST certificate.
 - c) Bid documents duly signed & stamped in all pages as a token of acceptance.
 - d) In case of bidders submitting the documents downloaded from OPGC web site, the cost of bid documents (as per NIT) must be submitted (separately from EMD) in the form of Demand Draft. **The draft towards cost of bid documents must be drawn on or before the last date of sale of bid documents.**
 - e) Original price bid duly filled in, signed & stamped on each page shall be submitted. Any price breakup (if required) must be submitted separately. The rates offered by the bidder shall be clearly written in English (clearly hand written or typed) both in words and figures and shall be free from any aberrations, deletions, corrections and overwriting. In case of any illegibility of the offer submitted by bidder the interpretation by OPGC shall be final and binding on the bidder. Insertion, postscript, addition and alteration shall not be accepted after submission of the bid.

Note: Tenders submitted without the above requirements shall be liable for rejection.

- 2) Bidders are advised to submit the tender based strictly on the terms and conditions and specifications contained in the tender documents and not stipulate any deviations in normal case.
- 3) **OPGC will award the contract to the successful bidder whose bid (offered/evaluated) has been found the lowest i.e. on L-1 basis.**
- 4) OPGC reserves the right to evaluate the quotation on such deviations having financial implications by adding the cost determined by OPGC.
- 5) Wherever it is mentioned in the specification that the contractor shall perform certain work or provide certain facilities, it is understood that the contractor shall do so at his own cost.
- 6) Before quoting the rates the Bidder should go through the specifications, scope of work, special condition of contracts etc. and get himself fully conversant with them. The bid should include cost of mobilization and cost to adhere to all **safety norms as described in the tender & OPGC contractor safety management program document no.EM4/61 (PART A)**. No relaxation or request for revision of quoted/accepted rates shall be entertained subsequent to the opening of bid on account of mobilization or Safety costs.
- 7) The details of items in the price schedule shall be read in conjunction with the corresponding technical specifications. Items of work provided in the price schedule but not covered in the technical specifications shall be executed strictly as per instructions of Engineer in charge.
- 8) The Bidders shall quote rates inclusive of the complete cost towards consumables, tools and tackles, equipments, labour, levies, taxes and duties if any, **all safety PPE's as per OPGC norms to all workmen**, rectification, maintenance till handing over, supervision overheads, profits and all incidental charges not specifically mentioned but reasonably implied and necessary to complete the work according to contract.
- 9) OPGC reserves the rights of accepting the whole or any part of the tender and bidder shall be bound to perform the same at their quoted rates.

GENERAL CONDITIONS OF CONTRACT



ODISHA POWER GENERATION CORPORATION LIMITED
7TH. FLOOR, ZONE – A, FORTUNE TOWERS,
CHANDRASEKHARPUR, BHUBANESWAR – 751 023
(ODISHA)

1. Tenders are invited on behalf of the OPGC Ltd. for the work **“Overhauling of ESP (Two Parts)”**.
2. The Tender & rates shall be in the prescribed form provided by OPGC.
3. The works are required to be carried out **within the time period as per instructions and time schedule given by the EIC**.
4. Normally Bidders having corresponding class of license, PF Code, Service Tax code, valid IT PAN & GST IN, expertise for the work required to be executed and financial capacity will be considered.
5. The person who floats the NIT shall be the Accepting Authority herein after referred to as such for the purpose of this Tender.
6. Applications for issue of tender documents shall be submitted to Accepting Authority so as to reach his office not later than **dt. 23/03/2020. (up to 03:00 PM)**
7. A Bidder shall possess IT PAN, PF Registration certificate and GST IN.
8. Tender documents consisting of plans, drawings, specifications, Schedule(s) of Quantities / Price Schedule of various classes of work to be done, the Conditions of Contract and other necessary documents.
9. A Bidder should quote his rates in figures as well as in words. The amount for each item should be worked out and the requisite totals given. Special care shall be taken to write rates in figures as well as in words, and the amounts in figures only in such a way that interpolation is not possible. The total amount shall be written both in figures and in words. In case of figures, the words ‘Rs.’ should be written before the figure of rupees and the words ‘Paise’ after the decimal figures, e.g. Rs.2.15 P. In case of words, the words ‘Rupees’ should precede and the words ‘Paise’ should be written at the end. Unless the rate is in whole rupees and followed by the word ‘Only’ it should invariably be up to two places of decimal.
10. In the case of item rate Tenders, only rates quoted shall be considered. Any tender containing percentage below / above the schedule of rate quoted is liable to be rejected. In case of lump sum tenders, only quoted amount shall be considered.
11. Any Bidder for the works shall not be witness in the Bid of any other Bidder for the same works. Failure to observe this condition shall render the Tender of the Bidder tendering as well as of those witnessing the Tender liable for rejection.
12. Tender shall be received up to **3.00 P.M** of **dt. 23/03/2020** and shall be opened at **3.30 P.M on 23/03/2020** in presence of those Bidders or their duly authorized representatives who may like to be present.
13. The Tender shall be accompanied by Earnest Money **@ Rs.1,00,000/-**. The Earnest Money offered shall be in shape of Demand Draft/Pay Order/**Bank Guarantee (BG as per attached format & shall be valid for 06 months)** in favor of ODISHA Power Generation Corporation Ltd. drawn on State Bank of India (Code-9510) / Andhra Bank (Code-0662) / Central Bank of India (Code-283899).

