



JAMMU & KASHMIR STATE POWER DEVELOPMENT CORPORATION LTD.

Replacement of Complete Tubes of
Generator and Transformer coolers for Unit -
3rd Of LJHP Power House

**Executive Engineer
Generation Division LJHP
Gantamulla Baramulla**

(2011]

JAMMU & KASHMIR STATE POWER DEVELOPEMENT CORPORATION LTD.

Office of The Executive Engineer ,Generation Division LJHP
Gantamulla Baramulla
xeneljhp@gmail.com

No. : LJHP/ 08 of 2011

Date : 30.09.2011

GIST SHORT TERM TENDER CALL NOTICE NO. 08 of 2011

On Behalf of Managing Director Jammu & Kashmir State Power Developement Corporation Sealed tender in duplicate are invited from Manufacturer/Reputed Firms having sufficient experience of the relevant job and valid CST/VAT/TIN Registration Certificate, IT PAN etc. for **“Replacement of complete tubes of Generator and Transformer Coolers for Unit No. 3** of Lower Jehlum Hydro Electric Project (LJHP) Gantamulla Baramulla J & K.

S. No	Description of material	Qty. Nos.	Cost of tender specification (Non-Refundable)	Period of sale of tender specification	Last date & time for submission of tender	Due date & Time for opening of tender	EMD in Rs.
	Replacement of complete tubes of Generator and Transformer Coolers for Unit No. 3 for LJHP (as per technical specification)		Rs. 6000.00	01.10.2011 to 11.10.2011	12.10.2011 upto 2.30 PM	12.10.2011 at 3.00 PM	2% of quoted Value
1	Generator Hot Air Coolers	8					
2	Thrust Bearing Coolers	6					
3	U.G.B Coolers	8					
4	T.G.B Coolers	2					
5	Transformer Coolers	6					

The offer alongwith all required information / documents duly filled and signed in each page are to be packed in a sealed envelop superscribed as **“Replacement of complete tubes of Generator and Transformer coolers for unit No. 3”** due date of opening **12.10.2011 at 3.00 PM.** shall be submitted in person/by registered post/courier is to be dropped in the **Tender Box at Office of the Chief Engineer Generation Wing PDC Bemina Srinagar.**

The offer will be opened on the date and time as mentioned above in the presence(Who so ever may be present) of tenderer or their authorized representatives in the office of the Chief Engineer Generation Wing PDC Bemina Srinagar

NB: If any of the above dates happen to be a holiday, the next working day will be the corresponding effective date.

The cost of tender specification/Documents is **Rs. 6000/-** (Rupees six thousand only) only (Non-refundable) as stated above should be submitted either in cash or in shape of Demand Draft / Bankers Cheque drawn in favour of **“Executive Engineer Generation Division LJHP Gantamulla Baramulla J&K”**

The detailed tender specification can be obtained from the office of the

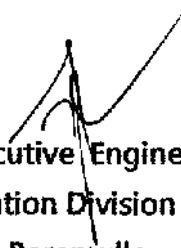
undersigned during office hours on any working day.

Interested tenderer may also obtain the tender specification by Regd. Post against payment of an additional cost of Rs. **200/-** (Rupees Two Hundred) only as postal charges over and above the prescribed cost. The authority will not be held responsible for any postal delay or loss of tender specification in postal transaction.

Interested tenderer can also download the tender specification from JKSPDC website

(www.jkspdc.nic.in) within due date. Demand Draft/ Bankers Cheque towards the cost of tender specification should be prepared on or before last date of sale of tender specification and must be accompanied while dropping the tender within the due date as stated above.

Visit us at www.jkspdc.nic.in



Executive Engineer
Generation Division LJHP
Baramulla

No. *GD/LJHP/1538-48*

Date. 30 .09.2011

Copy to:

1. Chief Engineer Generation Wing PDC Kashmir for information.
2. Superintending Engineer Generation Circle 1st PDC Baramulla for information and necessary action.
3. Depty Director Information Srinagar for information and is requested to get the advertisement published in 2 leading dailies.
4. CP & AO PDC Baramulla for information.
5. M/S Wide Angle Communications for broadcasting from commercial services Radio Kashmir Srinagar.
6. Nodal officer Corporate Office for information and for uploading on JKSPDC web site.
- 7-10. M/S -----

JAMMU & KASHMIR STATE POWER DEVELOPEMENT CORPORATION LTD.

**Office of The Executive Engineer ,Generation Division LJHP
Gantamulla Baramulla
xeneljhp@gmail.com**

No. : LJHP/

Date :

TENDER SPECIFICATION

FOR

**REPLACEMENT OF COMPLETE TUBES OF GENERATOR
AND TRANSFORMER COOLERS FOR UNIT – 3rd OF LJHP
POWER HOUSE**

Sold vide Money Receipt No.

Date:

Cost of Tender Paper : Rs. 6000/- (Rupees Six thousands) only

**EXECUTIVE ENGINEER
Generation Division LJHP
Gantamulla Baramulla
PIN – 19 (J & K).
TEL : 01956252284
FAX : 01956252284**

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THE SPECIFICATION IS MAINLY DIVIDED INTO FOUR SECTIONS:

SECTION-I : TENDER NOTICE & INSTRUCTION TO TENDERER

SECTION-II : GENERAL TERMS & CONDITIONS.

SECTION-III : TECHNICAL SPECIFICATION

SECTION-IV : ANNEXURE TO SPECIFICATION.

SECTION – I

TENDER NOTICE & INSTRUCTIONS TO THE TENDERER

JAMMU & KASHMIR STATE POWER DEVELOPEMENT CORPORATION LTD.

