

**RAJASTHAN RAJYA VIDYUT UTPADAN NIGAM LTD.**

Corporate Identity Number (CIN)-U40102RJ20000SGC016484  
Regd. Office & H.O. : Vidyut Bhawan,Janpath,Jyoti Nagar,Jaipur-302005

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**Bidding Document NO./RVUN/PPMC&IT/TN-08/21-22**

**For**

**Detailed/ Mandatory Energy Audit of RVUN Power Stations**

- Last date of submission of  
Techno-Commercial BID (Part-A):-12/10/2021(**up to 3:00 PM**)
  
- Opening date and time of  
Techno-Commercial BID (Part-A):-14/10/2021(**at 11:00 AM**)

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## Section-A

### INSTRUCTION TO BIDDERS

#### 1. BIDDING PROCEDURE

- (a) Bids shall be submitted only through on-line, E-Tendering Process and all blanks in the bid & the schedules to the specification shall be duly filled in. The completed forms & schedules to the specification shall be considered as part of the contract documents in case of successful bid(s).
- (b) The bidder who chooses to participate will have to register themselves on website <http://www.eproc.rajasthan.gov.in> for participating in this tender. For this purpose Digital Signature Certificate (DSC) have to be obtained from any agency approved for the purpose. This DSC will be used to sign the bids submitted online by the bidder. Unsigned tenders will not be entertained and will be rejected outrightly.
- (c) The bidder shall submit their offer only in online electronic format both for technical & price bid / financial bid on website <http://www.eproc.rajasthan.gov.in> and all documents should be digitally signed. However signed and stamped copies of payment advice/unique transaction reference number ( UTR no.) of transaction for tender fees, EMD ( if submitted in option-I) and original DD of processing fee along with original Bid Security Declaration on NJSP ( Govt of Rajasthan) of worth Rs. 50/- + surcharge@ 30% ( if EMD / Bid security submitted in option-II) , should be submitted physically in the office of Superintending Engineer (Montg.&IT), RVUN, Jaipur, up to scheduled date & time specified in the tender document & their scanned copy should be uploaded along-with the technical bid otherwise technical bid will not be opened even-though they have uploaded the copies of the same on e-proc portal.
- (d) Tender document consists of the complete specifications, various schedules/Annexure, price schedule and Misc. sections to be filled/complied by the bidder.
- (e) The tenders shall be submitted in three covers as detailed below:-
- Cover-1:** Scanned copies of DD/BC/ UTR of the Tender Cost, EMD/ Bid security declaration and e-procurement processing fee.
- Cover-2:** Digitally signed Complete Tender Document except price bid along-with duly filled Tender forms and schedules and all addendum/ amendments issued and uploaded by the RVUNL on the above website.
- Cover-3:** Financial / Price bid / BOQ (.xls)

## 2. SCHEDULE OF BID ACTIVITIES:

<b>S N</b>	<b>Item</b>	<b>Particulars</b>
01	Name of work	Detailed/ Mandatory Energy Audit of RVUN power stations viz. SSTPS(6X250MW), KSTPS(2X110MW+3X210MW+2X195MW),DCCP(3X110MW),CTPP(4X250MW), CSCTPP(2X660MW),RGTPP(110.5 MW & 160 MW)
02	Tender Fees ( Non refundable)	Tender fee of Rs. 500/- + 18 % GST which is either to be paid in the Form of bankers cheque/ DD of nationalized/ scheduled bank <b>or</b> Through NEFT/RTGS/IMPS in favour of Sr. AO (EA-Cash), RVUNL, Jaipur. The details of bank account are as follows: A/c no:-51093320910 Bank name:- State Bank of India, Jaipur collectorate Branch IFSC code:- SBIN0031026
03	E-Tender processing fee ( Non refundable)	Rs. 1000/- + 18 % GST ( to be paid in the form of DD of nationalized/ scheduled bank in favour of Managing Director, RISL, payable at Jaipur)
04	Bid security declaration towards EMD	Rs. 46,000/- through bankers cheque/ DD of nationalized/ scheduled bank /NEFT/RTGS/IMPS in favour of Sr. AO (EA-Cash), RVUNL, Jaipur <b>or</b> The bidder should submit bid security declaration on Rs. 50 Rajasthan NJS with surcharge of 30%.The Performa for bid security declaration is attached with tender documents. The bid security declaration in original is to be submitted before last date and time
05	Prices	The bidder shall quote their price on firm/ fixed basis
06	Validity of Bid	120 days from the date of opening of technical bid