- 14.** The Tender shall be accompanied with letter of undertaking on non-judicial stamp paper of appropriate value in the prescribed format.
- 15.** The Earnest Money shall be made payable without any condition/demure to the Owner on demand. The Earnest Money shall be valid for a period of 03 (Three) calendar months from the date of opening of the bid
- 16.** In consideration of the Owner opening and considering the Tender for purpose of award of Contract, the Bidder shall keep his Tender valid for a period of **Ninety (90) days** from the date of opening of the Tender, during which period the Bidder agrees not to vary, alter or revoke his Tender either in whole or in part. If the Bidder however, fails to keep his Tender valid for **Ninety (90) days** or varies its terms and conditions during the said period then the Owner shall be entitled to forfeit the Earnest Money amount without any notice or proof of damages etc. The Bidder shall submit his Tender as required in the Tender documents along with letter of undertaking in the proforma enclosed herewith.
- 17.** The Earnest Money of all unsuccessful Bidders will be returned within thirty (30) days after the award of the Contract.
- 18.** Any Tender not accompanied with Earnest Money in accordance with aforesaid provisions shall be rejected by the Owner as non-responsive Bid.
- 19.** No interest will be payable by the Owner on the said amount covered under Earnest Money / other security deposits.
- 20.** On finalization of Tender, Earnest Money deposited in form of DD of successful Bidder will be treated as part of the initial security at the option of the said Contractor or shall be returned to the successful bidder at his option.
- 21.** A Bidder shall submit the Tender which satisfies each and every condition laid down in this notice and other tender documents, failing which the Tender will be liable to be rejected.
- 22.** The ODISHA Power Generation Corporation Ltd. do not bind themselves to accept the lowest or any tender or to give any reasons for their decision. The Owner reserves the right to allow the Public Sector Undertakings price preference facilities as admissible under existing Govt. policy. The prospective Bidders may apprise themselves of the relevant Govt. notification in this regard before submission of their bid. The ODISHA Power Generation Corporation Ltd. reserves the right of accepting the whole or any part of the Tender or split the total scope of work among eligible Bidders and Bidder (s) shall be bound to perform the same at his/their quoted rates.
- 23.** Except GST, Work Contract Tax or any other tax on materials in respect of this Contract shall be payable by the Contractor except service tax which shall be extra as applicable.
- 24.** The right to accept the Tender rests with the Owner. The Owner further does not bind himself to accept the lowest tender and reserves the authority to reject any or all the Tenders received without assigning any reason whatsoever. The whole work may be split up between two or more Contractors or accepted in part (not entirely) if considered expedient. The rates shall be the lowest/negotiated for such eventualities. Tenders in which any of the particulars and prescribed information is missing or incomplete in any respect and/or the prescribed conditions are not fulfilled are liable to be rejected. The decision of the Owner in respect of the above shall be final and binding on the Bidders.
- 25.** In case Contractor's labour go on strike with advance notice as per rule, it is responsibility of the Contractor to mobilize such manpower from their other sites or otherwise and continue the work so that execution of Contract is not affected. In such an event, the failure to perform shall lead the Owner to get the work done by any other agency, but at the cost & risk of the Contractor. Further, the Contract shall be terminated with seven (7) days' notice in O&M Contract and the Contractor may be debarred from participating in any future Bid in OPGC Ltd. In case of construction work, non-adherence to schedule shall lead to cancellation of Contract or imposition of penalty at the discretion of the Engineer-in-charge. If the labours go on strike without prior notice, the situation shall be treated as force majeure provided nonperformance is for a reasonable period only. If the situation is beyond reasonable control of the Contractor but has taken appropriate steps as a man of common prudence would have taken in his own case, Owner may consider in case to case basis to either terminate the Contract or otherwise get the work done by other means but at the cost & risk of the Contractor. Only events of such illegal strike, which make the performance impossible at the

time of occurrence and for a considerable time period for mobilization, shall be considered as force majeure.

The period of Contract shall be specified in the Special Conditions of Contract. The Contract period shall reckon from the date of issue of LOI. OPGCL reserves the right to withdraw any item(s) of works from the scope by serving a 7 days' notice to the Contractor without giving any reason for the same and take up the job departmentally or otherwise if performance of Contractor is found to be unsatisfactory. Value for the items of work thus withdrawn shall not be payable by the Owner. The Contractor shall not claim any compensation on this account. The period of Contract may be extended with mutual consent if the delay is beyond the control of Contractor at the discretion of the Engineer-in-charge.

26. SUSPENSION OF WORKS:

The Contractor shall, on receipt of the order in writing of the Engineer-in-charge, suspend the progress of the works or any part thereof for such time and in such manner, as the Engineer-in-charge may consider necessary for any of the following reasons:

- i) On account of any default on part of the Contractor; or
- ii) For proper execution of the works or part thereof for reasons other than the default of the Contractor;

In any of the above cases the Contractor shall properly protect and secure the works to the extent necessary and carry out the instructions given on that behalf by the Engineer-in-charge during such suspension period.

27. The Contractor shall employ labour in sufficient numbers to maintain the required rate of progress / attend the repair-maintenance on its occurrence and of quality to ensure workmanship of the degree specified in the Contract and to the satisfaction of the Engineer-in-charge. The Contractor shall not employ in connection with the works any person who has not completed his/her eighteen years of age.

28. The Contractor shall in respect of labour employed by him or his subcontractors comply with or cause to be complied with the Contractors Labour Regulations.

29. At present Employees State Insurance (ESI) Act is not applicable to IB TPS but may be extended at any time. In case of enforcement of the scheme, the Contractor shall be liable to pay his contribution and the employees contribution to the State Insurance Scheme in respect of all labour employed by him for the execution of the Contract, in accordance with the provision of "The Employees State Insurance Act, 1948" as amended from time to time. In case, the Contractor fails to submit full details of his account of labour employed and the contribution payable, the Engineer-in-charge shall recover from the running bills of Contractor an amount of contribution as assessed by him. The amount so recovered shall be adjusted against the actual contribution payable for Employees State Insurance.

30. The Engineer-in-charge shall on a report having been made by an Inspecting Officer as defined in the Contractor Labour Regulations have been the power to deduct from the money due to the Contractor any sum required or estimated to be required for making good the loss suffered by a worker or worker by reason of non-fulfillment of the Conditions of the Contract for the benefit of workers, non-payment of wages or of deductions made from his or their wages which are not justified by the terms of the Contract or non-observance of the said Contractors Labour Regulations.

31. In the event of the Contractor committing a default or breach any of the provisions of the aforesaid Contractors Labour Regulations as amended from time to time or furnishing any information or submitting or filling any Form/Register/Slip under the provisions of these Regulations which is materially incorrect, then on the report of the Inspecting Officers as defined in the Contractors Labour Regulations the Contractor shall without prejudice to any other liability pay to the Owner a sum not exceeding Rs.500.00 as liquidated damages for every default, breach or furnishing, making, submitting, filling materially incorrect statement as may be fixed by the Engineer-in-charge and in the event of the Contractor's default continuing in this respect the liquidated damages may be enhanced to Rs.500.00 per day for each day of default subject to a maximum of ten percent of the contract value. The Engineer-in-charge shall deduct such amount from bills or security deposit of the Contractor and credit the same to the Welfare Fund constituted under Contract Labour (R&A) Act 1970. The decision of the Engineer-in-charge in this respect shall be final and binding.

