



ODISHA POWER TRANSMISSION CORPORATION LTD

OFFICE OF THE DY. GENERAL MANAGER

EHT (O&M) DIVISION, CHAINPAL.

ANGUL

TENDER SPECIFICATION NO. 01 /2014-15

FOR

**ANNUAL MAINTENANCE CONTRACT OF A.C. MACHINES IN DIFFERENT
GRID SUB-STATIONS**

UNDER EHT (O&M) DIVISION, CHAINPAL

DATE OF SALE OF TENDER PAPER: - Dt. 26 /05 / 2014 to Dt. 13 /06 / 2014

(During office hours)

LAST DATE & TIME OF SUBMISSION OF TENDER:- On Dt. 16/06/ 2014 up to 2:00PM

DATE OF OPENING OF TENDER PAPER: - On Dt. 16/06/ 2014 at 3.30PM

COST OF TENDER PAPER : - Rs. 2,000.00+Rs. 100.00 (VAT@5%)

Rs. 2,100.00

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Name of the tenderer:

Full postal address of the tenderer:

Contact telephone/ mobile no.:

E-mail address:

DY. GENERAL MANAGER [ELECT.]

**COMMERCIAL SPECIFICATION
PART-I
SECTION-I
INSTRUCTIONS TO TENDER**

1.Submission of Bids:-

Sealed tenders in duplicate on single part basis, each complete in all respect, in the manner hereinafter specified are to be submitted in the office of Dy. General Manager EHT (O&M), Division, Chainpal on or before the date and time specified against the relevant tender Specification in the notice inviting the tenders. Each copy of the bids (original & duplicate) shall be separate double sealed envelopes super scribed on each of the covers the due date of opening of the bids on the right hand top side of the envelopes. On the left topsides original/duplicate, as relevant, shall be written. **The participants to the tender should have been registered under the Odisha VAT Act and Central Service Tax and must have prior experience of repair and maintenance works of A/C machines (Window/Split/Multi).**

2. Tenders shall be in single Part:

The Tenders are required to submit the tenders in single part with sealed covers.

3. Opening of Bids: _

- (a) The bid shall be opened in the office of the Dy. General Manager EHT (O&M), Division, Chainpal in presence of such of the Tenders or their authorized representatives (limited to one person only) on the due date of opening of tender and after scrutiny of the technical particulars and other commercial terms, clarifications as may be required, shall be sought for from the bidders.
- (b) On receipt of technical clarification the bids shall be reviewed/evaluated and those not in conformity with the technical Specification/qualifying experience, and not accompanied with relevant documents as per clause-'13' shall be rejected. If any of the technical proposals requires modification to make them comparable, discussion will be held with the participating bidders.
- (c) The bidders are required to furnish sufficient information to the Purchaser to establish their qualification/capability to maintain the A.C. Machines, Water coolers & Stabilizers for the year. Such information shall include details of bidder's experience, its financial, managerial and technical capabilities.
- (d) The bidders are also required to furnish details of availability of appropriate technical staff and capabilities to perform maintenance service where applicable. **The above information shall be considered during the first stage of scrutiny and evaluation of bids and any bid, which does not satisfactorily meet these requirements, shall not be considered for price bid evaluation.**

(e) The price bids of the technically and otherwise acceptable bids shall only be evaluated as per the norms applicable in terms of this Specification.

4. **Owner's Right Regarding Alteration of Quantities Tendered:**

The Owner may alter the quantities and/or area at the time of placing orders. Initially the Purchaser may place order for lesser quantity with full freedom to place extension orders for further quantity under similar terms and conditions of the original orders. **Order may also be split among more than one Tender for any particular item if considered necessary in the interest of the owner.**

5. **Procedure & opening time of Tenders:**

Tenders will be opened in the office of the Dy. General Manager EHT (O&M), Division, Chainpal on the specified date and time in presence of such of the Tenders or their authorized representatives (limited to one person only) in case of each bidders who may desire to be present, at the time of opening the bids. The Dy. General Manager EHT (O&M), Division, Chainpal or his authorized representatives will, on opening each bid, read aloud the name of the bidder. He shall also read aloud the attested and un-attested corrections and shall record the number of such corrections on each page of the technical bid over his dated initials and also initial all such corrections.

6. **Eligibility for Submission of Bids:**

Tenderers who have purchased the Specification from the office & deposited the tender cost while submitting the tender will only be considered.

