



ODISHA POWER GENERATION CORPORATION LIMITED
IB THERMAL POWER STATION
At/PO: BANHARPALI, DIST: JHARSUGUDA – 768 234 (ODISHA)
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NOTICE INVITING TENDER

NIT No. ITPS/Unit -3&4 /2019-20/153

Date:11/10/2019

To,

Sealed bids in prescribed format are invited from bona fide, reputed and registered Agencies / Firms / Companies for execution of the following works at Ib Thermal Power Station, Banaharpali:

Sl. No.	Name of the works	EMD	Contract Period	Date of submission/ Opening
1	Electrical Activity for new Infrastructure area in ITPS Colony	Rs 17,000.00	12 Month	05/11/2019 (3.00P.M)/ 05/11/2019 (3.30P.M.)

In case of discrepancy found between tender document downloaded from website and the master copy in our office, the latter shall prevail. No claim on this account shall be entertained. Complete bids shall be received at Contract Cell Unit 3&4, ITPS. Bids shall also be opened at Contract Cell Unit 3&4, ITPS in presence of the bidders or their authorized representatives if present at the time of opening. If the last date of sale / receipt / opening happens to be a HOLIDAY, the tender will be sold / 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 liable for rejection.

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

AGM-SCM

SAFE AND CLEAN POWER IS OUR COMMITMENT



BID DOCUMENT

Name of work: Electrical Activity for new Infrastructure area in ITPS Colony

CONTENTS

Description	No. of Pages
Copy of Notice Inviting Tender (NIT)	02 Pages
Information to Bidders	02 Pages
General Conditions of Contract	07 Pages
Scope of work & Special Terms and conditions	19 Pages

ODISHA POWER GENERATION CORPORATION LTD.
Ib Thermal Power Station, Banaharpali, Jharsuguda – 768234
(ODISHA)

Email: anup.sawarkar@opgc.co.in; debesh.mohanty@opgc.co.in;
pradipta.mohanty@opgc.co.in; bkmishra@opgc.co.in;



Name of work: “Electrical Activity for new Infrastructure area in ITPS Colony”

Bid Document & Instruction to Bidders

The Bid documents consist of the following documents:

- 1) Copy of NIT
- 2) Instruction to Bidders
- 3) Special Conditions of Contract
- 4) Safety, Health & Environment (SHE) Rules & Regulations for Contractors
- 5) Scope of Work
- 6) Blank Price Bid

The bids complete in all respects must be submitted in two parts namely **Techno-commercial part** and **Price part**. The envelopes containing the respective parts must be sealed and super scribed with tender enquiry number, Name of the work and the name of the part. Both the envelopes should be kept in a third envelope and sealed and super scribed with tender enquiry number and Name of the work.

NB: The bid documents are not transferable.

Techno-Commercial Bid:

The bidder must submit the following along with the techno-commercial bid:

- 1) Cost of Bid Document.
- 2) EMD as per NIT in a closed envelope.
- 3) Photocopies of Registration Certificate, Provident Fund Registration Certificate, IT PAN and GST Registration Certificate.
- 4) Signed & Stamped Bid Document (all pages).
- 5) Filled in and signed Safety, Health & Environment (SHE) Rules & Regulations for Contractors as per Annexure--1
- 6) Filled in and signed formats as specified in Annexure of GCC.
- 7) Credentials in support of qualifying requirements.
- 8) Commercial terms and conditions and deviation statement.
Un-priced Bid showing quoted/not quoted.

Qualifying Requirements:

Annual maintenance contract for Electrical maintenance jobs at ITPS.

- 1) The contractor having H.T. license.
- 2) Have Experience in colony maintenance and inline job for 02 years
- 3) Have calibrated equipment's from STL
- 4) Have P.F. & ESI, work Insurance certificate
- 5) Valid labour license
- 6) The bidders who do not possess the above machineries & equipment's and not willing to arrange the same on hire basis must submit an under taking on non-judicial stamp paper of requisite value

to purchase these machineries & equipments within 10 days after receiving the LOI of the work, otherwise the detailed work order will not be issued to them. The agency Must have executed at least one (01) order of total value of Rs.14 Lacs or more.

or

The agency Must have executed at least two (02) orders, each of total value Rs.9 Lacs or more.

or

Agency Must have executed at least three (03) orders, each of total value Rs.5.5 Lacs or more. Order copies along with satisfactory completion certificate/proof of execution issued by the client to be submitted as supporting documentary evidence along with the technical bid.