32. Model Rules for Labour Welfare: The Contractor shall at his own expense comply with or cause to be complied with Model Rules for Labour Welfare. In case the Contractor fails to make arrangements as aforesaid, the Engineer-in-charge shall be entitled to do so and recover the cost thereof from the Contractor.

33. Safety code: The Contractor shall at his own expense arrange for the safety provisions.

34. REMOVAL OF WORKMEN:

The Contractor shall employ in and about the Execution of the works only such persons as are skilled and experienced in their several trades and the Engineer-in-charge shall be at liberty to object to and require the Contractor to remove from the works any person employed by the Contractor in or about the execution of the works who in the opinion of the Engineer-in-charge misconducts himself or is incompetent or negligent in the proper performance of his duties and such person shall not be again employed in the work without permission of the Engineer-in-charge.

35. WORK DURING NIGHT SUNDAYS AND HOLIDAYS: Subject to any provisions to the contrary contained in the Contract, none of the permanent works except emergency maintenance work & operation shall be carried out during night or on Sundays or on authorized holidays without the permission in writing of the Engineer-in-charge. But in case of maintenance Contract, the Contractor shall be required to work any time any day as required by Engineer-in-charge.

36. NEGOTIATION OF RATES:

In case Owner finds the lowest price to be at higher side in consideration of market price of various inputs including labour component, may call the lowest Bidders for negotiation of price based on analysis of their rate etc.

37. Payment of running bill:

a) 90% payment along with 100% taxes & duties shall be released on monthly basis within 30 days from the date of submission of bills duly certified by EIC.

b) Balance 10% of basic order value will be released within 30 days after completion of the contract & clearance from EIC.

39. LABOUR LAWS

Contractor shall comply with all laws, ordinances, regulations and notification / instruction of Govt. concerning the health, wages, welfare, safety and employment and non-employment of his workers and shall exclusively bear the consequences of failure to comply therewith.

The following points are to be observed strictly by the Contractor.

i) No labour below the age of 18 (eighteen) years shall be employed on the work.

ii) The Contractor shall not pay less than the notified wages by the appropriate government towards minimum wages from time to time and must comply with Minimum Wages Act. The payment has to be made to the labours in the presence of authorized representative of the Owner / Engineer-in-charge.

iii) The Contractor shall at his expense comply with all labour laws and keep the Owner indemnified in respect thereof.

iv) The Contractor shall pay equal wages for men & women in accordance with Equal Remuneration Act 1976.

v) The Contractor under the Contract Labour (Regulation and Abolition) Act, shall have a valid Labour license from appropriate licensing authority prior to starting / within 15 days of commencement of the work under the Contract. Validity of the license shall be maintained till expiry of Contract period & its extension, if any.

vi) The Contractor shall employ labour in sufficient numbers to maintain the schedule of work and of quality to ensure workmanship of the degree specified in the Contract and to the satisfaction of the Engineer-in-charge.

vii) The Contractor shall furnish to the Engineer-in-charge at the interval of every 15 days a statement of the workmen employed on the works and also furnish information under rule 73 of ODISHA Contract Labour (R&A) Rule, 1975 or rules made there under.

40. PREPARATION OF BID:

The Bidder(s) shall submit the bid in two part, namely-

I) Techno commercial Bid and

II) Price bid

PART-I : TECHNO-COMMERCIAL BID

A complete set of original Tender documents as issued to the Bidder duly filled in as prescribed in different clauses of the Tender documents with signature & stamp in all pages as token of unconditional acceptance shall constitute Techno-commercial Bid.

The Bidder shall enclose the following & documents mentioned in qualifying criteria in this Bid.

a) **Crossed Demand Draft** for requisite amount drawn in favor of ODISHA Power Generation Corporation Ltd. in the manner prescribed above towards the Earnest Money and Tender cost without which the Tender will be summarily rejected.

b) **Details of work order of similar nature** and magnitude executed by the Bidder as per the qualifying criteria & other documents as specified in tender qualification criteria.

Note: If required additional sheet may be used to furnish all above information but in the format provided in General Conditions of Contract.

The techno-commercial bid with all its enclosures as mentioned should be put in an envelope, sealed & super scribed as "TECHNO-COMMERCIAL BID". **This envelope must contain Name of the work, NIT No., Due date of opening and Name & Address of the Bidder on bottom left hand corner of the cover.**

PART-II : PRICE BID

Kindly submit the Price bid in a different envelope as per BOQ.

Price bids of only those bidders will be opened who meet as per qualification criteria given below. The Owner shall not entertain any correspondence with any Bidder in relation to the acceptance or rejection of any Price Bid.

For and on behalf of ODISHA Power Generation Corporation Ltd.

Signature...Sd/-

Designation: Addl GM-SCM – Contract Cell Unit 3&4 , ITPS.

Date:

QUALIFYING CRITERIA

Name of work: "Overhauling of ESP" (02 Parts)

Bidders having the following criteria shall only be considered to be qualified in the Techno-commercial Bid:

1. The bidder must have minimum 05 years erection experience in ESP in coal fired Power plant.
2. The bidder must have experience in 500MW of each unit or more than that.
3. Average Annual financial turnover during last two years (17-18 & 18-19) should be Rs.200 Lakhs or more. Audited Balance Sheet and profit & Loss A/C must be submitted along with the Techno-commercial Bid. In case the account is not audited a certificate from a chartered accountant should be produced towards turnover.
4. The bidder must have own Provident Fund Code, GST No. Photocopies of these documents must be submitted along with Techno-commercial Bid.

NOTE:

- 1) The bidders who are found qualified in above will be invited for the opening of the price bids.
- 2) All the above documents along with supporting documents to be enclosed in the Techno-Commercial Bid (PART-I).

Owner reserves the right to obtain necessary documents and also to assess the qualification of the Bidder, subsequent to submission of bid, as deemed necessary by Owner to establish bidder's qualification.