7. **Mode of Submission of Bids:**

- (A) Bids, complete in all respect shall be submitted in person or by registered Post with A.D. Any other mode shall not be accepted. When delivered in person, the tenders shall be received by a responsible officer of the office of the Dy. General Manager EHT (O&M), Division, Chainpal, OPTCL who shall officially acknowledge the receipt of the same. Tenders received after due date and time shall be returned un-opened.
- (B) **Telegraphic, Telephonic or Fax Tenders** shall not be accepted under any circumstances.

8. **Earnest Money Deposit:**

- (i) The tenders are required to **Deposit EMD @ 1%** of the Tender value in shape of Cash/ pay order / Bank Draft in favour of **“DGM, E.H.T. (O&M) DIVISION, OPTCL, CHAINPAL payable at CHAINPAL.** The EMD will be refunded to the unsuccessful bidders on application after finalization of tender. The EMD of successful bidder will be refunded after award of contract and on submission of security deposit. The EMD submitted by the tender alongwith their bids shall not carry any interest from OPTCL. The tender without EMD will be liable for rejection.
- (ii) No interest shall be paid on the Earnest Money Deposit.

(iii) No adjustment towards Earnest Money Deposit shall be permitted against

any outstanding amount with the Odisha Power Transmission Corporation Limited.

- (iv) In the case of un-successful Tenderer the Earnest Money will be refunded immediately after the tender is decided. In the case of successful tenderer, EMD will be refunded only after furnishing of security money referred to at Clause-16 of section-II. Suits if any, arising out of this Clause shall be filed in a Court of Law to which the jurisdiction of high court of Odisha extends.
- (v) Earnest Money will be forfeited if the Tenderer fails to accept the letter of intent and/or purchase orders issued in his favour.
- (vi) Tenders not accompanied by Earnest Money/documentary proof of exemption of E.M.D. shall be summarily rejected.

9. Validity of the Bids:

The tenders should be kept valid for a period of 120 days from the date of opening of the tender as notified in the tender notice failing which the tenders will be rejected.

10. Price: Tenderers are requested to quote FIRM price only.

11. Revision of Tender Price By Bidders:

- (a) After opening of tenders and within the validity period, no reduction or enhancement in price will be entertained. If there is any change in price, the tender shall stand rejected and E.M.D. deposited shall be forfeited. In case of bidders who are exempted from depositing E.M.D. and who revise their price within the validity period, the bids for similar items against subsequent tender call notice of OPTCL, may not be considered.
- (b) If required, the Tenderer may be asked to extend the validity period of bids under the same terms and conditions as per the original tender except for the change in delivery period, In such an event the Tenders are free to change any or all conditions of their bids including price at their own risk.

12. Tenderers to be fully Conversant with the Clauses of the Specification.

Tenderers are expected to be fully conversant with the meaning of all the Clauses of the Specification before submitting their tenders. In case of doubt regarding the meaning of any Clause the Tenderer may seek clarification in writing from the Dy. General Manager EHT (O&M), Division, Chainpal. This however, does not entitle the Tenderer to ask for time beyond due date fixed for receipt of tender.

13. Documents to Accompany Bids:

Tenderers are required to submit tenders in the following manner. Bids not accompanying with the following documents shall be out rightly rejected.

Tender shall contain the following Documents

- i. Declaration Form. (As per Annexure-I)

- ii. Earnest Money deposit as per clause 8 (i) in support of exemption from Earnest Money Deposit if any.
- iii. Technical Specification and Guaranteed Technical Particulars confirming to the Purchaser's Specification along with drawings and literature if any.
- iv. Abstract of terms & Conditions in prescribed Performa as per Annexure-II.

- v. List of orders executed for similar items during preceding two years including the customer's name & P.O. copies & performance certificates.
- vi. Data on past experience as per Clause-6 of Section-II of the Specification.
- vii. Up to date VAT clearance certificates.
- viii. Copy of Pan Card ,VAT & Service Tax Registration Number
- ix. Memorandum of the Association of Articles of the Firm if applicable.
- x. List of personnel on roll to undertake the job.
- xi. All the Enclosures should be self attested.

14. General:

- i) Over writing shall be avoided.
- ii) Erasures and any other changes shall bear the dated initial of the person signing the tender.
- iii) In the event of discrepancy or arithmetical error in the schedule of price,
the decision of the owner shall be final and binding on the Tenderer.
- iv) For evaluation the price mentioned in words shall be taken if there is any difference in figure and words in the price bid.
- v) Notice inviting tender shall from part of this Specification.