- (a) After making payment through digital mode, it is mandatory for every participating bidder to send signed and stamped copies of payment advice / Unique Transaction Reference Number ( UTR no.) of transaction for tender Fees, EMD ( if submitted under option-I) and original DD of processing fee along-with original Bid Security Declaration on NJSP ( Govt. of Rajasthan) of worth Rs. 50/ - ( If EMD/Bid security is submitted under option-II) via in- person / by post in the office of Chief Engineer (PPMC&IT), RVUN, Jaipur, Room no. 311, 3<sup>rd</sup> floor, Rajasthali Mall, MI Road , Ajmeri Gate, Jaipur-302001.

Note:- After successful transaction through NEFT/RTGS, as per standard procedure it may take 4 to 24 hours in process of confirmation of NEFT through auto process depending on the time of NEFT done. Therefore, bidders are advised

to make transactions well before scheduled date and time to avoid any delay/ discrepancy.

In the case of EMD, alternatively the bidder may submit bid security declaration on Rs. 50 Rajasthan NJS in lieu of EMD as per Finance (G&T) Department, GOR order no. F2 (1) Fin./G&T/SPFC/2017 dated 23.12.20 and Rajasthan Stamp Act 1988 rule 3 (4), the stamp duty of R. 50/- and 30% surcharge on stamp duty in Rajasthan state shall be deposited/ applicable on bid security declaration. The Performa for bid security declaration is attached with tender documents. The bid security declaration in original is to be submitted before last date and time.

- (b) The bidder who has deposited the Bid security, tender document fees and processing fees up to the schedule date and time shall only be eligible for opening of the Bid Proposal.
- (c) The Bidder should upload scanned copy of DD/BC (Bid security, tender fee & processing fee) on E-procurement website. The original DD/BC shall be deposited in the O/o The Superintending Engineer (Montg.&IT), Rajasthan Rajya Vidyut Utpadan Nigam Limited, Room no. 311, Rajasthali Mall, Ajmeri Gate, MI Road, Jaipur (Rajasthan)- 302001 up to prescribed time & date.
- (d) The Bidder shall make digital sign on all the pages of the tender document in token of acceptance all terms and conditions.

### **3. BID OPENING AND EVALUATION :**

The financial/Price Bid will be opened only of those bidders whose bids have been found Techno- Commercial acceptable, on the specified date which shall be intimated later on.

If the dates specified for opening of tenders be declared as public holiday, the tenders shall be opened on the day on which office reopens after such holiday (s) in the manner as stated in aforesaid clauses without any notification.

The Bid shall be opened online at the time, date and place specified in the bid in the presence of the Bidders or their authorized representatives, who choose to be present. The Procuring Entity/Committee shall examine the Bid Proposals to confirm that all documents and technical documentation requested in, have been provided, and to determine the completeness of each document submitted. Notwithstanding the preliminary examination, RVUN will determine the substantially responsive bids which meet the following requirements:-

- Earnest money / Bid Security Declaration , tender Fee & processing fee.
- Responsive to all requirements of the bid documents and the instructions to bidders.
- Clarification and substantiation required to assess the quality of the offer.

RVUN will carry out a detailed evaluation of the bids in order to conclude whether the firm is qualified in accordance with the requirements set forth in the bid documents specifications/PQR. In order to reach such a conclusion, RVUN will examine the information provided in the schedules and the submitted supporting documents, on the basis of the information supplied by the bidders. The price –bid shall be opened only of those bidders, who are declared qualified in technical examination and evaluation. Tenders shall be ranked in increasing order of the tender price on the basis of quoted rates. Evaluation of price bids shall be done on the basis of plant wise evaluated Cost for Detailed / Mandatory Energy Audit as

quoted in Price Schedule. L-1 shall be decided on the basis of plant wise and lowest evaluated quoted price for each plant shall be considered for it and work order shall be placed accordingly.