Office of The Executive Engineer ,Generation Division LJHP
Gantamulla Baramulla
xeneljhp@gmail.com

No. : LJHP/ 08 of 2011

Date : 30.09.2011

SHORT TERM TENDER CALL NOTICE NO. 08 of 2011

On Behalf of Managing Director Jammu & Kashmir State Power Developement Corporation Sealed tender in duplicate are invited from Manufacturer/Reputed Firms having sufficient experience of the relevant job and valid CST/VAT/TIN Registration Certificate, IT PAN etc. for **“Replacement of complete tubes of Generator and Transformer Coolers for Unit No. 3** of Lower Jehlum Hydro Electric Project (LJHP) Gantamulla Baramulla J & K.

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The offer will be opened on the date and time as mentioned above in the presence(Who so ever may be present) of tenderer or their authorized representatives in the office of the Chief Engineer Generation Wing PDC Bemina Srinagar

NB: If any of the above dates happen to be a holiday, the next working day will be the corresponding effective date.

The cost of tender specification/Documents is **Rs. 6000/-** (Rupees six thousand only) only (Non-refundable) as stated above should be submitted either in cash or in shape of Demand Draft / Bankers Cheque drawn in favour of **“Executive Engineer Generation Division LJHP Gantamulla Baramulla J&K”**

The detailed tender specification can be obtained from the office of the undersigned during office hours on any working day.

Interested tenderer may also obtain the tender specification by Regd. Post against payment of an additional cost of Rs. **200/-** (Rupees Two Hundred) only as postal charges over and above the prescribed cost. The authority will not be held responsible for any postal delay or loss of tender specification in postal transaction.

Interested tenderer can also download the tender specification from JKSPDC website (www.jkspdc.nic.in) within due date. Demand Draft/ Bankers Cheque towards the cost of tender specification should be prepared on or before last date of sale of tender specification and must be accompanied while dropping the tender within the due date as stated above.

The following authenticated documents are to be submitted alongwith the offer otherwise the offer will be liable for rejection.

- i) Proof of purchase of tender document.
- ii) Prescribed EMD (i.e. 2% of quoted value). iii)
Copy of Registration certificate of the Firm.
- iv) Copy of valid CST/VAT/ TIN Registration Certificate. v)
Copy of IT PAN card.
- vi) Experience of having executed 3 (three) similar type of works amounting not less than 25.00 Lacs during last 3 years. Similar works means Manufacturing of new coolers or replacement of complete tubes of coolers of large hydro generators of PSU/Electricity Boards/ Corporations.
Annexure
 - a) Annexure-I :-Declaration Form (duly filled in and signed).
 - b) Annexure-II :-Acceptance of Terms & Conditions (duly filled in and signed).
 - c) Annexure- VII :-Price Bid format (duly filled in & signed).

N.B : The tenderers are advised to inspect the Generator and Transformer Coolers of Unit No.3 at LJHP Power House during any working days in co-ordination with offer.

Authority reserves the right to :-

- i) **Increase / decrease the quantity of materials.**
- ii) **Reject any or all tenders without assigning any reason thereof.**

Visit us at www.jkspdc.nic.in

Sd/-
Executive Engineer
Generation Division LJHP
Gantamulla Baramulla

No. GD/LJHP/

Date. 30 .09.2011

Copy to:

- 1.Chief Engineer Generation Wing PDC Kashmir for information.
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3. Depty Director Information Srinagar for information and is requested to get the advertisement published in 2 leading dalies.
4. CP & AO PDC Baramulla for information.
5. Nodal officer Corporate Office for information and for uploading on JKSPDC web site.

**SECTION -I INSTRUCTION TO
TENDERERS**

1. The tenderers are requested to ascertain the detail scope of works after due inspection of LJHP Power House site during any working days in co-ordination with Executive Engineer Generation Division LJHP Baramulla before submitting their offer.
2. The tenderers are requested to go through the detail of tender specification and fully acquaint themselves to all the terms & conditions before submitting their offer. Should a tenderer find any discrepancies or omissions from the specification or other documents, or be in doubt as to their meaning, he should at once intimate the authority and obtain clarification in writing. This however, does not entitle the tenderer to ask for time beyond the due date fixed for receipt of tenders.
3. Only those who have purchased the tender specification (in case of downloaded document from JKSPDC web site ,Cost of tender specifications in the shape of Demand Draft/Bankers cheque) are eligible to submit their offer.
4. Incomplete, conditional offer, offer containing vague and indefinite expression such as “subject to immediate acceptance, authorised to participate, authorized to sales and service” etc. will not be considered.
5. Conditional discount on price will not be entertained.
6. The tenderers should not write their name or any other information on the body of the sealed envelope.
7. Tenders with overwritten or erased, illegible rate or rates not shown in figures and words will be liable for rejection.
8. The downloaded offer should accompany the cost of tender specification in shape of Demand Draft/ Bankers Cheque, otherwise the offer will be out rightly rejected, and no further correspondence in this regard will be entertained.
9. Tender received Telegraphically/ by Fax or E-mail shall not be accepted.
10. Tenderer should ensure submission of offer within the due date and time.
11. JKSPDC takes no responsibility for any loss of documents/delay/non-receipt of tender specification / tender sent by post or by any other means.
12. Tenders received after due date & time will not be considered.
13. No post tender correspondence by the participated firm/agency will be entertained.
14. The price quoted should be FIRM and in Indian Rupees. The tenderers are requested to quote the basic price of each and every item with percentage of taxes/duties and other charges if any as applicable. The detail regarding quoting of price is specified in clause No. 6 of Section-II. Quoting in any other manner will not be entertained.