**GENERAL MANAGER
DIVISION, CHAINPAL**

**DY.
EHT (O&M)**

PART-I
SECTION-II

GENERAL TERMS & CONDITIONS OF CONTRACT (G.T.C.C.)

1. Scope of the Contract

The Scope of the contract shall be to undertake the maintenance work of the AC Machines & water coolers with stabilizers installed at substations under Dy. General Manager EHT (O&M), Divison, Chainpal (as per Schedule of Quantity of the Specification)as follows:

(A) PREVENTIVE AND ROUTINE CHECKING:

Servicing, checking & maintenance of AC machines including of stabilizers & water coolers once in a quarter (twice between April -July and August-March) installed at different units for smooth operation. **Painting of red oxide primer & enamel paint of approved shade to all the metal parts including body & base plate of all the machines should be done for once in a year.** The acknowledgment must be received from all occupants in this respect in the maintenance register & the photo copies must be produced along with the bills.

(B) BREAKDOWN MAINTENANCE WITH SUPPLY OF FOLLOWING MATERIALS:

MATERIALS	SL No	DESCRIPTION OF WORKS /
	1.	Supply & Replacement of New 1.5 Ton Reciprocating Compressor.
	2.	Supply & Replacement of New 2.0 Ton Reciprocating Compressor.
	3.	Supply & Replacement of New 1.5 Ton Rotary Compressor.
	4.	Supply & Replacement of New 2.0 Ton Rotary Compressor
	5.	Supply & Replacement of 2.5 Ton compressor for 7.5 Ton Duct able A.C.
	6.	Overhauling of outdoor motor/blower motor/ Fan Motor of 1.5/2T AC.
	7.	Overhauling of outdoor motor/blower motor/ Fan Motor of 2.5T & 7.5T AC.

8. Supply & replacement of new outdoor/ blower motor/ Fan Motor of 1.5/ 2 T AC.
 9. Supply & replacement of new outdoor/ blower motor/ Fan Motor of 2.5T& 7.5T AC.
 10. Supply & Replacement of New Starting/Running Capacitor.
 11. Supply & Replacement of New Fan Capacitor.
 12. Supply & Re-filling of New Cooling Gas.
 13. Supply & Replacement of New Cooling Coil.
 14. Supply & Replacement of New Condenser.
 15. Supply & Replacement of New Base plate for Window Machine.
 16. Supply & Replacement of New Bush for Window/ Split Machine.
 17. Supply & Replacement of New Base plate for Split Machine.
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18. Supply & Replacement of New Remote including PCB for Split Machine.
 19. Supply & Replacement of New Transformer in the Stabilizer.
 20. Supply & Replacement of New PCB/ Relay in the stabilizer.
 21. Supply & replacement of controller /PCB in AC Machine
 22. Re-installation of Window A.C. Machines.
 23. Re-installation of Split Machines.
 24. Re-installation of Multi AC Machines.

All old materials are to be deposited at the respective officers in charge.

Additional of Spares: (Supply and Installation)

1. Window A.C. 1.5/2Ton & Split 1.5/2 Ton, 2.5T & 7.5T (Duct able) Multi AC

- Thermostat
- Steiner
- Capillary.
- Swing motor
- Fan blade
- Blower
- Blower motor (white mental bush – 380.00/2pc)
- Motor Bearing.
- Fan Motor rewinding
- Blower motor rewinding
- Discharge pipe (copper – 3/8)
- suction pipe (copper – 5/8)
- Discharge valve
- suction valve
- 32 AMP contactor
- Pipe Insulation tape
- 32 Amp DP switch
- Window front grill for Window type machine
- Window front grill for Split type machine

2. Package Plant – 7.5 Ton

- Fan motor rewinding
- Blower motor rewinding

- Motor bearing
- “V” Belt
- Connector
- Blower
- Fan blade
- Condenser
- Cooling coil
- Contactor – 4 pole 25Amp
- Contactor – 4 pole 10Amp
- MCB – 4 pole 32 Amp
- Controller – 4 pole

2.0 Definition of Terms

For the purpose of this Specification and General Terms & Conditions of Contract (G.T.C.C.) the following words shall have the meaning hereby indicated, except where otherwise described or defined.

2.1 “The Owner” shall mean the Dy. General Manager EHT (O&M), Division, Chainpal for & on behalf of OPTCL.

2.2 “The Engineer” shall mean the engineer appointed by the Owner for the purpose of this contract.

2.3 “Purchaser’s Representative” shall mean any person or persons or consulting firm appointed and remunerated by the

Purchaser to supervise,

inspect, test and examine workmanship and materials of the equipment to be supplied.