- 7) Average Annual financial turnover during the last three years, (2016-17, 2017-18 and 2018-19) should be Rs.10 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.
- 8) The bidder should not have been black listed in last five years, nor should have faced any order cancellation. Self-declaration in company's letter head to be submitted in the technical bid.

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

The bidders who are found qualified in the Techno-commercial bid will be invited for the opening of the price bids.

Price Bid

- 1) Original price bid duly filled in, signed & stamped on each page shall be submitted as per Bill of quantities given in bid document. Any breakup (if required) must be submitted separately. The rates offered by the bidder shall be clearly written in English (clearly handwritten 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.
- 2) Insertion, postscript, addition and alteration shall not be accepted after submission of the bid.
- 3) The quoted price shall be **all-inclusive basis except GST** (Taxes, duties, other government levies etc.) and shall remain firm during entire tenure of the contract and shall not be revised under any circumstances for whatsoever reason except as given in (4) below. GST applicability and rate of GST should be shown separately and shall be paid against documentary evidence.
 - a. Any increase / decrease in the Service Tax, Cess and other taxes thereon will be reimbursed / adjusted as per actual against documentary evidence.
 - b. Additional amount due to imposition of new tax by Govt. relevant to this work will be reimbursed by OPGC as per actual against documentary evidence.
 - c. Any change in Income Tax will be borne by the Contractor.
 - d. Quoted rate (valid on the date of opening of tender) shall be treated as base price and **all-inclusive basis except GST**.
 - e. Any additional payment due to change in tax structure will be admissible if the change is effective during the scheduled completion period. No such extra payment shall be made beyond the stipulated completion date if the delay is due to the fault of the contractor. No claim shall be admissible after completion of work.
- 4) No deviation shall be allowed in the price bid.
- 5) The prices quoted in the hard copy of price bid shall be taken as final & binding.

Instruction to the Bidders

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.

- a) OPGC reserves the right to evaluate the quotation on such deviations having financial implications by adding the cost determined by OPGC.
- b) 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 cost.
- c) Before quoting the rates the Bidder should go through the specifications, scope of work etc. and get himself fully conversant with them. The bid should **include the cost of mobilization and cost to adhere to all safety norms** as described in the tender. No relaxation or request for revision of quoted/accepted rates shall be entertained subsequent to the opening of bid on account of the mobilization or Safety costs.
- d) 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 the Engineer in charge.
- e) 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.
- f) Bidder shall also indicate the cost of PPEs (in %) included in the Price Bid.
- g) OPGC reserves the rights to split the scope & quantity to more than one agency among the bidders
- h) OPGC reserves the rights to cancel the tender without assigning any reasons thereof
- i) 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.

Disclaimer:

These documents are published in our website only for the purpose of bidders interested to participate in the Tender. OPGC shall not be held responsible in any manner in the event of any unauthorized usages of these documents other than the intended purpose.

GENERAL CONDITIONS OF CONTRACT



ODISHA POWER GENERATION CORPORATION LIMITED
Ib Thermal Power Station, Banaharpali, Jharsuguda – 768234
(ODISHA)

NOTICE INVITING TENDER

1. Tenders are invited on behalf of the OPGC Ltd. for the work “Electrical Activity for new Infrastructure area in ITPS Colony”
2. The Tender & rates shall be in the prescribed form provided by OPGC.
3. The works are required to be carried out for 12 months.
4. Normally Bidders having corresponding class of license, PF Code, valid IT PAN & GST Registration certificate, 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.05/11/2019.
7. A Bidder shall possess IT PAN, GST registration certificate, PF Registration certificate and Service Tax Registration certificate.
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. 05/11/2019 and shall be opened at 3.30 P.M on the same day 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 17,000.00. The Earnest Money offered shall be in shape of Demand Draft / Pay Order 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 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. All/Any taxes on materials in respect of this Contract shall be payable by the Contractor except GST 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 will be made within 30 days after completion of the job.

b. Balance 10% will be made after 12 months from the date of completion of the job.

38. 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.

For and on behalf of ODISHA Power Generation Corporation Ltd.

Signature...Sd/-

Designation: AGM-SCM
Contract Cell Unit 3&4, ITPS.