15. All correspondences/manuals/documents shall be written in ENGLISH language, dimension and technical parameters should be in MATRIC unit only.
 16. The tenderers should note that, the work place is situated in the vicinity of extra high voltage and risk profile zone. Risk profile varies from ordinary accidents to even sustain of fatal injury. Arrangement of insurance coverage to men and materials is under the scope of the contract.
 17. While tenders are under consideration, tenderers and their representatives or other interested parties are requested to refrain from interfering the evaluation process by any means.
JKSPDC, if necessary will obtain clarification from any or all the tenderers either in writing or through personal contact, which may be necessary.
 18. The tender shall be accompanied with Rs. **2% of quoted value** as Earnest Money as specified in clause No. 5 of Section-II. **Tender without EMD will be out rightly rejected and no further correspondences in this regard will be entertained.**
 19. The offer should valid for a period of **180 days** from the date of opening.
 20. The tenderer may deviate from the specification while quoting, if in his opinion such deviations in line with manufacturer's standard practice and conducive to a better and more economical offer. All such deviations should however be clearly indicated giving full justification for such deviation, as per Annexure-III of Section-IV.
 21. JKSPDC shall not be responsible for any misunderstanding or incorrect information obtained by the contractor other than information given to contractor in writing by JKSPDC.
 22. The following authenticated documents are to be submitted alongwith the offer otherwise the offer will be liable for rejection.
 - iii) Proof of purchase of tender document.
 - iv) Prescribed EMD (i.e. 2% of quoted value).
 - v) Copy of Registration certificate of the Firm.
 - vi) Copy of valid CST/VAT/ TIN Registration Certificate.
 - vii) Copy of IT PAN card.
 - vi) Experience of having executed 3 (three) similar type of works amounting not less than 25.00 Lacs during last 3 years. Similar works means Manufacturing of new coolers or replacement of complete tubes of coolers of large hydro generators of PSU/Electricity Boards/ Corporations
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- e
- a) Annexure-I :-Declaration Form (duly filled in and signed).
 - b) Annexure-II :-Acceptance of Terms & Conditions (duly filled in and

signed).

c) Annexure-VII :-Price Bid format (duly filled in & signed).

23. **SUBMISSION OF TENDER DOCUMENT :**

The offer alongwith all required information / documents duly filled and signed in each page are to be packed in a sealed envelop superscribed as '**Replacement of complete tubes of Generator and Transformer coolers for unit No. 3**' due date of opening **12.10.2011 at 3.00 PM.** shall be submitted in person/by registered post/courier is to be dropped in the **Tender Box at Office of the Chief Engineer Generation Wing PDC Bemina Srinagar.** The tender shall not to mention their name on the envelope.

The offer will be opened on the date and time as mentioned above in the presence(**Who so ever may be present**) of tenderer or their authorized representative in the **Office of the Chief Engineer Generation Wing PDC Bemina Srinagar**

N.B.: If any of the above dates happen to be a holiday, the next day will be the corresponding effective date.

Authority reserves the right to :-

- i) Increase / decrease the quantity of materials.**
- ii) Reject any or all tenders without assigning any reason thereof.**

**Executive Engineer Generation
Division LJHP Gantamulla
Baramulla**

Modification of specification and extension of period of sales of tender specification closing/opening date if required will be notified through corrigendum.

SECTION – II

GENERAL TERMS & CONDITIONS

SECTION – II
GENERAL TERMS & CONDITIONS OF CONTRACT

1. **SCOPE**: The scope of work covers “Replacement of complete tube and repairing/reconditioning of Generator and Transformer Coolers of Unit no. 3” as mentioned below in line with as per Section-III Technical Specification and enclosed drawing.
- a) Taking delivery of damaged air coolers from LJHP Power House on submission of CBG and Indemnity bond and transit insurance as per clause No. 8, 9 & 13.
 - b) Retubbing of coolers as per technical specification.
 - c) To carry out all required test as per relevant ISS/IEC/CBIP and submission of test report to JKSPDC.
 - d) Any defect noticed during verification and testing at site is to be rectified free of cost to JKSPDC.
 - e) Transportation of damaged coolers from LJHP Power House and return back after repair in good condition to LJHP Power House.
 - f) Scrap generated during retubbing works has to be retained by the successful bidder.

Notwithstanding any thing mentioned in the specification or subsequent approval or acceptance of the purchaser, the ultimate responsibility for design, materials used and satisfactory performance shall rest with the supplier.

Any portion of the work and supply of materials related to works which have not been specifically mentioned but are required and necessary for the completeness of the work shall be deemed to have been included in the contract and shall be complied by the supplier at no extra cost to JKSPDC.

2. **POWER HOUSE SITE**: LJHP Power House site is situated in the district of Baramulla (J & K), at a distance 75 KM from the SRINAGAR (Summer Capital of Jammu & Kashmir)
- 3.

4. **F.O.R. DESTINATION:** LJHP Power House.

5. **EARNEST MONEY**

- a) The tender shall be accompanied with 2% of quoted value as Earnest Money in shape of CDR/Bank Draft / Bankers Cheque drawn in favour of **Executive Engineer Generation Division LJHP Gantamulla Baramulla J & K**
- b) After award of the contract the EMD of all the unsuccessful tenderers will be returned.
- c) In case the successful tenderer failed to accept the order within 10 days the EMD shall liable to be forfeited.
- d) The EMD of the successful tenderer will be returned after completion of works.
- e) No interest will be paid on deposited Earnest Money.
- f) No adjustment towards Earnest Money Deposit shall be made against any outstanding amount.

N.B.:- Tender without EMD will be out rightly rejected and no further correspondences in this regard will be entertained.