2.4 “The Contractor” shall mean the Bidder whose bid has been accepted by the Purchaser and shall include the Bidder’s executives, Administrators, Successors and permitted assigners.

2.5 “Equipment” shall mean and include all machinery, apparatus, Materials, articles to be provided under the contract by the Contractor.

2.6 “Contract Price” shall mean the sum named in or calculated in accordance

with the provisions of the contract as the “Contract Price” which shall include packing, forwarding, freight, insurance excise duty, sales tax Octroi and other taxes and duties as applicable at the time of opening of bids.

2.7 “General Conditions” shall mean these General Terms and Conditions of Contract.

2.8 “The Specification” shall mean the Specification annexed to or issued with G.T.C.C. and shall include the schedules & drawings attached thereto

as well as samples and pattern, if any.

2.9 “Month” shall mean “Calendar month”.

2.10 “Writing” shall include any manuscript, type, written, printed

or other

under seal or

under hand.

- 2.11 F.O.R. Destination Costs” shall mean the cost of equipment and material at the consignee’s stores. The cost is exclusive of Excise duty, sales Tax and other Local Taxes, but is inclusive of packing, forwarding and insurance and freight charges.
- 2.12 The term “Contract documents” shall mean and include G.T.T.C. Specifications, Schedules, Drawings, Forms of Tender, Covering Letter, Schedule of Price of the final successful bidder any special conditions applicable to the particular contract, Specifications and drawings and the purchase order & the agreement to be entered into.
- 2.13 Terms and Conditions not herein defined shall have the same meaning as are assigned to them in the Indian Contract Act, failing that, in the Odisha General Clauses Act.

3. Manner of Execution

All equipments supplied under the contract shall be manufactured in the manner set out in the Specification or where not set out, to the reasonable satisfaction of the Purchaser’s representative. Maintenance work is to be carried out as specified in scope of contract.

4. Inspection of Workshop:

- (i) The Owner’s representative shall be entitled to inspect, examine the Contractor’s Premises to know the performance of the bidder.

5. Rejection of Materials

In the event any of the materials / equipment supplied by the Contractor is found defective due to faulty design, bad workmanship, bad materials used or otherwise not in conformity with the requirements of the Specification, the Purchaser shall either reject the materials/ equipment or ask Contractor in writing to rectify the same. The Contractor on receipt of such notification shall either rectify or replace the defective equipment free of cost of the owner. If the Contractor fails to do so, the Purchaser may:

- (a) As its option, replace or rectify such defective equipment and recover the extra costs so involved from the Contractor plus fifteen percent and/ or.
- (b) Terminate the contract for balance work/ suppliers, with enforcement of penalty Clause as per contract for the un-delivered goods

and with

Guarantee.

considered

forfeiture of performance Guarantee / Composite Bank

- (c) Acquire the defective equipment/ materials at reduced price, equitable under the circumstances.

6. Experience of Bidders:

The bidders should furnish information regarding experience particularly on the following points: -

- (i) Name of the repairer.
- (ii) Standing of the firm.
- (iii) Description of equipment similar to the quoted supplied and performed AMC of AC Machines & Stabilizers during the last two years with the name(s) of the party(s) to whom services were made.
- (iv) If the Firm is having collaboration with another firm(s) details regarding the same.
- (v) A list of Purchaser orders / AMC order executed during the last two years along with user's certificates.

7. Language and Measures

All documents pertaining to the contract including Specifications, Schedule, Notices, Correspondence, Operating & Maintenance instructions, Drawings or any other writing shall be written in English language. The metric system of measurement shall be used exclusively in this contract.

8. Deviation from Specification

It is the in the interest of the Tenderers to study the Specification, works etc. specified in the tender schedule thoroughly before tendering so that, if any deviations are made by the tenderers the same are prominently brought out on a separate sheet under heading "Deviations".

A list of deviation shall be enclosed with the Tender. Unless deviation in scope, technical and commercial stipulations are specifically mentioned in the list of deviations, it shall be presumed that the Tender has accepted all the conditions stipulated in the tender Specification, notwithstanding any exemptions mentioned therein.

9. Right to Reject/ Accept Any Tender

The Purchaser reserves the right either to reject or to accept any or all tenders if the situation so warrants in the interest of the organization. Orders may also be split up between different Tenderers on individual merits of the Tenderer. The Purchaser has exclusive right to alter the quantities of materials at the time of placing final Purchase order. After placing of the order, the Purchaser may defer the delivery of the materials. It may be clearly understood by the Tenderer that the Purchaser need not, assign any reason for the above action(s).