Date:



SCOPE OF WORK

Name of work: Electrical Activity for New Infrastructure Area in ITPS Colony

Sl.No	Description
1	The Scope of work covers maintenance and operation of Electrical system at inside and outside of ITPS Township.
2	The scope includes supply or engagement of man power and supply of materials for day to day operation and maintenance work of electrical installation of ITPS Township as mention in the major works to be cover and Area to be cover as per Annexure- 1 & Annexure- 2 respectively.
3	All the manpower engaged for the job is to be selected as per the EIC, after checking of their relevant document and interview as per the direction of EIC.
4	All materials as per the specification and make to be as per the direction and recommendation of the EIC.
5	The make and model of all items must be as per site requirement and direction of EIC.
6	The minimum stock of 10% for all supply items must be maintained at their own site store and issued to OPGC with maintaining proper record by the agency with their own man power.
7	The materials order by the EIC as per requirement must be supplied within 24 hours.
8	The contractor must execute any quantity or any item of work which is not specifically mentioned but as and when required for the work.
9	The agency has to provide all require PPEs to the workers as and when require.
10	The agency has to arrange all tools and equipment require for all types of jobs and maintain its healthiness throughout the period of job.

SPECIAL CONDITIONS OF CONTRACT

Name of Work: - Electrical Activity for New Infrastructure Area in ITPS Colony

- 1) The period of contract is One Years from the date of start the contract. The Contractor should mobilize all their recourses prior to the work commencement date.
- 2) It is a work contract. The prices quoted by the contractor will remain firm throughout the contract period. Any changes in minimum wages or material rates during the contract period as mentioned in point no 1, shall be borne by the contractor.
- 3) The contractor is required to mobilize his men, materials, plant & equipment at his work site within 07 days of intimation to start the work, failing which the Engineer-In-Charge will annul the contract agreement at his discretion. In the event of any such annulment, the owner reserves the right to recover the cost and other financial losses from the contractor in any manner deemed legally correct besides forfeiture of the EMD converted as ISD. The onus of proving that the delay in mobilization was beyond the control lies with the contractor. The Engineer-in-charge after satisfying himself with the reason for the delay if any may allow extension of time to avoid the annulment of the contract.
- 4) The contractor has to mobilize all the tools and plants as listed in Technical Specification prior to start of work and maintain its availability and healthiness of the same throughout the contract period, failing which penalty as deemed suitable will be imposed as per the discretion of EIC.
- 5) The contractor shall be fully responsible for his workers with regards to terms of employment. OPGC will not be held responsible in any manner whatsoever in respect of worker engaged by the contractor. The contractor should issue Photo ID cards to all his workmen and produce the same as and when required for EIC for verification.
- 6) 5% of the gross bill amount shall be withheld towards statutory dues, which will be refunded after submission of authenticate document by the contractor.
- 7) 5% of gross monthly bill will be deducted towards security deposit (SD), which will be released after final bill is settled.
- 8) Monthly Running Bill shall be paid to the contractor after submission of Bill along with prescribed measurement, material statement and statutory documents.
- 9) The contractor shall disburse the wages to the worker on or before 7th day of completion of the wage period through Bank Payment. On failure penalty @ one percent per day subject to maximum five percent of the wages of last wage period shall be imposed. It is the responsibility of the contractor to ensure presence of representative of the principal employer during disbursement of all type of payment to his workers.
- 10) The Contractor shall disburse the statutory benefits like bonus, leave encashment etc. of the workers after completion of each year of work. On failure penalty @ one percent per month subject to maximum five percent of the total dues shall be imposed. It is the

responsibility of the contractor to ensure presence of representative of the principal employer during disbursement of all type of payment to his workers.

- 11) In the event failure of contractor to undertake/attend to any job, supply of materials/spares, engagement of required in-line experience manpower during emergency / unforeseen jobs etc as specified under the scope within the specified time period, the Engineer-in-charge shall have the right to levy penalty as deemed suitable equal to 10% of the cost for that item of work/ material. Accordingly, the actual billing amount shall stand reduced to the extent of penalty cost imposed/recovered.
- 12) If any other item which is not mentioned in the bill of quantities, but is required to be executed for maintenance work, the agency will have to execute the same at the schedule of rate of Govt. of Odisha / approved rate of OPGC.
- 13) The contractor shall abide by the “EHS policy” and General Guidelines for Environmental protection of OPGC.
- 14) Group Insurance Policy of the workman engaged in the work is mandatory.
- 15) The contractor shall abide by the legal provisions with regards to Health, welfare and safety of workers engaged by him He is also responsible for medical care of the person engaged by him.
- 16) All the staff and workmen as mentioned in the scope of work must undergo safety training.
- 17) Uniform with Florescent Jacket (Once in year) is to be provided to all the workmen by the contractor.
- 18) The contractor should have Valid GST / IT PAN & Labour license.
- 19) The contractor should have minimum 02 years in line experience for the work (HT / LT Electrical maintenance in a big Township).
- 20) The contractor should have valid HT license of Electrical Licenses Board of Orissa.
- 21) The contractor should have workman permit A / B / C from ELBO for the work.