SCOPE OF WORK FOR OVERHAULING OF ESP UNIT- 3 & 4 (2X660 MW)

1	<p>Derik fabrication-</p> <ul style="list-style-type: none"> • Making a side store, Derik fabrication ,erection of Derik (20 Mts height) with rope line of 20mm and pipe (8 inch dia and at least 6mm thickness) as per the requirement at site and ladder (20 mts height by using 50x50 angles and flat of 6x50mm) for Derik with all its accessories ,fixing of two no's of electrical winch 5T and 3T of each capacity and electrical operating station for refixing of damaged collecting electrodes by new collecting electrodes.
2	<p>WATER WASHING & ESP INTERNAL CLEANING</p> <ul style="list-style-type: none"> • Work includes cleaning & removal of ash from ESP, ESP internal including the GD screens to be water washed with water pressure of 4-5 kg/sq. cm. till metallic surface exposed completely free of ash deposits. Necessary hoses are to be arranged for the work by the contractor. The contractor has to clean the outer surface of ESP as per instruction of E-I-C.
3	<p>CLEANING, INSPECTION, REPAIR / RECTIFICATION OF ESP INTERNAL</p> <ul style="list-style-type: none"> • Cleaning and checking of support & shaft insulators, inside & outside corona shields, hopper inspection doors, casing doors, GD Screen and manholes are to be done. New ceramic rope is to be replaced, bolt tightness to be done for the above. Replacement of ropes/gaskets (inspection door, insulator housing door, CERM shaft cover, etc.) to be done and closing of inspection doors, manholes and final box up after completion of the works. • Inspection of GD Screen are to be done and if required same will be replaced / repaired. • Inspection & rectification of GD screen deflector plate and fixed new in replace of damaged deflector plate. • Inspection and rectification of Dust guard gap and cleaning of dust guard. • Inspection and rectification of screen tube gap. • Cut the angle and extra projected structure of the field for reduce the spark. • Maintain the gap between section one and section two field of collecting and emitting frame. • Inspection and maintain the gap (40 mm) in between shock bar and shock bar guide assembly (rapping and non-rapping side). • Alignment of field along with emitting system frame shall be in contractor scope.
4	<p>REPLACEMENT OF COLLECTING PLATE & FIELD RECTIFICATION :</p> <ul style="list-style-type: none"> • Detail investigation and marking of damaged internals, collecting electrodes, collecting suspension frame, emitting frame, shock bar & shock bar guide etc. • Finding out & marking of damaged collecting electrodes which are beyond repair. • Partially damaged collecting electrodes should be repaired at position by hook area strengthening. • Bowed electrodes should be repaired at position. • Repair and fabrication of damaged collecting suspension frame and emitting frame at site. • The damaged collecting electrode are to be taken out of the ESP through the top roof/ bottom / or through any other suitable means. For this purpose, necessary opening in the ESP roof / hopper, removal of insulation & sheeting / structures if any should be made. Shifting of rectifier if any required during the collecting plate replacement will be in contractor scope. • Care should be taken while lifting and fixing in position of collecting electrodes, so that the collecting electrodes hook in position are in good condition (without dents/camber/bend) and if rectification required same is to be done by contractor at no extra cost. • Removal and re-fixing of the associated shock bar, shock bar guide angle, shock bar guide are within the scope of contractor. • Making scaffolding for Huck Bolting • Transportation of collecting electrodes from central store to the work spot in contractor scope. The Length of the electrodes will be 15 meters.

	<ul style="list-style-type: none"> All T&P like winch, chain pulley block, sling, hook chuck etc. should be arranged by contractor with valid test certificates for the erection and removal of the collecting electrodes. Care should be taken while lifting & fixing in position of collecting electrodes by using Derik erection , so that the collecting electrodes hooked in position are in good condition (without dents/ camber / bend) & if rectification required same is to be done by contractor at no extra cost. Removal & refitting of the associated shock bar (Fasteners of electrode plate in shock bar) & guide is within the scope of the contractor. Removal, re-fixing and replacement of emitting electrode during collecting electrode replacement to be done by contractor at no extra cost. Associated work like scaffolding, cutting & welding, grinding in scope of contractor Gauging of electrode spacing and alignment of collecting plate & guide are within the scope. Transportation of damaged electrodes at the designated scrap yard inside the plant as per instruction of EIC. Normalization work (i.e. close by welding) of all the access openings made during replacement of the collecting electrodes. Removal of insulation for working in contractor scope. Re-insulation of ESP Roof / Casing / Hoppers in OPGC LTD scope. Consumables like welding electrodes, grinding wheels, gases etc. to be arranged by contractor. .
5	<p>INSPECTION & RECTIFICATION OF BOWED COLLECTING PLATE</p> <ul style="list-style-type: none"> Repair of collecting plates, the job involves checking of bowed collecting plates, straightening of bowed collecting plates by heating, hammering or fasteners replacement if required & suitable clamps provided to maintain the gap of 150 mm between electrodes, if detached from the shock bar the suitable patch (to be provided by OPGC LTD) of same profile to be provided with bolting and welding thereafter with shock bar, repair of collecting plate at top hook position patch with 3 mm plates and welding.
6	<p>CHECKING OF EMITTING ELECTRODE SPRING BACK</p> <ul style="list-style-type: none"> Removal of defective emitting electrodes and its fixing are to be done with a new one. Checking of the snapping, missing and loose electrodes and their recording are to be done. Checking of electrodes spring back/tension of all emitting electrodes in first fields and last field (of both section one and section two) and the rest field on random basis. During unhooked condition, minimum spring back gap should be 350mm otherwise replacement to be done. The stretching & fixing of electrodes have to be done through stretching device. The contractor has to arrange the stretching device.
7	<p>CHECKING OF GAPS BETWEEN ELECTRODES</p> <ul style="list-style-type: none"> Gap between the collecting & emitting electrodes of each field is to be measured with "GO & NO GO" gauges and necessary rectification to be done if any to maintain the gap of 150 mm between collecting & emitting electrode all over the fields & recording thereof. Voltage gap to be maintained as per acceptable limit all along the field length.
8	<p>REPLACEMENT OF SUPPORT INSULATOR</p> <ul style="list-style-type: none"> Support insulators (if found damaged/cracked) is to be replaced by a new one. The job involves checking of the cracked insulator, replacement of support insulator gasket if required, while replacement the suspension bolts and the screen tubes gaps are to be maintained. Detail arrangements like J Hooks will be provided by OPGC LTD.
9	<p>INSPECTION & RECTIFICATION OF EMITTING RAPPING MECHANISM</p> <ul style="list-style-type: none"> The complete emitting electrode rapping mechanism including its pin wheel (Big/Small), Bush Bearing, inner arm, outer arm, vertical shaft, thrust bearing and plain bearing,