10. Contractor to inform himself fully

The Contractor shall examine the instructions to Tenderers, General Conditions of contract, Specification and the Schedules of Quantity and delivery to satisfy himself as to all terms and conditions and circumstances affecting the contract price. He shall quote price(s) according to his own views on these matters and

understand that additional allowances except as otherwise provided therein will be levied. The Purchaser shall not be responsible for any misunderstanding or incorrect information obtaining by the Contractor other than the information given to be Contractor in writing by the Purchaser.

11. Patent Right Etc:

The Contractor shall indemnify the Purchaser against all claims, actions, suits and proceedings for the infringement or alleged infringement of any patent design or copy right protected either in the country of origin or in India by the use of any equipment/ materials supplied by the Contractor. But such indemnity shall not cover any use of equipment, other than for the purpose indicated by or reasonable to be inferred from the Specification.

12. Completion Period:

- (a) Time being essence of the contract, the equipments/ Repair shall be completed within the completion date specified in the contract.
- (b) The desired completion period shall not ordinarily exceed more than 3 days.

13. Contractor's Default Liability

- (a) The Purchaser may, upon written notice of default to the Contractor, terminate the contract in circumstances detailed hereunder.
 - i. If in the judgment of the Purchaser, the Contractor fails to make delivery of equipment/ completion of repair within the time specified in the contract or within the period for which extension has been granted by the Purchaser in writing in response to written request of the Contractor, &/or.
 - ii. If in the judgment of the Purchaser, the Contractor fails to comply with any of the provisions of this contract.

14. Force Majeure:

The Contractor shall not be liable for any penalty for delay or for failure to perform the contract for reasons of force Majeure such as acts of God, acts of the public enemy, acts of Govt., Fires, Floods, Epidemics, Quarantine restrictions, strikes, freight Embargo, provided that the Contractor shall within ten (10) days from the beginning of such delay notify the Purchaser in writing of the cause of delay, upon which, the Purchaser shall verify the facts and grant such extension as facts justify.

15. Guarantee Period:

The materials and workmanship covered under the contract should be guaranteed for satisfactory operation, against bad design, materials for the period of 12 Months from the date of replacement. Any defect if noticed during this period shall be rectified/ replaced by you free of cost provided such defects are to bad design, manufacturing practice, workmanship or materials used, upon written notice from the purchaser.

16. Security Deposit cum Performance Guarantee: The Tenderers whose offer qualifies for acceptance will be awarded the contract and the contractor shall have to deposit security amount equal to 10% (ten percent) of contract value in shape of Cash / Bank Draft drawn in favour of *paying officer* of OPTCL. The security deposit shall be released after one year of the successful completion of works

subject to fulfillment of the guarantee stated under clause – 15 on receipt of application for this purpose. No interest shall be paid to the contractor towards the security deposit so deposited by the contractor. The security deposit shall be deposited with the *paying officer of OPTCL prior to execution of the contract.*

17. Terms of Payment.

100% payment shall be made within 30 days on quarterly basis (for works involving preventive maintenance and on monthly basis for break down maintenance) only after completion of service period in good order and condition subject to approval of Guarantee Certificates by the purchaser and furnishing of Security Deposit as required under Clause-16 of this Specification. The payment will be made by the concerned Divisional heads/ DDO.

18. Penalty for Delay in Completion Of Contract.

If the Contractor fails to repair the equipments within the completion schedule specified in the contract including time extension, if any, granted thereto, the Purchaser shall recover from the Contractor penalty for a sum of one half of one percent (0.5 percent) of the Ex-works of the total contract value for each calendar week of delay or any part thereof. For this purpose the dates of receipt of complain shall be reckoned as the date of repair. The total amount of penalty shall not exceed five per cent (5%) of the total contract price of the unit or units so delayed.

19. Payment Due from the Contractor.

All costs and damages, for which the Contractor is liable to the Purchaser, will be deducted by the Purchaser from any money due to the Contractor under any of the Contractor(s).

20. VAT Clearance.

VAT clearance certificates valid up to the date of opening of Tender should be enclosed with tender.

21. Contractor's Responsibility:

Notwithstanding anything mentioned in the Specification or subsequent approval or acceptance by the Purchaser, the ultimate responsibility for design, materials used and satisfactory performance shall rest with the Tenderers.