TECHNICAL SPECIFICATION

Name of Work: - Electrical Activity for new Infrastructure area in ITPS Colony

1. The contractor must engage of skilled "C" class lineman/ "B" class wireman for each shift operation (A/B/C) and general shift through the year.
2. The contractor must engage one no. supervisor (Skilled Category) having diploma in electrical engineering with minimum 02-year experience and one no. semiskilled workmen in general shift.
3. As and when required, the contractor must give required manpower to cater the emergency and unforeseen jobs round the clock throughout the year.
4. All materials required for the job will be supplied by the agency as per BOQ.
5. All materials to be supply must be the make and model order by the EIC as per site requirement and also having ISI marked.
6. The following minimum tools and plants will be arranged by the contractor to use in the day to day maintenance jobs as mentioned in the major work to be cover in Annexure-1. The contractor has to build cost of tools & plants in the item rates in the BOQ. No separate payment will be made for utilization the T&Ps.
7. Tools and plant: -

Tools & Plants for AMC contract				
Contractor should have following T & P for smooth maintenance of Colony				
Sl.No	Item Description	Unit	No	Remarks
1	Multi meter	Nos	2	Certified by STL BBSR / Authorized agency
2	Tongue Tester	Nos	1	Certified by STL BBSR / Authorized agency
3	Insulation plier	Nos	2	Taparia/ Jhalani/Everest/Snap On/Meckaster/Equivalent make
4	Insulation Screw Driver 8"	Nos	2	Taparia/ Jhalani/Everest/Snap On/Meckaster/Equivalent make
5	Insulation Screw Driver 10"	Nos	2	Taparia/ Jhalani/Everest/Snap On/Meckaster/Equivalent make
6	Good quality tools bag	Nos	2	Taparia/ Jhalani/Everest/Snap On/Meckaster/Equivalent make
7	Ring spanner set (Jalani)	Set	1	Taparia/ Jhalani/Everest/Snap On/Meckaster/Equivalent make
8	D- spanner Set (Taparia)	Set	1	Taparia/ Jhalani/Everest/Snap On/Meckaster/Equivalent make
9	Box spanner set (Taparia)	Set	1	Taparia/ Jhalani/Everest/Snap On/Meckaster/Equivalent make

10	Allen key set (Taparia)	Set	1	Taparia/ Jhalani/Everest/Snap On/Meckaster/Equivalent make
11	Crimping tools (1 to 25 sqmm)	Nos	1	Taparia/ equivalent make
12	Slidge wrench 8"	Nos	1	Taparia/ equivalent make
13	Good quality torch light	Nos	1	Everady/Jeep/Nippon/Taparia/ equivalent make
14	Full body harness	Nos	1	Karam/Udyogi/3MTaparia/ equivalent make
15	Umbrella/ Rain wear	Nos	2	KC Pal/Duckback/Reputed make

8. All the tools and plants should have tested/calibrated certificate and contractor have to maintain the record of testing/calibration etc. The calibration/testing reports will be provided by the contractor to OPGC.
9. Valid license of the contractor & Electricians.
 - A) Contractor—HT License
 - B) Skilled Electrician (General Shift) -- 'C' Lineman/ 'B' wiremen, having minimum of 3 years of inline experience.
 - C) Supervisor – Diploma in Electrical Engineering and having minimum 2 years' inline experience.
 - D) Deployment of all work person will be as per direction of EIC.
10. The contractor must issue minimum PPE's (like-Helmet, Goggle, dust mask, shoe & hand gloves) & uniform to all staff & maintain PPE's issue register. The cost of which enclosed in the item rate of BOQ.
11. The contractor should have minimum 02 years in line experience for the work to maintenance in a big township.
12. Specification and make of materials
13. Any spare/ consumables which does not meet the make/specification should be approved by the EIC prior to its procurement to site for installation