	<p>emitting system and Support bracket system are to be thoroughly inspected and necessary replacement/modification and tack welding of bolts is to be done. The shaft straightness are to be checked and if necessary the bend/worn out shaft to be repaired/replaced and complete alignment of the shaft to be done as per the instruction of EIC. Shaft insulators (if found damaged) is to be replaced by a new one. Repair/replacement of Vertical shaft, corona shields are to be checked & replacement done if required. Checking of hammer for play in bush and pin looseness, removal of damage hammer by gas cutting, positioning of new hammer with full tightening of nuts and checking of hammer for freeness and straightening with respect to the Emitting frame. Rapping shaft rotation to be checked and ensure for every hammer hitting position with respective Emitting frame position correctly. Replacement of pin wheel (Big/Small), bush bearing, inner arm, outer arm and plain bearing to be done as per condition based & instruction of EIC.</p>
10	<p>INSPECTION & RECTIFICATION OF COLLECTING ELECTRODE RAPPING MECHANISM AND GDRM</p> <ul style="list-style-type: none"> The complete collecting electrode rapping mechanism with all its plain bearing, inner arm, outer arm, shock bar, shock pad, shock bar guide assembly (Rapping and non-rapping side) and its attachment are to be thoroughly inspected and necessary replacement/modification and tack welding of bolts are to be done as per the instruction of EIC. The shaft straightness are to be made and if necessary the bend/worn out shaft to be repaired/replaced and complete alignment of the shaft to be done as per the instruction of EIC. Checking of hammer for play in bush and Pin looseness, removal of damage hammer by gas cutting, positioning of new hammer with full tightening of nuts and checking of hammer for freeness and straightening with respect to the shock bar, checking/replacement of plain bearing, inner arm checking, Straightening of misaligned shock bar and its assembly are to be done and gap between the electrodes to be maintained. The clearance between the shock bar and guide assembly should be measured and modifications to be carried out as per requirement to maintain the required gap. Rapping shaft rotation to be checked and ensure for every hammer hitting position with respective shock bar position correctly for CRM & GDRM. Replacement of plain bearing, inner arm, outer arm, shock pad, shock bar, shock bar guide angle, set rings to be done as per condition based & instruction of EIC. Extra support for shock bar guide angle to be provided in all fields as instruction of EIC.
11	<p>Rectification of CRM motor, gear, coupling etc: Checking of motor, coupling, Gearbox servicing, bearing replacement if any with its all accessories checking and rectification if any.</p>
12	<p>Rectification of ERM motor, gear, coupling etc: Checking of motor, coupling, Gearbox servicing, bearing replacement if any with its all accessories checking and rectification if any.</p>
13	<p>Rectification of GDRM motor, gear, coupling etc: Checking of motor, coupling, Gearbox servicing, bearing replacement if any with its all accessories checking and rectification if any.</p>
14	<p>RECTIFICATION OF ESP HOPPER</p> <ul style="list-style-type: none"> The job involves inspection of hopper welding joint. All air ingress & leakages are to be arrested. Measurement will be in Running Mtr. of welding area. If hopper plate is eroded, Cut and remove the eroded portion of hopper plate, Cut new piece of plate of required shape/profile of thickness 06/08 mm (to be provided by OPGC LTD). Fix the cut piece of plate in the position and complete the welding.

TECHNICAL SPECIFICATION OF ELECTROSTATIC PRECIPITATOR:

Type of ESP – Bhel Make ESP for OPGC Ib valley 2x660MW unit #3&4
Manufacturer - M/S BHEL, Ranipet

LIST OF CONSUMABLES

This list is only indicative and not exhaustive. Arrangement for other consumables required for timely completion of the job shall be the responsibility of the contractor and shall be arranged by him.

1. Kerosene/Diesel, Petrol and Rustolene.
2. Hacksaw blades.
3. Cotton waste.
4. Marking cloth and Old cloth.
5. Prussian blue.
6. Cutting & Grinding wheels. (BOSCH/NORTON/CUMI)
7. Oil stones.
8. Teflon tapes (1", 1/2")
9. Emery Cloths (fine, medium and coarse)
10. Oxygen and D/A cylinders.
11. Coir rope & Manila Rope.
12. 6013 & 7018 welding electrodes (ESSAB / D&H / ADVANI make only).
13. Polythene sheets.
14. Hand gloves (Asbestos, Cotton, Leather and Rubber),
15. Air hoses (1/2", 3/4", 1")
16. Welding goggles & Helmets.
17. Rustolene
18. Fevicol
19. Quick fix Adhesive
20. Holdtite Liquid
21. LPG cylinder for heating

LIST OF T&P (UNDER CONTRACTOR SCOPE)