6. **PRICE:**

- a) The quoted rate should be FIRM and FOR destination basis, which include cost of materials, taxes & duties i.e. Central Sales Tax/VAT/Excise duties, packing, forwarding, freight & insurance and any other charges as applicable.
- b) The tenderers are requested to quote the basic price of each and every item with percentage of taxes/duties as applicable.
- c) The tenderers are requested to clearly mentioned the price towards scrap materials.
- d) The detail breakup of destination price should be furnished by the tenderer in the prescribed format as per Annexure-VII. Quoting in any other manner will not be entertained.

7. **TAXES:**

- i) **SALES TAX** : Form 'C' if required will be issued by JKSPDC for availing CST at concessional rate.
- ii) **TAXES** : Taxes other than at clause No. 6(a) if any will be paid on production of documentary evidence.

8. **COMPOSITE BANK GUARANTEE** : Successful bidder must submit Composite Bank Guarantee in form of a Bank Guarantee from any Nationalized Bank for 10% (Ten percent) of the contract value of the work order/ purchase order, executed in a non-judicial stamp paper of Rs. 100/- (Rupees Hundred) only or any amount as per Stamp Duty Act strictly as per **PROFORMA ENCLOSED**, towards security, payment and performance guarantee purpose.

The confirmation letter of the concerned Bank should be sent along with Bank Guarantee.

The bank guarantee shall be furnished within 15 days from the date of issue of the purchase/work order and shall remain valid for a period of guarantee covered under the contract.

No interest is payable on the Composite Bank Guarantee.

If desired by the successful bidder, the Composite Bank Guarantee may be submitted in shape of Bank Draft drawn from any Nationalised Bank. In this case no interest will be paid.

Failing submission of the same, the work order/purchase order will be liable for rejection. In the event of any breach or default in all or any of the conditions set forth and provided in the work order /purchase order, JKSPDC may forfeit the whole amount of the Composite Bank Guarantee.

9. **INDEMNIFICATION** : An amount to the extent of **Rs. 5,00,000/-** (Rupees Five lakh) only is required to be furnished as Bank Guarantee executed in a non-judicial stamp paper of Rs. 100/-(Rupees one hundred) only or any amount as per stamp duty Act strictly as per proforma enclosed towards security against handing over of defective coolers for taking the same to the contractor's work for retubbing works.

- i) The confirmation letter of the concerned bank should be sent alongwith the Bank guarantee.
- ii) The Bank Guarantee shall remain valid for a period upto, which the cooler remain outside of Power House.
- iii) No interest is payable on Bank Guarantee. In case of necessity the validity of the Bank Guarantee is to be extended by the supplier.
- iv) If desired by you, the Bank Guarantee may be submitted in shape of Bank Draft drawn from any Nationalised Bank. In this case no interest will be payable on Bank Draft.
- v) The Bank Guarantee towards indemnification will be released after receipt of repaired cooler at site.

10. **TRANSPORTATION OF COOLERS** : The air coolers will be handed over to the contractor at LJHP Power House site on production of required amount of BG towards indemnity. The transportation of the coolers from LJHP Power House to contractor's work as well return the same to LJHP Power House in good condition after repair is within the scope of the contractor and same is to be borne by the contractor.
11. **INSPECTION & TESTING** : On readiness of material, **15** days advance notice shall be given to this office for deputing JKSPDC representative for inspection and testing of Coolers.
- Material will be inspected in accordance with the IS specification and as per technical specification of Section-III and drawing by the Inspecting Officers of JKSPDC at work site. The supplier's representatives and JKSPDC's representatives shall jointly sign the inspection/test reports.
- The joint Inspection/Test reports shall be submitted in three (03) copies to this office for approval and issuance of dispatch instruction.
- The supplier shall provide labour, materials, calibrated instruments and assistance etc as may be reasonably required to the Inspecting Officer to carry out the inspection and acceptance test.
- If the coolers/ materials are required for replacement within guarantee periods, then similar procedure for inspection/testing as indicated above will be followed with free of cost to JKSPDC.
12. **DESPATCH INSTRUCTION** : All the materials alongwith its spares and accessories should be securely packed and dispatched directly to the consignee with due transport/transit insurance covered by your underwriter, after obtaining approval of joint inspection report.
- The materials alongwith packing, list, Guarantee Certificate, manufacturers test certificate, operation and maintenance manuals (if any) are to be dispatched to the consignee.
- WAY BILL** : Way bill if required, will be issued on request.
13. **TRANSIT INSURANCE** : Transit insurance of materials should be done by the supplier at their own cost. The responsibility of delivery of the materials at destination in good condition rests with the supplier. Any claim with the insurance company or transport agency arising due to loss or damage in transit has to be settled by the supplier. The supplier shall undertake for replacement of materials immediately, on receipt of such information from Consignee regarding damage or

loss, without waiting for settlement for their claims with their carriers and underwriters.

14. **COMPLETION PERIOD** : The works for Replacement of complete tubes of Generator and Transformer cooler shall be completed in all respect within 60 days from the date of issue of work order or 50 days from the date of issue of dispatch instruction, whichever is earlier. Certification of date of verification of the coolers at site will be treated as date of completion. However early completion will be preferable.
15. **EXTENSION OF COMPLETION PERIOD**: If the works is delayed due to reason beyond the control of the supplier, the supplier shall without delay give notice to JKSPDC in writing of his claim for an extension of time. JKSPDC on receipt of such intimation may agree to extend the delivery/completion period as may be reasonable but without prejudice to other terms and conditions of the contract.
16. **FORCE MAJEURE** : The supplier shall not be liable for any Liquidated Damage for delay or for failure to perform the contract for reasons of force majeure such as Act of God, Acts of Public Enemy, Act of Govt., Fire, Flood, Epidemic, Quarantine Restrictions, Strikes, Freight Embargoes and provided that the supplier shall within Seven (7) days from the beginning of such delay, notify JKSPDC in writing of the nature and cause of such delay, JKSPDC shall verify the facts and may grant such time extension as facts, justify.
17. **LIQUIDATED DAMAGE** : If the supplier fails to execute the works within the time period, specified in the contract or any extension granted thereto, JKSPDC shall recover from the supplier a sum @ 0.5 % of the contract value for each day of delay or part thereof subject to maximum 10% of contract value towards Liquidated Damage.
18. **REJECTION OF MATERIALS**: If the materials/equipments supplied by the supplier are found defective in materials or workmanship or otherwise not in conformity with the requirements of the contract specification, JKSPDC shall either reject the materials/equipments or request the supplier in writing to rectify/replace the same. The supplier on receipt of such intimation shall either rectify or replace the defective materials/equipments free of cost to JKSPDC, if the supplier fails to do so, JKSPDC may:
 - a) At his option replace or rectify such defective materials/equipments and recover the extra costs so involved from the supplier, **AND /OR**
 - b) Terminate the contract with forfeiture of CBG.
19. **SUPPLIERS DEFAULT LIABILITY** : The purchaser may write notice of default to