Sl. No	Detail Description	Specification/ Model	Make
1	Supply and fixing of Modular Switch 6 amp of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	5/6/10 Amp Modular type, ISI marked	Anchor/Cona/Havells/Legrand/C&S/L&T
2	Supply and fixing of Modular Switch 16/20 amp of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	16/20/25 Amp Modular type, ISI Marked	Anchor/Cona/Havells/Legrand/C&S/L&T
3	Supply and fixing of Modular two way switch 6 amp of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	5/6/10 Amp Modular type, ISI marked	Anchor/Cona/Havells/Legrand/C&S/L&T
4	Supply and fixing of Modular Socket 5pin 6amp of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	5/6/10 Amp Modular type, ISI marked	Anchor/Cona/Havells/Legrand/C&S/L&T
5	Supply and fixing of Modular socket 5pin 16/20amp of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	16/20/25 Amp Modular type, ISI Marked	Anchor/Cona/Havells/Legrand/C&S/L&T
6	Supply and fixing of Angle holder of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	6 Amp, ISI Marked	Anchor/Cona/Havells/Legrand/C&S/L&T
7	Supply and fixing of CFL, 20 watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	20 Watt, 6500K, 1120 lumen, B22/E27	Philips/Bajaj/C&S/Surya/Havells/Wipro
8	Supply and fixing of CFL cross pin type 18 watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	18 Watt, 6500K, 1120 lumen, 2Pin-G24 D2	Philips/Bajaj/C&S/Surya/Havells/Wipro
9	Supply and fixing of CFL 4 pin Type 36 watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	36 Watt, 6500K, 2900 lumen, 4Pin-G11	Philips/Bajaj/C&S/Surya/Havells/Wipro
10	Supply and fixing of Tube light 40/36 Watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	40 Watt, T12 Tube	Philips/Bajaj/C&S/Surya/Havells/Wipro
11	Supply and fixing of Tube light 18/20 Watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	18/20 Watt, T8 Tube	Philips/Bajaj/C&S/Surya/Havells/Wipro
12	Supply and fixing of Tube light 28 watt t-5 of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	28 Watt, T5 Tube	Philips/Bajaj/C&S/Surya/Havells/Wipro
13	Supply and fixing of LED Down Light 12 Watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	LED down light fitting 12 Watt	Philips/Bajaj/C&S/Surya/Havells/Wipro
14	Supply and fixing of LED Down light 5 Watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	LED Down light fitting 5 Watt	Philips/Bajaj/C&S/Surya/Havells/Wipro

15	Supply and fixing of Ballast 36/40 watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	36/40 Watt Ballast, copper/Electronic type	Philips/Bajaj/C &S/Surya/Havells/Wipro
16	Supply and fixing of Ballast 28 watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	28 Watt Ballast, copper/Electronic type	Philips/Bajaj/C &S/Surya/Havells/Wipro
17	Supply and fixing of Ballast 18/20 watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	20 Watt Ballast, copper/Electronic type	Philips/Bajaj/C &S/Surya/Havells/Wipro
18	Supply and fixing of Tube light starter of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	230/240Volt, universal, for FTL/ CFL	Philips/Bajaj/C &S/Surya/Havells/Wipro
19	Supply and fixing of 3pin Top 5 Amp of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	3 pin, 5 Amp, ISI marked	Anchor/Cona/Havells/Legrand/C&S/L&T
20	Supply and fixing of 3 pin Top 15 Amp of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	3 pin, 16 Amp, ISI marked	Anchor/Cona/Havells/Legrand/C&S/L&T
21	Supply and fixing of Ceiling rose of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	6 Amp, ISI Marked	Anchor/Cona/Havells/Legrand/C&S/L&T
22	Supply and fixing of Modular Fan Regulator(1 or 2 Mod) of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	5 step regulator, modular type, 1 & 2 mod	Anchor/Cona/Havells/Legrand/C&S/L&T
23	Supply and fixing of PVC insulation Tape of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Colour-RED/BLACK/GREEN/YELLOW/BLUE, ISI Marked, 7mtr length, 18 mm width, 0.125 mm thick	Cona/Anchor/S teelgrip
24	Supply and fixing of RCCB 2 Pole, 2 mod, 40 Amp, 30mA of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	2 pole, 2 mod, 40 Amp, 30 mili amp, 240 Volt, RCCB	Anchor/Cona/Havells/Legrand/C&S/L&T
25	Supply and fixing of ELCB with MCB 40 Amp 30 mA with MCB 4pole of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	40 Amp, 30 mA, 4pole, 440 volt, ELCB	Anchor/Cona/Havells/Legrand/C&S/L&T
26	Supply and fixing of MCB 10 Amp, Single Pole, C-series of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	10 Single Pole MBC, C-series, 230/240 Volt	Anchor/Cona/Havells/Legrand/C&S/L&T
27	Supply and fixing of MCB 16 Amp, Single Pole, C-series of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	16 Single Pole MBC, C-series, 230/240 Volt	Anchor/Cona/Havells/Legrand/C&S/L&T