RVUN does not pledge to accept the lowest or any tender and reserves the right to refuse the whole or any tender as it may think fit without assigning any reason. No tender shall be deemed to have been accepted unless such acceptance is notified in writing to the bidder by RVUN.

Notwithstanding anything stated above, the RVUN reserves the right to assess the capabilities and capacity of the bidder to perform the contract, should the circumstances warrant such assessment in the overall interest of the RVUNL.

- (a) The bidder shall be required to keep his offer valid for acceptance for at least 120 days from the date of opening of Techno-commercial bid
- (b) All tenders, in which any of the prescribed conditions are not fulfilled or which have been vitiated by errors in calculations, totaling or discrepancies in figures or words or other discrepancies, will be dealt according to provisions of RTPP Act 2012 and rules 2013.
- (c) No conditional tenders shall be accepted and will be rejected summarily forthwith,
- (d) The department will not be responsible for non submission of Bid due to any technical errors/problems. Thus bidders are advised to submit the bid well before the due date of submission to avoid any inconvenience.
- (e) Physical submission of bids is not allowed.
- (f) The bidder shall ensure that scanned copy of all the schedules/ annexure/ supporting documents as asked in tender documents have been duly filled up, attached and uploaded with the bid submitted in electronic format to avoid rejection.
- (g) The acceptance of the tender will rest with the competent authority who does not bind itself to accept the lowest tender, and reserves the authority to reject any or all the tenders received without assigning any reason.
- (h) No refund of tender fee, processing fee is claimable for tenders not accepted or for cancelled bid.
- (i) All other conditions shall be prevailing as detailed out in the tender documents.
- (j) Before submission of the tender, the bidders are requested to have themselves fully conversant with the tender specification and conditions to avoid rejection of bid.

**Superintending Engineer (Montg.&IT),  
RVUN, Jaipur**

## **Section-B**

### **GENERAL CONDITIONS OF CONTRACT**

The bidder shall be deemed to have carefully examined & made him fully conversant with the general conditions, specifications, schedules, scope of work and site conditions etc., before submitting the tender. If he has any doubt as to the meaning of any portion of the general conditions of tender specifications or about any point regarding site conditions, he shall seek necessary clarification before submitting his offer/bid.

#### **1. QUALIFYING REQUIREMENTS OF BIDDER:**

The Bidder shall furnish documentary evidence along with bid to establish that it fulfills the qualifying requirements set by the RVUN as laid down at clause 4.0 of Section-C.

#### **2. EVALUATION OF TECHNO-COMMERCIAL BID:**

- (a) The Techno-Commercial evaluation of the offers shall be carried out by the committee of the RVUN officers as constituted for the purpose by adopting the procedure as per Pre Qualifying Requirement (clause 4.0 of Section-C) prior to opening of price bids.
- (b) Bidder to note that in case the bidder does not techno-commercially qualify, his price cover shall not be opened and his bid shall be summarily rejected.
- (c) Evaluation of price bids shall be done on the basis of plant wise evaluated Cost for detailed energy audit as quoted in Price Schedule. L-1 shall be decided on the basis of plant wise and lowest evaluated quoted price for each plant shall be considered for it and work order shall be placed accordingly. Format of price bid is available at **Schedule-4.**

#### **3. ACCEPTANCE OF BID:**

- (a) The order placing authority is not bound to accept the lowest bid or any other bid or assign any reason for the rejection of the bid. The order placing authority also reserves the right to either to call for fresh bid or accept either the whole or a part of bid or to place order for any increased or decreased work on the basis of prices quoted.
- (b) RVUN has full right to award contract for single station or for more to a bidder.