the supplier and may terminate the contract in circumstances as mentioned below.

- a) If the supplier fails to comply with any of the provision of this contract, in that event the purchaser may terminate the contract in whole or in parts.
 - b) The purchaser reserves the right for completion of the balance works at its own arrangement in which case the supplier will be liable to bear any additional cost on that account besides Liquidated Damage for the delay.
20. **GUARANTEE**: The works covered by this specification should be guaranteed for satisfactory operation and against defects in design, materials and workmanship for a period of at least eighteen (18) months from the date of delivery or twelve (12) months from the date on which the equipments/materials has been put to operation whichever is earlier. Any defects noticed during this period should be rectified/replaced by the supplier free of cost to the purchaser provided such defects are due to faulty design, bad workmanship or poor quality of materials used, upon written notice from the purchaser. Such rectification/replacement of materials should also bear the similar guarantee from the date of rectification/replacement and the validity of Composite Bank Guarantee should be extended accordingly.
21. **PAYMENT**:
- a) 95 % payments towards cost of materials along with full taxes and duties will be made on receipt of materials in full with good condition at consignee store / site and physical verification against duly verified bills of Asstt.Executive Engineer concerned ,thereof subject to submission of Guarantee Certificate, Composite Bank Guarantee, bill in triplicate, copy of Way Bill if issued.Remaining 5% payment shall be made after completion of defect liability i.e 12 Months after the equipment is put in operation or 18 Months after the delivery of equipment at Consignee site at LJHP which ever is earlier.In case CBG (Composite Bank Guarantee) is not submitted 10% of due payment other than taxes and duties will be retained as Security deposit and will be released after completion of defect liability along with EMD and 5%.
 - b) All payments shall be made through Cheque/Demand Draft on a Nationalised Bank only. In case of payments through draft, the Bank Commission charges will be borne by the supplier.
 - c) Income Tax if so applicable will be deducted from the bills at the prevailing rate. TDS certificate to that effect shall however be issued.
22. **EXPERIENCE** : The tenderers should furnish information regarding experience particularly on the following points :

- i) Name of Manufacturer.
 - ii) Description of the similar works executed during the last three (03) years with the name of the party to whom the execution was made.
 - iii) Testing facilities at manufacturer's works.
 - iv) If the manufacturer is having collaboration with another firm, detail regarding the same may be furnished.
 - v) A list of job order executed during the last three (03) years.
23. **PATENT RIGHT ETC** : The supplier shall indemnify JKSPDC 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 use of any equipment/ materials supplied by the supplier, but such indemnify shall not cover any use of the equipments/materials other than for the purpose indicated by or reasonably to be inferred from this specification.
24. **EVALUATION OF BIDS** : In comparing bids and in making awards, JKSPDC may consider such factors as complied with specifications and ability of tenderer in services, experience, records of integrity in dealings, performance of works/jobs earlier executed, capability in rendering repair and maintenance services, the time of delivery etc.
25. **ENGINEER-IN-CHARGE** : Executive Engineer Generation Division, LJHP Baramulla
26. **CORRESPONDENCE**: All the correspondences should be addressed to Chief Engineer Generation Wing Kashmir JKSPDC Bemina Srinagar.
28. **PAYING OFFICER**: Chief Pay & Accounts Officer JKSPDC Baramulla
29. **OUR BANKERS NAME** : Jammu & Kashmir Bank T.P Baramulla Kashmir.
30. **JURISDICTION OF COURT**: Suits if any arising out of this contract shall be filed by either party in the court of law to which the jurisdiction of High Court of Jammu & Kashmir extends. It shall be expressly agreed neither party shall be competent to bring suit in this regard at any place out side the state of J & K.
31. **ARBITRATION** : During the currency of the Contract if any dispute arises out of this contract ,the case would be referred to Arbitrator to be appointed by Managing Director JKSPDC who shall in terms of J & K Arbitration Act pronounce an award which shall be binding upon both the parties.
However the Arbitrator so appointed shall not be authorized to allow interest on to claim so arise out of arbitration.
32. **GENUINNESS OF THE ITEMS** :
The materials /tubes utilized should be of Reputed genuine Manufacturer and of proper grade and specifications. The successful bidder shall have to furnish a certificate along with the challan and related material test Page 19 of 38

certificates from authorized reputed testing laboratory to the effect that the material utilized by him are of proper specifications and grade. The material shall be guaranteed for any manufacturing defects for a period of 12 months from the date of use.

**Executive Engineer Generation
Division LJHP Gantamulla
Baramulla**

SECTION – III

TECHNICAL SPECIFICATION

SECTION – III
TECHNICAL SPECIFICATIONS OF COOLERS

Replacement of complete tubes including supply of tubes & fins of Generator cooler with the following specification.