28	Supply and fixing of MCB 20 Amp, Single Pole, C-series of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	20 Single Pole MBC, C-series, 230/240 Volt	Anchor/Cona/ Havells/Legran d/C&S/L&T
29	Supply and fixing of MCB 32 Amp, Single Pole, C-series of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	32 Single Pole MBC, C-series, 230/240 Volt	Anchor/Cona/ Havells/Legran d/C&S/L&T
30	Supply and fixing of Capacitor 2.5 mfd, 440V (oil type) of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Oil filled type, 2.5 Mfd, 440Volt	Universal/Have lls
31	Supply and fixing of Cincluding alling Bell (Ding Dong type) of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Calling Bell, Ding dong type	Anchor/Cona/ Havells/Legran d/C&S/L&T
32	Supply and fixing of Modular Bell Push Switch of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	5/6/10 Amp Modular type, ISI marked	Anchor/Cona/ Havells/Legran d/C&S/L&T
33	Supply and fixing of Copper insulated wire 1.0 sqmm of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	multistrand, copper, FRLS	Finolex/Havells /KEI/Polycab/R ihno
34	Supply and fixing of Copper insulated wire 1.5 sqmm of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	multistrand, copper, FRLS	Finolex/Havells /KEI/Polycab/R ihno
35	Supply and fixing of Copper insulated wire 2.5 sqmm of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	multistrand, copper, FRLS	Finolex/Havells /KEI/Polycab/R ihno
36	Supply and fixing of Copper insulated wire 4.0 sqmm of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	multistrand, copper, FRLS	Finolex/Havells /KEI/Polycab/R ihno
37	Supply and fixing of Copper insulated wire 6.0 sqmm of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	multistrand, copper, FRLS	Finolex/Havells /KEI/Polycab/R ihno
38	Supply and fixing of Round cord copper cable 3C X 2.5 sqmm of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	multistrand, copper, FRLS	Finolex/Havells /KEI/Polycab/R ihno
39	Supply and fixing of Post top light fitting for Park of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Suitable for 1X 15/20 Watt CFL B-22/E-27 Base	Philips/Bajaj/C &S/Surya/Have lls/Wipro/CG
40	Supply and fixing of Bollard Light of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Suitable for 1X 15/20 Watt CFL B-22/E-27 Base	Philips/Bajaj/C &S/Surya/Have lls/Wipro/CG
41	Supply and fixing of 40 Watt Tube light fitting of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	40 Watt, T- 8/T-12 Tube light fitting complete with Electronic/cop per ballast, starter	Philips/Bajaj/C &S/Surya/Have lls/Wipro/CG

42	Supply and fixing of 28 Watt Tube light fitting of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	28 Watt, T-5 Tube light fitting complete with electronic ballast, starter	Philips/Bajaj/C &S/Surya/Have IIs/Wipro/CG
43	Supply and fixing of Exhaust Fan of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Exhaust Fan, 200 mm, White colour	Philips/Bajaj/C &S/Surya/Have IIs/ CG

Bill of Quantity					
Electrical Activity for New Infrastructures at ITPS Colony					
Sl. No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
1	Engagement of Skilled Electrician (Line man-C/Wireman-B) in shift operation, Having more than 3 years' experience & having knowledge for repair and maintenance of LT distribution system, Street lighting system, House and industrial wiring, including all conveyance, T&P etc. as per direction of EIC.	Nos	1460		
2	Engagement of Semi-Skilled work men for day to day maintenance work. Having more than 2 years' inline experience, including all conveyance, T&P etc. as per direction of EIC.	Nos	365		
3	Engagement of Supervisor having Diploma in electrical Engg. with (2 Years inline Experience in day to day maintenance of Electrical system in a Big Township(more than 500 qtrs), including all conveyance, T&P etc. as per direction of EIC (Skilled Category)	Nos	365		
4	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials the existing manpower will be utilized for fixing the materials as directed by EIC.Capacitor running 10mfd, 6mfd, 4mfd, 2.5 mfd	Nos	10		
5	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials the existing manpower will be utilized for fixing the materials as directed by EIC.Starting capacitor 80/100 mfd & 100/120 mfd	Nos	10		
6	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Capacitor running 36mfd, 45mfd, 50mfd, 50+2mfd, 50+4mfd, 50+6mfd	Nos	10		
7	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Over load Relay 1622	Nos	5		
8	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Sensor(Air/ cooling) for Window AC and Split AC of 1.5 ton & 2 ton	Nos	5		
9	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Contactoer 240 Volt	Nos	2		
10	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower	Nos	4		