#### **4. CONTRACT DOCUMENTS AND AGREEMENT:**

- (a) The order placed under this specification shall be governed by the terms and conditions as incorporated in this section of the specification and as given in the work order and it's annexure (s). The terms and conditions specified in this section, if differ from the terms as indicated in the work order and its annexure (s), the later shall prevail. The contract shall for all- purpose be constructed according to the laws of India and subject to Jurisdiction of Jaipur Courts only. For the fulfillments of the contract the bidder shall execute an agreement in triplicate in the prescribed form to be obtained from the order placing authority on non-judicial stamp paper of appropriate value as per stamp Duty applicable in Governments of Rajasthan. Such

agreement shall be executed and signed by the competent authority of the bidder on each page thereof. The original copy is only to be executed on the stamp paper. The remaining two copies may be executed on simple paper. Such complete agreement form along with the Contract document shall be required to be submitted to the order placing authority within a period of 15 days from the receipt of order. One copy of executed agreement duly signed by the order placing authority shall be sent to the bidder for his reference. The contract document shall include the following.

Contract Agreement (as per Appendix-C),  
Work Order and its annexure,  
Terms & Conditions under Section 'B' of the tender specifications,  
Scope of works under Section 'C' of tender specifications,  
Appendix-A,B,C, D,E & F.  
Schedule-1, Schedule-2 and Schedule-3.

- (b) The charges in preparation of the contract shall be borne by the bidder. The Bidder shall be furnished with an executed counter part of the agreement.

**5. CORRESPONDENCE:**

All correspondence pertaining to the work order in respect of any clarification required in the terms and conditions, contract documents, scope of work etc. should be addressed to **The Superintending Engineer (Montg.&IT), Rajasthan RajyaVidyutUtpadan Nigam Limited, Room no. 309, Rajasthali Mall, Ajmeri Gate, MI Road, Jaipur (Rajasthan)- 302001, or e-mail at [ce.ppmcit@rvun.com](mailto:ce.ppmcit@rvun.com)/dyce.mc.jpr@rvun.com.**

**6. CHANGE OF NAME OF BIDDER:**

At any stage after tendering the order placing authority shall deal with bidder only in the name and at the address under which he has submitted the tender. All the liabilities / responsibilities for due execution of the contract shall be that of bidder. Under no circumstances he shall be relieved of any obligations under the contract. The Order placing authority may however at his discretion deal with the agent / representatives / sister concerns and such dealing shall not absolve the bidder (s) from his responsibilities/ obligations/liabilities of the under the contract. Any change/alteration of name/constitution/Organization of the bidder shall be duly notified to the order placing authority and order placing authority reserves the right to determine the contract in case of such notification. In the event of such determination, they may get the portion work or whole piece of work not executed by the bidder, in time or done in violation of the contract, from else-where at risk and cost of bidder.

**7. SUB-LETTING:**

The bidder shall not be allowed to sublet the contract without written consent of RVUN.

**8. EARNEST MONEYDEPOSIT (EMD)/ BID SECURITY DECLARATION :**

Before submitting the tender, the bidder shall deposit an amount of 46,000/- as bid security ( EMD) through bankers cheque/ DD of nationalized/ scheduled bank /NEFT/RTGS/IMPS in favour of Sr. AO (EA-Cash), RVUNL, Jaipur



Alternatively, the bidder may submit bid security declaration on Rs. 50 Rajasthan NJS in lieu of EMD as per Finance (G&T) Department , GOR order no. F2(1) Fin./G&T/SPFC/2017 dated 23.12.20 and Rajasthan Stamp Act 1988 rule 3 (4) , the stamp duty of R. 50/- and 30% surcharge on stamp duty in Rajasthan state shall be deposited/ applicable on bid security declaration. The Performa for bid security declaration is attached with tender documents. The bid security declaration in original is to be submitted before last date and time.

- (a) Any bid not accompanied by the EMD/ Declaration in any of the above form may be rejected by the owner as non-responsive. The earnest money shall be forfeited if the bidder withdraws its bid or if a successful bidder declines to sign the contract documents within the time specified.
- (b) The EMD of the successful bidder shall be adjusted in the Contract Security Deposit.
- (c) Unsuccessful Bidders' EMD will be discharged / returned after signing of contract agreement with successful bidder i.e. finalization of the contract in favor of the successful bidder.
- (d) The EMD may be forfeited or bid security amount of 46,000/- shall be payable in the following cases :
- When the bidder does not execute the agreement (signing of contract) within the specified time period in NIB/ LOI/ Work order.
  - When the bidder fails to commence related service as per order with in the time specified.
  - When a bidder withdraws his bid during the period of bid validity.
  - When the bidder breaches any provision of the code of integrity and does not accept the correction of its bid price.
- (e) No interest shall be payable by the Owner on the EMD/ Security Deposit.