A) Detailed Dimension of the Air Coolers

- i) No. of tube per Cooler - 132
- ii) Tube material - Cupro-Nickle
- iii) Tube O.D. - 19 mm.
- iv) Tube I.D. - 17 mm
- v) Tube thickness - 1 mm
- vi) Tube length - 1290 mm + 34 mm = 1634 mm
- vii) Fin material - Copper and Tin
Cu - 99.6%, Sn - 0.13%, Others 0.27%
- viii) Tubes are held between two plates.
- ix) Dimension of cooler - 1276x1290x396 mm
- x) No. Of tube rows - 6

Technical Design Data for the Air Cooler

The heat extracting capacity and other technical parameters

- i) Volume of air - 4.5m³/Sec
- ii) Inlet water temperature - 35°C
- iii) Quantity of water per Cooler in - 37.5 m³/Hour
- iv) No. Of water course - 4
- v) Working Pressure - 3.0 Kg/Cm²
- vi) Test Pressure -6.0 Kg/Cm² for 30 minutes.

v)

B) Detailed Dimension of the Thrust Bearing Coolers

- i) No. of tube per Cooler - 190
- ii) Tube material -Cupro-Nickle 90:10
- iii) Tube O.D. - 19 mm.
- iv) Tube I.D. - 17 mm
- v) Tube thickness - 1 mm
- viii) Tubes are held on a single tube plate .

Technical Design Data for the Thrust Bearing Coolers

The heat extracting capacity and other technical parameters

- i) Cooling water flow - 35m³/Hr.

- ii) Inlet water temperature - 35°C
- iii) Working Pressure - 3.0 Kg/Cm²
- iv) Test Pressure - 6.0 Kg/Cm² for 30 minutes.

C) **Detailed Dimension of the T.G.B Coolers**

- i) No. of tube per Cooler - 53
- ii) Tube material - Cupro-Nickle 90:10
- iii) Tube O.D. - 19 mm.
- iv) Tube I.D. - 17 mm
- v) Tube thickness - 1 mm
- viii) Tubes are held on a single tube plate .

Technical Design Data for the T.G. B Coolers

The heat extracting capacity and other technical parameters

- i) Cooling water flow - 35m³/Hr.
- ii) Inlet water temperature - 35°C
- iii) Working Pressure - 3.0 Kg/Cm²
- iv) Test Pressure - 6.0 Kg/Cm² for 30 minutes.

D) **Detailed Dimension of the U.G.B Coolers**

- i) No. of tube per Cooler - 12
- ii) Tube material - Cupro-Nickle 90:10
- iii) Tube O.D. - 19 mm.
- iv) Tube I.D. - 17 mm
- v) Tube thickness - 1 mm
- viii) Tubes are held between two plates .

Technical Design Data for the U.G. B Coolers

The heat extracting capacity and other technical parameters

- i) Cooling water flow - 35m³/Hr.
- ii) Inlet water temperature - 35°C iii)
- iii) Working Pressure -3.0 Kg/Cm²
- iv) Test Pressure - 6.0 Kg/Cm² for 30 minutes.

E) **Detailed Dimensions of the Transformer oil Coolers**

i)	No. of tube per Cooler	- 180
ii)	Tube material	- Cupro-Nickle 90:10
iii)	Tube O.D.	-10 mm.
iv)	Tube I.D.	-8 mm
v)	Tube thickness	- 1 mm

F) The inner surface of water piping and flanges are to be coated with Coal Tar Epoxy coating.

I) Material composition of coating (weight ratio %)

i)	Coal Tar	-	32% (not more than)
ii)	Pigment	-	28% (not more than)
iii)	Epoxy	-	15% (not less than)
iv)	Catalyser	-	1.5% (not less than)
v)	Solvent	-	35 (not more than)

II) Coating thickness

i)	Inner surface of water piping	-	300 micro mm
ii)	Flange	-	50 micro mm

III) Drying time - **24 hours**

Working Pressure	-	3.0 Kg/Cm ²
Test Pressure	-	6.0 Kg/Cm ² for 30 minutes.

N.B.: For other dimensional and materials details, drawings or any other clarification Executive Engineer Generation Division LJHP Baramulla may be contacted.

1. Hydrostatic testing on individual tubes before fitting in end plates and complete Unit after assembly in frame should be conducted.
2. The technical and thermal design of the Generator and Transformer Coolers shall be exactly as per the original specification and its performance be guaranteed.
3. The fins should be fixed on the tubes with sufficient and firm physical contact with the tubes in such a manner to maximize heat transfer.
4. The equipment and materials used shall comply with the applicable provisions of the latest revisions of Indian Standards and other applicable statutory provisions, rules and regulations.

Where no Indian Standards are available, the equipment and materials shall comply with all applicable provisions of the latest revisions of the relevant standards, specifications, codes, regulations of the test procedures of International Electro-Technical Commission, the Americans Standard Association, British Standard

Institution, American Society for Testing materials etc.

The appropriate Standards applicable shall be clearly stated in the offer.

5. The equipment shall be capable of withstanding the severest stresses likely to occur in actual service and of resisting rough handling during transport.
6. The tubes of the tube stack are to be expanded and bonded to the tube plates to completely eliminate leakage.
7. There should not be any joint through out the entire length of the tube.
8. The air cooler shall be painted with one coat of primer followed with two coats of finished enamel. The primer coating shall provide a bond between the paint and metal surface to prevent entrance of moisture and formation of rust under the paint film.
The final colour shall be given as per the standard.
9. The Cooler units shall be tested for all routine tests as per applicable standards. The test reports shall provide sufficient data to substantiate that the materials offered meets all requirements.
10. All fittings, apparatus and accessories which may not be specifically mentioned in this specification but which are usual or necessary for the equipment shall be deemed to be included in the specification. The equipment shall be completed in all details whether such details are mentioned in the specification or not.