Sl. No.	DESCRIPTION	CAPACITY / SIZE	UOM	QTY.
1.	Hydra	14T,with operator front cabin	Nos.	2
2.	Trailor	40ft length	Nos.	1
3.	Pick up vehicle		Nos.	1
4.	O2 analyser	Continuous measurement of O2	Nos.	2
5.	HUCK BOLTING MACHINE		Nos.	2
6.	Life line rope	8mm dia	Mts	500
7.	PP rope	20mm dia	Mts	100
8.	STRECHING DEVICE	For emitting electrode erection	Nos.	4
9.	Puff rivet gun	For riveting purpose(As per side requirements)	Nos.	2/3
10.	Welding Rectifier (With RCCB)	400 AMPS	Nos.	10
11.	Portable Welding M/C (With	220 V	Nos.	02
12.	CUTTING SET	WITH FIRE ARRESTOR	NOS	10
13.	Chain pulley block	2T to 5T	Nos.	15
14.	Chain pulley block	3T	Nos.	04 Each
15.	Chain pulley block	5T	Nos.	05 Each
16.	Pulling lifting m/c (Hook-Chuck)	3T & 5T	Nos.	01 Each
17.	D/E Open spanners	6x7 to 30X32	Set.	04 Each
18.	D/E Ring spanners	6x7 to 30X32	Set.	04 Each
19.	Box Spanner	6 to 32	Set	01 Each
20.	Adjustable Spanner	12" , 6"	Nos.	04 Each
21.	Pipe Wrench	12", 6"	Nos.	03 Each
22.	Screw Driver	12", 8"	Nos.	04 Each
23.	Combination & Nose Pliers	8" ,6"	Nos.	02 Each
24.	Outside & Inside circlip Pliers	6", 8", 12"	Nos.	03 Each
25.	Ball Pane Hammer	1.5lbs	Nos.	04
26.	Wooden Hammer		Nos.	06
27.	File (Flat, Round, Half round)	300 mm	Nos.	04 Each
28.	Needle File set	300 mm	Set	03 Each
29.	Feeler Gauge	6".12:	Nos	01 Each
30.	Tap Set (Metric size)	6, 10, 12, 16, 20, 24, 30, 33, 36, 39, 45	Nos.	02 Each
31.	Tap Set (Metric size)	M12X1.25 & M16X1.25	Nos.	01 Each
32.	Allen Key Set	Up to 30 mm and Inch	Set	02 Each
33.	Gas cutting set with back fire		Set	06
34.	Welding Cable	400 amps	Mtr.	400
35.	Welding Cable	600 amps	Mtr.	200
36.	Plum bob		Nos.	01
37.	Shim Cutter		Nos.	04
38.	Angle Grinder AG 4, AG 5 & AG 7		Nos.	02 Each
39.	Straight Grinder GQ - 4		Nos.	02
40.	Hand Drill M/C (up to 12 mm)		Nos.	02
41.	Drill Bit up to 08 mm	Assorted Size	Nos.	03 Each
42.	Drill Bit up to 08-12 mm	Assorted Size	Nos.	02 Each

43.	Wire Rope Slings (up to 10 MT)	Assorted Size	Nos.	02 Each
44.	Portable welding electrode oven		Nos.	02
45.	Electric switchboards Single Phase (extension boards with RCCB)		Nos.	4
46.	Electric switchboards three Phase (extension boards with RCCB)		Nos.	6
47.	Floor light arrangements (Hand Lamps etc.)		Nos.	8
48.	Floor light arrangements (24 V)		Nos.	16
49.	Floor light arrangements		Nos.	04

Note:

This list is only indicative and not exhaustive. Arrangement for any other T & P required for timely completion of the job shall be the responsibility of the Contractor and shall be arranged by him at his own cost.

SPECIAL TERMS & CONDITIONS OF CONTRACT

1. Contractor has to deploy administrative manpower (like- Supervisor, Electrician, store keeper etc.) at his own cost for smooth execution of the work.
2. Since the jobs are to be carried out 24X7, the Contractor should also ensure availability of his consumable and T&P round the clock (i.e. 24x7), Upto field charging
3. The contractor will have to arrange all consumables as required for completion of job. Any other consumable, which will go permanently with the machine, will be supplied by OPGC LTD. Arrangement of any other consumables required for timely completion of the job shall be the responsibility of the Contractor. Contractor has to ensure availability of Consumables and T & P.
4. Contractor has to ensure availability of welding equipments, oxyacetylene set at site during the Welding consumables and oxygen and LPG to be arranged by the Contractor. Only those welding electrodes listed in the approved list of OPGC LTD are to be used. All general purpose electrodes (for e.g. E-6013 & 7018 etc.) shall be under Contractor's scope.
5. In case of extreme emergency, in a situation, where in the Contractor is unable to arrange DA & LPG, OPGC LTD will provide the same on chargeable basis with 100% overheads on the actual OPGC LTD rates.
6. Special tools and tackles supplied by equipment manufacturer will be provided by OPGC LTD. A tentative list of T&P to be mobilized by the Contractor is enclosed. However in case of extreme emergencies depending upon the availability of the same with OPGC LTD, T&P items like welding machine, grinding machine, chain pulley block etc. may be issued to the contractor on chargeable basis.
7. Special fixtures for assembly and dismantling of equipments available with OPGC LTD will be supplied by OPGC LTD. Any other fixtures as and when required will have to be fabricated by Contractor free of cost.
8. All lifting equipments and tools (chain pulley blocks, lifting & pulling machine, slings etc.) for the job will have to be arranged by the Contractor. All such tools have to be load tested and certified by the Competent Authority (as per Factories act) before being deployed for the job.
9. Portable machines like grinders, portable drill machines, blowers etc. and their consumables like grinding wheels, cut off wheels, mounted point tools, buffing wheels, drill bits etc. will be arranged by the Contractor.
10. Contractor has to ensure the healthiness of all electrical appliances i.e. equipments / Tools, movable lighting system etc. OPGC LTD will provide the existing electrical points near by the work.

11. Scaffolding/ working platforms required for the job will have to be erected by the Contractor with his own manpower, material shall be provided by OPGC LTD on free of cost.
12. Lighting at work site will be Contractor's responsibility for which power supply of 220V will be provided by OPGC LTD free of cost. 24V supply will be permitted for lighting in confined spaces. Contractor has to ensure availability of 220V/24V transformers and bulbs for the purpose. Welding Machine & Extension boards with ELCB are only permitted.
13. For the spares used, record is to be maintained and submitted at the time of billing. The damaged bearings and other spares replaced are to be kept in Contractor's custody and should be deposited to OPGC LTD stores immediately after the completion of work. The stock of the damaged spares will be cross-checked with the spares issued. If the Contractor fails to do so, the cost of the spares will be deducted from the Contractor's bill. The Contractor must return the unused spares issued.
14. Transportation of material to/from central stores and from/to site stores or site or workshop will be Contractor's responsibility. Material handling equipment like hydra, cranes, forklifts etc. wherever required will be provided by OPGC LTD.
15. Accommodation for all employees shall be under the scope of contractor.
16. The contractor should not engage any subcontractor for the awarded contract. All the official communication, bills, wage sheet etc. must be on contractor's letter head.