22. Evaluation & Comparison of Bids.

- (i) **Weight age shall be given to the following factors in the Evaluation & Comparison of Bids.**
 - (a) Early completion of Work.
 - (b) Past track records in AMC work of similar items.
 - (c) Deviation in the bid vis-à-vis in the stipulation in the Bid Specification both in Technical and Commercial.
 - (d) In comparing bids and in making awards, the Purchaser may consider such factors as compliance with Specification, relative quality & adaptability of supplies or services, experience, financial soundness, record of integrity in dealings, performance of materials/equipments

earlier supplied, ability to furnish repairs and maintenance services, the time of delivery, capability to perform including available facilities such as adequate shops, plants, equipment and technical organization.

23. Minimum Qualification Criteria of Bidders:

All the prospective bidders are requested to note that their bids can only be considered for evaluation if they had worked at least equal quantity value of the work earlier. Bids not fulfilling these criteria are liable for rejection.

24. Jurisdiction of Court:

In case of any dispute arising between the ordering authority and the firm/supplier, either party can take shelter in the court of law at Talcher in the State of Odisha.

25. Correspondences.

- (a) Any notice to the Contractor under the terms of the contract shall be served by Registered Post or by hand at the Contractor's Principal Place of Business.
- (b) Any notice to the owner shall be served at the Purchaser's Principal officer in the same manner.
- (c)

26. Official Address of the Parties to the Contract.

The address of the parties to the contract shall be specified.

- (i) **Purchaser:** Dy. General Manager EHT (O&M), Division, Chainpal.
- (ii) **Supplier/ Tenderer :**
Address:
Telephone No:
Fax No:

27. Outright Rejection of Tenders.

Tender shall be out rightly rejected if they are not complying with the following requirements:

- (a) Tenderer should have purchased/obtained the Bid specification document from the office of the Purchaser.
- (b) Tenders shall be submitted in person or by **Registered Post with A.D.**
- (c) Tenders shall not be submitted telegraphically or by FAX
- (d) Tenders shall be accompanied by the prescribed Earnest Money Deposit unless otherwise qualified for exemption from furnishing of EMD.
- (e) Tenders shall be kept valid for a period of 120days from the date of opening of Tender.
- (f) Tender shall be submitted in complete shape.
- (g) Tenders shall be accompanied by a list of major works done prior to the date of opening of tender. Data for at least 2 (Two) years would be preferred.
- (h) The schedule of prices should be filled up fully to indicate the breakup of the prices including taxes and duties. Incomplete submission of this schedule will make the tender liable for rejection.

- (i) The tender shall be accompanied copy of Service Tax.
- (j) The firm having registration certificate & copy of PAN Card.
- (k) The firm having registration with VAT & copy of clearance certificate.
- (l) The firm having work experience for similar Air Conditioning Maintenance works. Copy of performance certificate.
- (m) The bidder has not done any legal suit against the organization.
- (n) Declaration form as per Annexure-I.
- (o) Abstract of terms and conditions as per annexure-II.
- (p) Memorandum of Association of Articles of form.
- (q) List of personnel on roll to undertake the job.

28. Documents to be treated as Confidential.

The Contractor shall treat the details of the Specification and other Tender documents as private and confidential and they shall not be reproduced without written authorization from the Purchaser.

29. Scheme/ projects.

The works covered in this Specification shall come under O & M budget of EHT O&M, Division Chainpal under its control.

**Dy. General Manager
EHT (O&M), Division,
Chainpal.**

SECTION-III
TECHNICAL SPECIFICATION AND SCHEDULE OF QUANTITY
LIST OF APPROVED MAKE OF THE ELECTRICAL ITEMS TO BE USED

Sl	Description of Items	Make
1.	1.5T/2T/2.5T/7.5T Reciprocating New	Kirloskar / Techohms / Carrier
2.	Running & Static Capacitor	Sarada / Universal
3.	Voltmeter / Ammeter	AE/EMCO
4.	MCB, RCCB	Havells/ indoasian / L&T

Note: Wherever the make of the material has not been mentioned either in the above list or in the schedule, the same shall confirm to the relevant BIS Specification and such material should be got approved by the concerned Engineer – in – charge before it is utilized in the work.

SCHEDULE OF QUANTITY

**AVAILABILITY OF A.C. MACHINE AT DIFFERENT LOCATIONS OF
(O&M), DIVISION, CHAINPAL,**

Sl	Name of the	No of	Type	Capacity	Make
1	Grid sub-station, Boinda	A.C. – 1 No	Split	2.5T	Carrier, Model no – NH2200BB
		A.C. – 4 Nos	Multi	7.5T	Carrier, Model no – NH2200BB
2	Grid sub-station, Meramundali	A.C. – 1 No	Split	2.5T	Carrier, Model no – NH2200BB
		A.C. – 12 Nos	Multi	7.5T	Carrier, Model no – NH2200BB

Abstract:

2.5T Window AC - 2 nos.
7.5 T Multi AC - 16 nos.