**Executive Engineer
Generation Division
LJHP Baramulla**

SECTION – IV

SCHEDULE AND FORMS

ANNEXURE- I
TENDER SPECIFICATION No. LJHP/08 of 2011

(DECLARATION FORM)

To,

Chief Engineer
Generation Wing PDC Kashmir
Bemina Srinagar

Sir,

Having examined the above specification together with terms and conditions referred to therein, I/We the undersigned hereby agree to undertake the work if allotted to us in all respects as per the specification and general conditions, at the rates offered by us. Our offer is valid upto 180 days from the date of tender opening.

2. I/ We hereby undertake to have the materials delivered and work to be executed in complete shape within the time specified in this tender.

3. I/ We hereby guarantee the technical particulars given in the tender will be executed skillfully for which guarantee for successful operation for a period of 12 (Twelve) months.

4. I/ We hereby certify that the amount have been deposited towards the cost of the specification by remitting Cash/Bank Draft No.

.....

5. In the event of work order is being decided in my/our favour, I/We agree to furnish the Composite Bank Guarantee in the manner acceptable to JKSPDC for a sum as applicable, within 10 (Fifteen) days of issue of Letter of Intent /detail Purchase order failing which I/We clearly understand that the said Letter of Intent / the order will be liable to be withdrawn by J & K State Power Development Corporation Ltd.

Signed this day of 2011

Yours faithfully,

Signature with Designation and Seal

(This form should be duly filled up by the tenderer and submitted along with the original copy of the offer).

ANNEXURE - II
TENDER SPECIFICATION No. LJHP/08 of 2011
ACCEPTANCE OF TERMS & CONDITIONS

(This proforma should be filled in with all information and should be furnished with tender)

1	i) Name and address of the firm	
	ii) EMD Details(except the amount) like Bank /Draft No. & Date, Address of the Bank issuing the draft	
2	Proof of purchase of tender specification.	
3.	Validity	
4	Price Basis- FIRM F.O.R. Destination	
5	Terms of Payment : Whether agreeable to JKSPDC Terms	Yes/No
6	Completion Period :	Within __ days from the date of issuance of _____.
7	Whether agreed to furnish 10% Composite Bank Guarantee	Yes/No
8	Whether agreed to JKSPDC Liquidated damage terms	Yes / No
9	Whether materials to be utilized bear ISI mark	Yes/No
10	Whether guaranteed technical particulars submitted	Yes/No
11	Whether agreed to all the terms and conditions of the specification:	Yes/No

PLACE :

SIGNATURE OF TENDERER :

NAME :

DATE :

DESIGNATION (SEAL) :

DEVIATION FROM SPECIFICATION (TECHNICAL)

Tenderer shall enter below particulars of his alternative proposals for deviations from the specification if any.

Sl. No.	Clause No of Specification	Deviations from Specification	Justification for Deviation

PLACE :

DATE :

SIGNATURE OF TENDERER :

NAME :

DESIGNATION (SEAL) :

LIST OF ORDERS EXECUTED FOR SIMILAR WORK
DURING LAST THREE YEAR

Sl. No.	Description of work	Quantity	Place of installation and complete postal address	Year completion

PLACE :

SIGNATURE OF TENDERER :

NAME :

DATE :

DESIGNATION (SEAL) :

ANNEXURE – VI
TENDER SPECIFICATION
DATA ON EXPERIENCE

- a) Name of the Firm

- b) Standing of Firm as manufacturer of equipment Quoted.

- c) Description of equipment similar to that quoted supplied and installed with name to the party to whom supply was made as per annexure- V

- d) Detail to where installed etc.

- e) Testing facilities at manufacturers work.

- f) If the firm is having collaboration with another firm / manufactures, details regarding the same.

- g) A list of similar material store equipment of design, manufacturer tested and supply which are in successful operation in last three year with user certificate.

PLACE :

SIGNATURE OF TENDERER :

NAME :

DATE :

DESIGNATION (SEAL) :

ANNEXURE- VII
TENDER SPECIFICATION

PRICE BID FORMAT

Item No.	Description of item	Qty. Nos	Repairing Charges in Rs.	Cost of Materials in Rs.	(-) Cost of scrap in Rs.	NET PRICE in Rs.
1	Replacement of complete tubes of Generator and Transformer coolers for unit – 3 rd . of LJHP Power House.	.				
1	Generator Hot Air Coolers	8				
2	Thrust Bearing Coolers	6				
3	U.G.B Coolers	8				
4	T.G.B Coolers	2				
5	Transformer Coolers	6				
	Total					
	Taxes					
	Transportation					
	Grand Total					

N.B. The tenderer are advised to go through the price bid carefully and fill up all the columns with detail without clubbing of prices. No post tender correspondence will be entertained on quoted price. However in case of changes in statutory taxes and duties the same should be brought to the notice of JKSPDC authority immediately and the same may be considered if only rate per unit basic price is mentioned in the original offer. Incomplete price bid will be liable of rejection.

PLACE :

SIGNATURE OF THE TENDERER :

DATE :

NAME :

DESIGNATION (SEAL) :

ANNEXURE- VIII
TENDER SPECIFICATION No. LJHP/08 of 2011

COMPOSITE BANK GUARANTEE

This Guarantee Bond is executed this _____ day
_____ of _____ 20____ by us the
_____ (Bank) at
_____ P.O. _____ P.S. _____
Dist. _____ State _____.

WHEREAS the Jammu & Kashmir State Power Development Corporation Limited a company incorporated under the Companies Act, 1956 (herein after called the Company) has placed order No.