SAFETY, HEALTH & ENVIRONMENT

1. The contractor shall ensure compliance with all the Acts, Rules & Regulations pertaining to HSE (Health, Safety & Environment) as applicable from time to time. The contractor shall be fully responsible for the safety of his workmen & shall take necessary precaution to avoid any accident.
2. The contractor has to deploy safety supervisor. All employees of the contractors shall undergo the safety induction before the start of the job. (CLASS ROOM TRAINING 1 DAY)
3. The contractor's workmen will be required to work at various heights, location & in vicinity of rotating/running/charged equipments and also equipments in not working conditions. He should also give proper instructions to his workmen to be careful to avoid accident.
4. The contractor shall arrange proper and sufficient no of PPE appliances such as hand gloves , helmets, nose mask, ear muffs, safety shoe, safety belts (double life protection) etc. & first aid box and ensure that his workmen use them during execution of work.
5. **Electrical Appliances:** The contractors have to ensure that all the electrical equipment/gadget used by them are ISI marked only. All the electrical work should be carried out as per the norms in the Indian Electricity Act, 2003 and Indian Electricity Rules, 1956. All types of electrical equipment should be provided with ELCB/RCCB & body earthing. Only authorized persons should be engaged for any kind of repair, maintenance job.
6. **Industrial Gas Cylinders:** All types of Gas cylinders should be handled in proper manner with safety cap on it.
7. **Tools & Tackles:** Valid test certificates for all lifting/pulling T&Ps are to be submitted by the contractor before starting of work. The Test Certificates of All Lifting Tools & Tackles to be submitted by the contractor before starting the job.
8. Any violation in the safety norms like not using PPE at the work, a token of penalty will be imposed as deemed fit by the OPGC LTD's Safety Officer.
9. Compliance with statutory rules, regulation and local conditions: The contractor shall comply with provision of all statutory rules, regulations and acts as applicable from time to time.
10. All inflammable materials should be removed from the vicinity of the place where sparks/hot metal from welding/gas cutting/grinding are likely to fall. Coverings are to be provided for inflammable materials for permanent installations.
11. D/A carrying hoses should be kept away from the welding cables & should have flash back arrester. The hoses should be healthy with proper clamping to prevent chances of gas leaks. Gas cylinders should not be rolled on the ground or carried on bicycle. Trolleys

should be used for their transportation. For lifting and lowering the cylinders proper cage should be used.

12. Working platforms at height should have adequate space and proper railings. Toe Guards should be provided in the platforms. Proper approach should be made up to the work area. Scaffoldings and platforms should be properly supported. Contractor has to ensure that workmen working at heights should wear safety belts.
13. The used cotton waste, cloth or muslin contaminated with used/ waste oil should be properly disposed at designated place and finally carried over to the stores at the storage facility before being finally disposed in accordance to the statutory environment regulations.
14. Contractor has to ensure that all man and material have been cleared from the work site after completion of work and before trial of the equipment.
15. **Indemnity:** OPGC LTD shall not be responsible for any accident to the labor employed by the contractor. The Contractor shall provide necessary Medical aid to his workmen at his own cost during any incident/accident at site. The contractor shall be responsible for all risk involved, liabilities & obligation arising out of the contractor under any provision of law in force from time to time.

MANPOWER

1. The Contractor should clearly understand that close and technically competent supervision of work is an extremely important part of the work specified in this contract. The Contractor shall have a site-in-charge exclusively for the contract. In addition to the site-in-charge, the Contractor has to ensure supervision of work in progress by deploying technically competent site supervisor. The site-in-charge of the Contractor shall authorize his representative to collect/return materials from/to OPGC LTD as per requirement of work.
2. The job is of skilled nature and manpower with suitable requisite skill and experience only shall be permitted to be deployed. The manpower engaged should be as per the category mentioned and experience, which will be ensured by OPGC LTD through interviewing the person. Contractor has to ensure that the credentials and certificates of the welders deployed for welding work are submitted to OPGC LTD / FQA and are to be vetted by them before the start of work.
3. The contractor has to mobilize adequate human resource to carry out the job on day & night shifts on all days including Sundays, holidays and national holidays.

SCHEDULE

1. Schedule is the essence of the Contractor. The contractor has to complete overhauling maintenance activity within the time period as per instructions and time schedule given by the EIC. If contractor's fails to do the job, OPGC LTD will get the work done by other Contractor at the risk and cost of the contractor. Further OPGC LTD shall penalize the contractor for non-executed activity / sub activity at twice the expenditure incurred amount for carrying out the activity / sub activity. The decision of EIC on this regard shall be final and binding on the contractor.
2. Contractor has to mobilize his resources after getting the notice from EIC, and if fails, a penalty @ 5% per day of the job's value shall be imposed. In case the contractor fails to execute the job and then the work will be get done by OPGC LTD and cost of the same shall be recovered along with penalty from contractor's RA bills.
3. It is to be noted that the rates of activity are to be read in conjunction to the attached detailed scope work. The elements for which description is not clear to the contractor, job shall be taken up only after recording clear understanding of scope. The decision of EIC in this regard shall be final and binding on the contractor.

MOBILISATION OF MANPOWER

Following documents are required before mobilizing the Manpower:

1. Photo Stamp size -2 Nos
1. PF Code No. and photo copy for evidence.
2. Un-named Insurance Policy WC & GPAI (As per wage categorized manpower, Min sum assured Rs.8,00,000.00 each, 50% as a GPA and 50% as a WC) or as per company policy and rules regulations.
3. Labor License (If 20 or more than 20 Labor engaged).
4. Register & Records which are required to maintain by the Contractor:
 - i. Register of Master Roll (Attendance Sheet). Form – XVI.
 - ii. Workmen Register – Form – XIII.
5. Purchase Order copy.
6. Gate Pass issuance after getting details in prescribed format as enclosed with ID Proof.
7. The contractor shall mobilize their resources which include both manpower and T&P in advance as per the scheduled unit overhauling date and mentioned in scope of work where ever mention for particular job/activity. All T&P & manpower gate passes should be ready and contractor has to submit a copy of all gate passes to EIC or his representative before shutdown of the unit.