**9. CONSTRUCTION OF CONTRACT:**

The contract shall in all respect be deemed to be and shall be constructed and shall operate as per Indian Contracts Act, 1972 and all payment hereunder shall be made in rupees unless otherwise specified.

**10. ACCEPTANCE OF ORDER:**

The acceptance of the order shall be conveyed to the order placing authority within 7 days of the receipt of order failing which it will be presumed that terms and conditions incorporated in the order have been accepted by the bidder.

**11. SECURITY DEPOSIT:**

The successful Bidder shall have to furnish within 30 days after issue of Letter of Intent (LOI), Security Deposit equal to 2.5% (Two and half percent only) of the total accepted contract value for proper fulfillment of the contract .In case of successful bidder, the amount of E. M. D. ( If submitted under option-I) shall be adjusted into Security Deposit. Balance Security Deposit shall be in the form of Cash or Bank Guarantee in a format approved by RVUN from any schedule bank of India on Rajasthan Government non-judicial stamp paper of appropriate value for ensuring full and satisfactory performance of their services/contract in

accordance with the terms and conditions of this contract valid for the period of three (03) months after rendering all the detailed energy audit work. The Bank guarantee shall be furnished before drawing/claiming any payment against this contract. The successful Bidder shall have to extend the validity of BG as required by RVUN. The security deposit is refundable after 3 (three) months, after satisfactory completion of the contractual obligation.

- a) The proceeds of the Security Deposit shall be payable to the Company as compensation for any loss resulting from the Bidder's failure to complete his obligations under the contract.
- b) In case the bidder does not complete the work or leaves the work or part of it unfinished without any justified reasons, the SD in part or whole will be forfeited. No interest shall be payable on such deposits.

#### **12. FORCE MAJEURE CONDITIONS:**

If any time during the currency of the contract the performance in whole or in part is prevented or delayed or the bidder is not able to arrange execution of the work by reasons of any war, hostility, acts of public enemy, civil commotion, sabotage, fire, floods, explosion, epidemics, quarantine, restriction, strikes, lockouts, or act of God (hereinafter referred to as Events), then will give notice and adequate proof of execution performance of work having suffered on account of these events is given within 24 hours from the hour of occurrence and further in case of strike/ labour dispute prolongs beyond a period of 48 hours, the bidder shall immediately inform to RVUN. RVUN reserves the right to get the work done from any other agency at the cost and risk of the bidder.

#### **13. BASIS OF EVALUATION OF THE OFFERS:**

- (a) The Techno-Commercial evaluation of the offers shall be carried out by the committee of the RVUN officers as constituted for the purpose by adopting the procedure as per Pre Qualifying Requirement (clause 4.0 of Section-C) prior to opening of price bids.
- (b) Bidder to note that in case the bidder does not techno-commercially qualify, his price cover shall not be opened and his bid shall be summarily rejected.
- (c) Evaluation of price bids shall be done on the basis of plant wise evaluated Cost for Detailed / Mandatory Energy Audit as quoted in Price Schedule. L-1 shall be decided on the basis of plant wise and lowest evaluated quoted price for each plant shall be considered for it and work order shall be placed accordingly. Format of price bid is available at **Schedule-4.**

#### **14. MODE OF PAYMENT:**

The payment for the aforesaid work shall be released as follows:

- (a) 10% payment after conducting preliminary study and submission of the report there of.

- (b) 50% payment after conducting measurements at site / fielding testing and submission of draft energy audit report.
- (c) 40% payment after submission of final report & Form-II thereof in acceptable form.

After completion of the work for any stage mentioned above, the firm has to submit the Invoice in three copies to the work executing authority i.e. Engineer-in-charge, of the respective power stations along with the supporting documents which are essential for ascertaining the work / part of work completed. Same will be verified by concerned officers and shall be forwarded to the respective Accounts Head for arranging payment. Failure in submission of these documents may cause delay in releasing the payment.