	will be utilized for fixing the materials as directed by EIC.Display for split AC and Window AC				
11	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Compressor 1.5 ton	Nos	5		
12	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Compressor 2.0 ton	Nos	5		
13	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Compressor 5.5 ton with stainer drier etc	Nos	1		
14	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Compressor 8.5 ton with stainer srier etc	Nos	1		
15	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Blower for Split AC of 1.5 ton & 2 ton	Nos	2		
16	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Blower for Window AC of 1.5 ton & 2 ton	Nos	2		
17	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Motor of Blower for window AC of 2 ton	Nos	2		
18	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Outdoor Fan motor for split AC 1.5 ton & 2 ton	Nos	2		
19	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.PCB for split AC and window AC of 1.5 ton & 2 ton	Nos	5		

20	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Swing motor for split AC & window AC of 1.5 ton & 2 ton	Nos	2		
21	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Fan Blade for window AC of 1.5 ton & 2 ton	Nos	2		
22	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Outdoor fan blade for Split AC of 1.5 ton & 2 ton	Nos	2		
23	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Condensor for Window AC of 1.5 ton & 2.0 ton	Nos	2		
24	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Cooling coil for Split AC of 1.5 ton & 2.0 ton	Nos	2		
25	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Copper Pipe with insulation of size 5/8", 3/8", 1/2" ,1/4"	ft	100		
26	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Out door stand for split AC	Nos	4		
27	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Split AC charging valve of 1.5 ton & 2.0 ton Split AC	Nos	4		
28	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Split AC drain pipe	Nos	10		
29	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC.Remote for Split AC & window AC of 1.5 ton & 2.0 ton	Nos	2		

30	Supply and fixing of following defective spare parts in 1.5/2 ton Air Conditioner as and when required, with supply of all spare parts material of approved make as advised by EIC, including all conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing the materials as directed by EIC. Capaliry for window AC & Split AC of 1.5 ton & 2.0 ton	Nos	2		
31	Supply and fixing with attending of leakage, vacuumising and recharging of gas for the following Air Conditioners / equipments inside ITPS Colony, complete with supply of R-22 gas/ or other gas of required quantity to ensure proper cooling with brazing of copper pipes including all conveyance, labour T&P etc the existing manpower will be utilized for fixing the materials as directed by EIC. for 1 to 2 Ton Split / Window / Cassett Air Conditioners	Nos	20		
32	Supply and fixing with attending of leakage, vacuumising and recharging of gas for the following Air Conditioners / equipments inside ITPS Colony, complete with supply of R-22 gas/ or other gas of required quantity to ensure proper cooling with brazing of copper pipes including all conveyance, labour T&P etc the existing manpower will be utilized for fixing the materials as directed by EIC. for 5.5 ton ductable air conditioner	Nos	2		
33	Supply and fixing with attending of leakage, vacuumising and recharging of gas for the following Air Conditioners / equipments inside ITPS Colony, complete with supply of R-22 gas/ or other gas of required quantity to ensure proper cooling with brazing of copper pipes including all conveyance, labour T&P etc the existing manpower will be utilized for fixing the materials as directed by EIC. for 8.5 ton ductable air conditioner	Nos	2		
34	Supply and fixing with attending of leakage, vacuumising and recharging of gas for the following Air Conditioners / equipments inside ITPS Colony, complete with supply of R-22 gas/ or other gas of required quantity to ensure proper cooling with brazing of copper pipes including all conveyance, labour T&P etc the existing manpower will be utilized for fixing the materials as directed by EIC. For Refrigerator	Nos	2		
35	Supply and fixing with attending of leakage, vacuumising and recharging of gas for the following Air Conditioners / equipments inside ITPS Colony, complete with supply of R-22 gas/ or other gas of required quantity to ensure proper cooling with brazing of copper pipes including all conveyance, labour T&P etc the existing manpower will be utilized for fixing the materials as directed by EIC. For Water Cooler	Nos	2		
36	Supply and fixing of Modular Switch 6 amp of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	20		
37	Supply and fixing of Modular Switch 16/20 amp of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	20		
38	Supply and fixing of Modular two way switch 6 amp of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	5		
39	Supply and fixing of Modular Socket 5pin 6amp of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	20		
40	Supply and fixing of Modular socket 5pin 16/20amp of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	20		