_____ Dt. _____ (hereinafter called "the agreement") on M/s
_____ (herein after called "the contractor") for carrying
out repair work AND

WHEREAS the contractor has agreed to carry out the work to the company in terms of the said agreement, AND

WHEREAS the company has agreed (1) to exempt the contractor from making payment of security (2) to release 95% payment of the cost of materials as per the said agreement and (3) to exempt from performance guarantee on furnishing by the contractor to the company a Composite Bank Guarantee of the value of 10% (ten percentage) of the said agreement.

NOW THEREFORE in consideration of the Company having agreed (1) to exempt the contractor from making payment of security (2) releasing 95% payment to the contractor (3) to exempt from furnishing performance guarantee in terms of the said agreement as aforesaid, we, the _____ Bank (hereinafter referred to as 'the bank') do hereby undertake to pay to the company an amount not exceeding Rs. _____ (Rupees _____) against any loss or damage caused to or suffered by or would be caused to or suffered by the company by reason of any breach by the said contractor (s) of any of the terms or conditions contained in the said agreement.

2. We the _____ do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the company stating that the amount claimed is due by way of loss or damage caused to or suffered by the company by reason of any breach by the said contractor (s) of any of the terms or conditions contained in the said agreement or by reason of the contractor(s) failure to perform the said agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____ (Rupees _____).

3. We the _____ Bank also undertake to pay the company and money so demanded not withstanding any dispute or disputes raised by the contractor (s) in any suit or proceeding instituted / pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this Bond shall be a valid discharge of our liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.

4. We, (_____) further agree that the guarantee herein contained shall remain in full force and affect during the period that would be taken for the performance of the said agreement and that it shall continue to be so unforceable till all the dues of the company under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Authorized officer of Jammu & Kashmir Power Developement Corporation Lt d., Srinagar certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor (s) and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the (_____) we shall be discharged from all liability under this guarantee thereafter.

5. We, (_____) further agree that the company shall have the fullest liberty without our consent and without effecting 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) and we shall not be relieved from our liability by reason of any such variations or extension being granted to the said Contractor(s) or for any forbearance, act or omission on the part of the company or any indulgence by the company to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provisions have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the name, style and constitution of the bank or the Contractor (s).

7. We, (_____) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the company in writing.

Dated at _____ the _____ day of _____

Two Thousand _____.

For _____
(Indicate the Name of the Bank)

WITNESS :

1. _____ 2. _____

N.B. :-

- | | |
|---------------------------------------------------------------------------|---------------------------------------------------------------|
| 1. Name of the Supplier | 2. No. & Date of order / agreement. |
| 3. Name of the Bank | 4. Validity period or date upto which the guarantee is valid. |
| 5. Signature of the constituent
Authority of the Bank with Seal | |

ANNEXURE- IX
TENDER SPECIFICATION

On Rs. 100/- Non-Judicial Stamp Paper

BANK GUARANTEE (SECURITY AGAINST HANDING OVER) FORMAT

To

**Jammu & Kashmir State Power
Development Corporation Ltd.
Shaw Inn Boulevard Srinagar
Kashmir 190001**

1. Pursuant to the Contract/ Work Order (hereinafter referred as the contract) which _____ (Parties name and address) (hereinafter referred to as the contractor which expression shall include its successors, administrators, representatives and assignees) have concluded with M/s **Jammu & Kashmir State Power Development Corporation Ltd., Shaw Inn Boulevard Srinagar Kashmir 190001** _____ (address) (hereinafter referred to as the client which expression shall include its successors, administrators, representatives and assignees) vide Contract/ Work Order No. _____ and dated ___the Contractor have undertaken to effectively repair the _____ (specification).
2. According to the said Contract/ Work Order, the Contactor has undertaken to provide an irrevocable B.G. for Rs. _____ as security deposit (towards indemnification against loss or damage) for due fulfillment by the said contractor of the terms and conditions contained in the Contract /Work Order.
3. We, _____(Bank), _____ (address) (hereinafter referred to as Bank which expression shall include its successors, administrators, representatives and assignees) at the request of the said Contractor do hereby to pay to JKSPDC an amount not exceeding Rs. _____ (in words) _____ against any loss or damage caused to or suffer or would be caused to or suffered by JKSPDC by reason of any breach by the said contractor of any of the terms and conditions contained in the said Contract /Work Order.
4. We, _____(Bank) do hereby undertake to pay the amount due and payable under this Guarantee without demur, merely on a demand from JKSPDC stating that the amount claimed is due by way of loss or damaged caused to or would be caused to or suffered by JKSPDC by reason of breach of the said contractor if any of the terms and conditions contained in the said contract / work order or by reason of the said contractor failure to perform the said contract.

Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this guarantee.

5. We, _____ Bank undertake to pay JKSPDC any money demanded notwithstanding any disputes raised by the said Contractor in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under this guarantee shall be a valid discharge of our liability for payment thereunder and the said contractor shall have no claim against us for making such payment.

6. We, _____ Bank further agrees that the guarantee herein contained shall remain in full force and affect during the period that would be taken for the performance of the said contract and that it shall continue to be valid till take over of the _____ as specified in the said contract or till JKSPDC certified out by the said contractor and accordingly discharges and return this guarantee to us.

The guarantee will not be discharged due to change in the constitution of the Bank of the contractor.

7. We _____ Bank undertake not to revoke this guarantee during its currency except with the previous consent of JKSPDC in writing. Notwithstanding anything contained herein above our liability under this guarantee is restricted to Rs. _____ (in words)

_____. This guarantee will expire on _____(date). Any claims under this guarantee must be received by us in writing on or before _____ (date) and if no such claims has been received by us by that date all your rights under this guarantee till cease to exist.

For _____ Bank

Authorized Signatories

Witness

Seal of the Bank