SECTION-IV
PRICE SCHEDULE

(A) PREVENTIVE AND ROUTINE CHECKING: (for grid s/s, Boinda & Meramundali)

SL NO	TYPE OF MACHINE	UNIT	QUANTITY	LUM SUM AMOUNT IN (Rs.) PER YEAR PER MACHINE	TOTAL AMOUNT IN RS
1	7.5 T Multi AC	Nos	16		
2	2.5T Split AC	Nos.	2		
3	TOTAL				
4	Add Service tax as applicable				
5	Grand Total (in Rs)				
6	Or say				

(B) BREAKDOWN OF WORKS WITH SUPPLY OF FOLLOWING SPARES FOR AC MACHINES.

SL	DESCRIPTION OF WORKS	UNIT RATE	UNIT RATE of
1	Supply & Replacement of New 2.5Ton Carrier make Reciprocating Compressor. Mod No- 2100 BB		
2	Supply & replacement of compressor for 7.5 Ton Carrier make Multi A.C. Model no – NH2200BB (of 2.5t each x 3)		
3	Overhauling of outdoor motor/blower motor/		
4	Overhauling of outdoor motor/blower motor/ Fan Motor of 7.5 T AC 1/5 hp, 230v, 1 ph, 149w, 920rpm.		
5	Supply & Replacement of New Starting/Running Capacitor for Compressor		
6	Supply & Replacement of New Fan		
7	Supply & Replacement of New Starting/Running Capacitor for Compressor 7.5T. (100mfd for starting and 45mfd for running.)		
8	Supply & Replacement of New Fan Capacitor of 6mf of 7.5T.		
9	Supply & Re-filling of New Cooling Gas.		
10	Supply & Replacement of New Cooling		
11	Supply & Replacement of New Condenser.		
12	Supply & Replacement of New Bush for		
13	Supply & Replacement of New Base plate		
14	Supply & Replacement of New Remote including PCB for Split Machine.		
15	Supply & replacement of controller /PCB in		
16	Welding & Spray Painting of AC machines.		
17	Thermostat for A.C. 2.5Ton & 7.5Ton		
18	Steiner		
19	Swing motor Window A.C. 2.5Ton		
20	Fan blade Window A.C. 2.5/7.5Ton		
21	Blower Window A.C. 2.5/7.5Ton		
22	Blower motor for 2.5 and 7.5T		
23	Motor Bearing Window A.C. 2.5/7.5Ton		
24	Fan Motor rewinding of AC. 2.5/7.5 Ton		
25	Blower motor rewinding for A.C. 2.5/7.5Ton		
26	Discharge pipe (copper – 3/8) for AC 2.5/7.5Ton		
27	Suction pipe (copper – 5/8) for A.C. 2.5/7.5Ton		
28	Discharge valve for A.C. 2.5/7.5Ton		
29	Suction valve for AC 2.5/7.5Ton		
30	Minilac relay unit of Model no-2 ALO-10-323		
31	MN 16 contactor of L&T make 3ph, 415v, 16A, 7.5kw		

32	Start and OFF/Reset Version of L&T make. 500v, 50hz, 2A AC-15 Max fuse 6A		
33	MNX 12 Auxiliary contact of L&T make, Ie=4A, 415v, Ith= 10A		
34	32A TPN MCB		
35	Terminal block		
36	Pipe Insulation tape of AC 2.5/7.5Ton		
37	Drainage pipe of AC 2.5/7.5Ton		
38	Drainer for 7.5Ton AC		
39	Blower Package Plant – 7.5 Ton		
40	Fan blade Package Plant – 7.5 Ton		
41	Condenser Package Plant – 7.5 Ton		
42	Cooling coil Package Plant – 7.5 Ton		
43	MCB for 2 Ton Window & Split AC		
44			
45	Controller – 4 pole Package Plant – 7.5 Ton		
46	VAT @ on supply of material		
47	Service Tax @ on installation charge		
48	Mobilization charge for attending break down		
49	Mobilization charge for attending break down beyond 30KM		

(All old materials are to be kept in the respective Offices/ sub-stations, OPTCL)

C. Cost of following old & damaged materials if purchased from this office.

Sl No	DESCRIPTION OF MATERIALS	UNIT RATE
1	2.5 Ton Reciprocating Compressor.	
2	7.5 Ton Reciprocating Compressor.	