41	Supply and fixing of Angle holder of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	20		
42	Supply and fixing of CFL, 20 watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	30		
43	Supply and fixing of CFL cross pin type 18 watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	20		
44	Supply and fixing of CFL 4 pin Type 36 watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	30		
45	Supply and fixing of Tube light 40/36 Watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	200		
46	Supply and fixing of Tube light 18/20 Watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	100		
47	Supply and fixing of Tube light 28 watt t-5 of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	100		
48	Supply and fixing of LED Down Light 12 Watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	5		
49	Supply and fixing of LED Down light 5 Watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	5		
50	Supply and fixing of Ballast 36/40 watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	50		
51	Supply and fixing of Ballast 28 watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	50		
52	Supply and fixing of Ballast 18/20 watt of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	50		
53	Supply and fixing of Tube light starter of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	100		
54	Supply and fixing of 3pin Top 5 Amp of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	10		
55	Supply and fixing of 3 pin Top 15 Amp of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	10		
56	Supply and fixing of Ceiling rose of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	30		

57	Supply and fixing of Modular Fan Regulator(1 or 2 Mod) of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	30		
58	Supply and fixing of PVC insulation Tape of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	200		
59	Supply and fixing of RCCB 2 Pole, 2 mod, 40 Amp, 30mA of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	5		
60	Supply and fixing of ELCB with MCB 40 Amp 30 mA with MCB 4pole of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	5		
61	Supply and fixing of MCB 10 Amp, Single Pole, C-series of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	20		
62	Supply and fixing of MCB 16 Amp, Single Pole, C-series of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	20		
63	Supply and fixing of MCB 20 Amp, Single Pole, C-series of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	20		
64	Supply and fixing of MCB 32 Amp, Single Pole, C-series of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	20		
65	Supply and fixing of Capacitor 2.5 mfd, 440V (oil type) of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	100		
66	Supply and fixing of Cincluding alling Bell (Ding Dong type) of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	30		
67	Supply and fixing of Modular Bell Push Switch of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	10		
68	Supply and fixing of Copper insulated wire 1.0 sqmm of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Mtr	90		
69	Supply and fixing of Copper insulated wire 1.5 sqmm of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Mtr	90		
70	Supply and fixing of Copper insulated wire 2.5 sqmm of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Mtr	90		
71	Supply and fixing of Copper insulated wire 4.0 sqmm of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Mtr	90		
72	Supply and fixing of Copper insulated wire 6.0 sqmm of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Mtr	90		

73	Supply and fixing of Round cord copper cable 3C X 2.5 sqmm of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Mtr	100		
74	Supply and fixing of Post top light fitting for Park of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	5		
75	Supply and fixing of Bollard Light of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	4		
76	Supply and fixing of 40 Watt Tube light fitting of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	5		
77	Supply and fixing of 28 Watt Tube light fitting of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	5		
78	Supply and fixing of Exhaust Fan of approved make as advice by EIC, including conveyance, labour, T&P, etc. the existing manpower will be utilized for fixing of the materials as per direction of EIC.	Nos	5		
Total (GST Extra as applicable) in Rs					

Bank MANDATE FORM for e-payment

(To be submitted in Duplicate)

To.

Odisha Power Generation Corporation Ltd.,
 IB thermal power station,
 Banharpali,
 Odisha.

Dear Sir,

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

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

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

Name of the Party:

Address of the Party

.....

City Pin Code

E-mail ID

Permanent Account Number

Telephone/Cell No.....

Particulars of Bank :

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

Date from which the mandate should be effective:

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

Place:

Date: Signature of the Party / Authorized Signatory

.....

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

Bank's Stamp:

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

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 _____

PROFORMA OF BANK GUARENTTY FOR CONTRACT PERFORMANCE

(On Non-Judicial Stamp paper of Appropriate Value)

In consideration of OPGC Ltd. Having its registered office at Zone-A, 7th Floor, Fortune Tower, Chandrasekaharpur, Bhubaneswar-751023, Odisha herein-in after called the "Owner" which expression shall unless repugnant to the subject or context include its successor & assignees) having awarded to M/swith 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.

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)

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.

We further agree that the
(Name of Bank)
guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all dues of OPGC have been fully paid and its claims satisfied or discharged until OPGC certifies that the terms & conditions of the said Agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.

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.

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).

Notwithstanding anything contained herein a) Our liability under this bank guarantee shall not exceed Rs..... [Rupees] b) This bank guarantee shall be valid uptoc) 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

Welastly undertake not to revoke this
(Name of Bank)
guarantee during its currency except with the previous consent of the OPGC in writing.
Dated theday of200...

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

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

WITNESS with address
.....
.....

For and on behalf of (the Bank)
Signature
Name
Designation
Authorization No.
.....
Seal of the Bank