#### **15. RATES:**

- a) The quoted rates in lump sum for Detailed Energy Audit (as per Price Bid) should be firm in all respect inclusive of all taxes, duties, labour charges, T&P, consumable, insurance, statutory levies except GST which is payable extra at actual. **The GST must be quoted / claimed separately in the price bid / quotation / schedule of rates itself.**

#### **16. TAXES & DUTIES:**

Statutory variation in any taxes, duties or other statutory part during the entire contract period shall be at RVUN part against production of documentary evidence within original or extended work completion period. However, in case of delay in execution of the work beyond stipulated period the same will be payable by the bidder.

#### **17. OBLIGATION OF THE BIDDER:**

- a) One person will be nominated as site-in-charge by the bidder and site-in charge will keep contact with Engineer-in-charge at all time and ensure compliance of the instructions as may be given by the Engineer-in-charge or his authorized representative in relation to execution of work.
- b) The successful bidder shall have to coordinate with the Engineer-in-charge so as to provide work progress as may be required. The work shall be planned one day in advance.
- c) The normal working hours in plant shall be generally from 9.00 AM to 5.00 PM in general shift. However the work may also be required to be done in one or more shifts round the clock or as required for running of plant smoothly.

#### **18. MEDICAL SUPERVISION & CARE:**

The bidder shall be fully responsible for providing safety equipment first aid and emergency medical treatment to his employees. Necessary arrangement for this purpose shall be made by the bidder.

**19. LIABILITY FOR DAMAGES:**

- a) If due to bidder negligence and / or non-observance of safety and other precautions, any accident/injury occurs to any other person/public the bidder shall have to pay necessary compensation & expenses, if so decided by the statutory authorities under labour laws and / or rules made there in force from time to time.
- b) If due to bidder carelessness, negligence of non-observance of safety precaution damage to property and personals should occur, the same will be recovered from the running bills of the bidder and / or from his security deposit.

**20. WITHHOLDING OF PAYMENT:**

RVUN may with hold the whole or part of any payment for work claimed by the bidder, which in the opinion of the order placing authority is necessary to protect RVUN from loss on account of

- a) Claim filed against the bidder.
- b) Failure of the bidder to make due payment for labor employed by him.
- c) Damage to third party / Company property.
- d) Insufficient / unsatisfactory progress.

When grounds of withholding payment are removed, to the satisfaction of Engineer in-charge, payment of the withhold amount to the bidder shall be made by the RVUNL.

**21. REGARDING PERSONNEL OF BIDDER:**

- a) The Engineer-in-charge shall be at liberty to object to the supervisor or any person employed by the bidder in the execution of the contractual work who commits misconduct or be incompetent, or negligent and the bidder shall remove the person so objected by Engineer-in-charge or on receipt of notice in writing requiring him to do so and shall provide in his place competent supervisor/person at the bidder's expenses for the contractual work.
- b) Bidder/his representative/Supervisor shall abide by all general rules and regulations in force on the site and to any special conditions imposed by the local administration. The general discipline of the plant shall be maintained.

**22. PENALTY FOR DELAY IN EXECUTION OF WORK:**

The bidder has to discharge the duties timely as per terms & conditions laid down in the contract. In case of any default or delay on the part of the bidder for not completing the contractual work in time as per requirement of the contract, recovery shall be made from him @ ½% per week or part thereof subject to a maximum of 10% of the work order.

**23. ACTION FOR NEGLIGENCE AND DEFAULTS OF THE BIDDER:**

- a) If the bidder fails to discharge the duties as per terms and conditions laid down in the contract or causes delay in submission of due reports, the order placing authority or the concerned Engineer in charge at his discretion will be entitled to

effect, the deduction from the bidder's running bills as described in Section "C" of this tender specification.

- b) If it is found that the lapses on the part of the bidder are repeated and there is no improvement in the working in spite of informing the bidder by Engineer in charge verbally and / or in writing from time to time and also making deductions under aforesaid clauses of the contract, may after giving 7 days notice in writing to the bidder to terminate the contract beside getting the work done from other agency even during the notice period at cost and risk of the bidder and reserves the right to recover such from the bills of the bidder and / or security deposit or otherwise.