Following documents are required for Billing:

1. Register of Wages sheet – Form – XVII
2. Overtime Register – Form – XXIII (If required)
3. Cancel Gate pass Photo copy
4. No dues from BMD, Central Store (OPGC LTD)
5. Certification of Job from EIC

Bill of Quantity (BOQ) & Price Bid Format

SI No	ACTIVITY DESCRIPTION	UOM	QTY	RATE (Rs.)	VALUE (Rs.)
1.	WATER WASHING & ESP INTERNAL CLEANING	PER FIELD	80		
2.	CLEANING, INSPECTION, REPAIR / RECTIFICATION OF ESP INTERNAL	PER FIELD	80		
3.	Removal and refixing of Hot roof of Pass B of Unit-3 from inlet side 1 To 3 nos	No	24		
4.	Removal and refixing of Cold roof of Pass B of Unit-3 from inlet side 1 To 3 nos	No	24		
5.	Shifting of rectifier and reinstallation during collecting plate erection	nos	6		
6.	REPLACEMENT OF COLLECTING PLATE	PER PLATE	250		
7.	REPLACEMENT OF Emitting electrodes	PER PLATE	200 0		
8.	INSPECTION & RECTIFICATION OF BOWED COLLECTING PLATE	PER PLATE	20		
9.	CHECKING OF GAPS BETWEEN ELECTRODES	PER FIELD	80		
10.	CHECKING OF EMITTING ELECTRODE SPRING BACK	PER FIELD	80		
11.	REPLACEMENT OF SUPPORT / SHAFT INSULATOR	PER INSULATOR	10		
12.	SERVICING OF EMITTING ELECTRODE BALL BEARING HOUSING	PER HOUSING	10		
13.	INSPECTION & RECTIFICATION/replacement if any OF EMITTING RAPPING MECHANISM	PER FIELD	10		
14.	INSPECTION & RECTIFICATION/Replacement if any OF COLLECTING ELECTRODE RAPPING MECHANISM	PER FIELD	10		
15.	RECTIFICATION OF ESP HOPPER	PER Sq METER	2		
16.	Rectification & SERVICING OF CERM GEAR BOX PER GEAR BOX	PER GEAR BOX	5		
17.	Rectification & SERVICING OF EERM GEAR BOX	PER GEAR BOX	5		
18.	Rectification & SERVICING OF GDRM GEAR BOX	PER GEAR BOX	2		
19.	Removal & refixing of Pent house sheeting (Roof Sheet) in Pass -B upto 4 th field	Per sq mts	800		
20.	Removal & refixing of Pent house structure in Pass -B upto 4 th field	Lum sum	Lum sum		
TOTAL VALUE IN RUPEES (EXCLUDING GST)					

Note: Above quoted price is exclusive of GST and shall be extra as applicable (SAC code along with GST % to be indicated)

Rules and Regulations of the e-Reverse Auction

Buyer's Name/Owner	Ib Thermal Power Station (A Unit of Odisha Power Generation Corporation Limited)
Auction To Be Conducted By	MSTC Limited
Name of the work	Overhauling of ESP (02 Part)
Date & Time Of Auction	Auction Date: [To be intimated later] Online e-Reverse Auction Time : [To be intimated later] URL: www.mstcecommerce.com/eprachome/opgc
Special Instructions	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.
Auto Extension of Closing Time	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.
Decremental Value	Minimum decrement is Rs. 10,000/- and in multiples of Rs. 10,000/-
Start Price	The start price shall be confirmed before start of the e-RA and the same should be the lowest IPO/estimated price as decided by OPGC.

- Bidding would be conducted through two (02) stage process comprising of technical bid in which the bidder would be required to provide the details regarding compliance with the eligibility conditions, and financial bid comprising of the Initial Price Offer (IPO) and the Final Price Offer (FPO) through E-RA.
- The IPO is to be submitted along with the tender document separately in a sealed envelope and super scribed with "PRICE BID" along with the tender enquiry number & Name of the work. Both the techno-commercial & price bid envelopes should be kept in a third envelope sealed and super scribed with tender enquiry number and Name of the work.
- The financial bid process will comprise of two rounds. In the first round, the IPO of the techno-commercially qualified bidders will be opened & ranked on the basis of ascending order for determination of qualified bidders. Best five (L-1 to L-5) bidders would be qualified bidders for E-RA and such qualified bidders shall be eligible to participate in the E-RA and submit their FPO with respect to the bid.
- For the proposed e-Reverse Auction, best five (L-1 to L-5) bidders would be qualified bidders for and such qualified bidders shall be eligible to participate in the E-RA.
- Bidders must be a registered user to bid for Buyer ("OPGC") in MSTC portal www.mstcecommerce.com/eprachome/opgc. Bidders need to have their Login ID and Password prior to e-Reverse Auction.
- 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.
- Quotation once submitted through e-Reverse Auction cannot be withdrawn /deleted. Otherwise, the EMD submitted by the bidder shall stand forfeited.
- 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.
- Buyer reserves the rights to extend / cancel the e-Reverse Auction.
- E-Reverse Auction shall be conducted in Indian Rupees only.
- All prices submitted by Bidder in e-Reverse Auction shall be as per Tender's Terms & Conditions.
- Validity of bids: As mentioned in Tender Document.
- Written Confirmation shall be taken in advance regarding participation in the e-Reverse Auction to buyer along with the Authorized person name and details.

14. Buyer reserves the right to award the Purchase Order / Service Order as per buyer's discretion irrespective of Live Auction Rank.
15. Buyer reserves the right to repeat the e-Reverse Auction of same package.
16. **After completion of e-Reverse Auction, 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.**
17. The bidders shall quote from their own offices/ place of their choice. Internet connectivity shall have to be ensured by bidders themselves.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. The total L1 Price obtained through e-Reverse Auction shall be proportionately distributed among each line item in line with the price quoted and evaluated in the hard copy price bid.
24. 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.
25. 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.
26. 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.
27. 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 GST 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 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 7th.Floor, Zone – A, Fortune Towers, Chandrasekharpur, 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 undertake 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) _____
Name _____

(Signature) _____
Name _____

(Designation with Bank
stamp) Official Address
Attorney as per Power of Attorney
No. _____

_ Date _____