(Signature of the Contractor with Seal)

SECTION-V

ANNEXURE-I
DECLARATION FORM

To

Sir,

1. Having examined the above specification together with Tender conditions referred to therein I/We the undersigned hereby offer to supply the materials covered thereon complete in all respects as per the Specification and General Conditions, at the rates entered in the attached contract schedule of prices in the Tender.
2. I/We hereby undertake to have the materials delivered within the time specified in the Tender.
3. I/we here guarantee the technical particulars given in the Tender supported with necessary reports from concerned authorities.
4. I/We certify to have purchased/down loaded a copy of the Specification by remitting Cash/Money order/DD/remitting the cost of tender, herewith and this has been acknowledged by your letter No-----Dated -----.
5. In the event of Purchase order being decided in my/our favour, I/We agree furnish the Security Deposit in the manner acceptable to ODISHA POWER TRANSMISSION CORPORATION LTD. and for the sum as applicable to me/us per Clause-16 of Section-II of this Specification within 15 days of issue of Letter of intent/Purchase order failing which I/We clearly understand that the said Letter of intent/Purchase order will be liable to be withdrawn by the Purchaser.
Signed this-----day of -----
20-----.

Yours faithfully,

Signature of

Tenderer

With Seal of the Company

(This form should be fully filled up by the Tenderer and submitted along with the original copy of Tender)

ANNEXURE-II

ABSTRACT OF GENERAL TERMS & CONDITIONS OF CONTRACT (COMMERCIAL) TO ACCOMPANY PART-I

1. Earnest Money Furnished	(a) Cash (b) Bank Draft No. Name of bank Date of issue
2. Manufacturers/supply/Repair maintenance experience including user's certificate furnished or not.(As per Clause No.6 of Section-II)	Yes/No
3. Deviations to the Specification if any (list enclosed or not) (As per Clause-8 of the section-II)	Yes/No
4. Delivery: (a) Date of Commencement	
5. Guarantee: Whether agreeable to OPTCL's terms. (As per Clause -15 of Section-II)	Yes/No
6. Whether agreeable to furnish Security Deposit in case his tender be successful. (As per Clause-16 of Section-II)	Yes/No
7. Whether agreeable to furnish Performance Guarantee as per clause-16 of Section-II	Yes/No
8. Terms of Payment: Whether agreeable to OPTCL's standard terms of payment or not. (As per clause-17 of Section-II)	Yes/No
9. Nature of Price: Firm.	Yes/No
10. Penalty: Whether agreeable to OPTCL's terms or not (As per Clause-18 of Section-II)	Yes/No
11. Whether ITCC/VAT Clearance /P&L A/C /Service tax registration certificate for the required	Yes/No

period are furnished. (As per Clause-27 of Section-II)	
12. Validity:- Whether agreeable to OPTCL's terms or not	Yes/No
13. Whether guarantee technical particulars are furnished or not.	Yes/No
14. Whether materials are I.S.I. marked.	Yes/No
15. Repairer's name and its trade mark.	Yes/No

Place _____
Date _____

**Signature of the Tenderer
with Seal of the Company**

ANNEXURE-II

THE BIDDERS ARE REQUIRED TO FURNISH THE FOLLOWING DETAILS AS PER THE FORMAT GIVEN BELOW WHICH IS A MANDATORY REQUIREMENT FOR EVALUATION OF BIDS

SL NO	DETAILS	TO BE FILLED BY THE BIDDER
1	BIDDER'S NAME	
2	BIDDER'S SITE NAME (NAME OF THE PLACE)	
3	ADDRESS	
4	CITY	
5	STATE	
6	COUNTRY	
7	PIN CODE	
8	PHONE NUMBER	
9	FAX NUMBER	
10	CST REGISTRATION NUMBER	
11	VAT REGISTRATION NUMBER	
12	SERVICE TAX REGISTRATION	

	NUMBER	
13	PAN NUMBER	
14	TAN NUMBER	
15	CONTACT PERSON'S NAME	
16	POSITION/DEPARTMENT OF CONTACT PERSON	
17	CONTACT PERSON'S E-MAIL ID	
18	CONTACT PERSON'S PHONE NO.AND MOBILE NO.	
19	CONTACT PERSON'S FAX NUMBER	

Signature of Bidder with Seal