**24. CONSUMABLE**

All the consumables shall be arranged by the bidder at his own cost.

**25. ENGINEER-IN-CHARGE FOR THE WORKS:**

The detailed energy audit work shall be carried out under the supervision of the concerned Engineer-in-charge and / or his authorized officers, of the respective plants.

**26. SAFETY DEVICES:**

The bidder shall provide all the required safety appliances to the workers/ staff as may be warranted for the safety of the workers during the course of the work. Safety devices like safety belt, safety Helmet, Ear protector, welding glass, welding gloves, Asbestos gloves etc shall be kept at site for use of workers.

**27. BIDDERS RESPONSIBILITY TOWARDS THEFT:**

The bidder will be responsible in case he / they or their workmen are found committing theft. The FIR will be lodged with police against the delinquent (s) & concerned bidder & penalty of Rs. 1000/- (Rs. One Thousand Only) will be recovered in each case as a token penalty. However, in case of occurring more than three such incidents, such bidder will be black listed and no contract will be awarded to him for a further period of three years & all the existing contracts will be liable to be cancelled along with forfeiture of Security Deposit.

**28. TAX DEDUCTIONS:**

The tax deduction at applicable rates from time to time will be made from the running bills of the bidder by the respective Accounts Offices.

**29. DISPUTES:**

In case of any dispute, the decision of the **Addl. Chief Engineer (PPMC,PTD&Trg.), Jaipur will be final or otherwise, jurisdiction of court will be at Jaipur.**

**30. ELECTRICITY AND WATER:**

Electricity and Water if required will be provided by the RVUN free of cost at any one point available at Site to execute the contract.

**31. DISPOSAL OF WASTE MATERIAL:**

The bidder shall not leave any waste material at the site of work on completion of the job. The waste material should be removed and disposed to a place to be indicated by the Engineer in charge. The bidder's bills shall not be verified unless the work site has been completely cleared off all the waste material / debris.

**32. GATE PASSES:**

- a) After award of contract, the bidder shall intimate the name and required particulars of persons to the concerning Engineer in charge for preparation and issue of Gate pass required for entry in to the plant premises. No person will be allowed to enter in the plant premises without valid Gate pass. If the Gate pass is lost, the cost of renewal will be borne by the bidder. The bidder's workers will not be allowed to go outside the plant during working hours / shift once they have entered in the plant premises.
- b) In case of completion / termination of the contract or any individual worker leaving the job or his services being terminated by the contract, the Gate passes of such worker(s) will be immediately surrendered by the bidder to the Engineer in charge failing which it will be considered as a breach of contract.

**33. TERMINATION OF CONTRACT:**

RVUN reserves the right to cancel the contract at any moment without assigning any reason. If the bidder fails to carry out satisfactory work under this contract, The **RVUN** at its discretion, get the work done by another party or parties at his risk and cost without prejudice to the RVUN's right under the terms & conditions of this contract and any extra expenditure involved in this regards, shall be recovered from the bidder.

- a) The Bidder shall be required to deposit the amount of recoveries finalized within a period of 30 days of receipt of intimation falling which the dues shall be recovered from the financial hold of the bidder available with the Company. In case, where the amount of recoveries against a bidder exceed its financial hold, the Company will be at liberty to effect such recoveries out of the financial hold/pending payments of the bidder available with other successor companies of erstwhile RSEB/ with other power generating units of RVUN.

**34. VALIDITY:**

The rates quoted by the bidder should remain valid for a period of 120 days from the date of opening of technical bid.

**35. DEVIATION:**

Acceptability of deviation from any commercial terms & condition quoted by bidder is entirely on discretion of RVUN. The price loading decided on account of such deviations by RVUN shall be binding on bidders.

**36. FACILITIES TO BE PROVIDED BY RVUN:**

The facilities that will be provided by RVUN are as below: -

- a) Reasonable ordinary furnished office accommodation at site free of cost for the bidder's engineer's personnel. However, the bidder will provide their own secretarial staff and facilities including office stationary and equipment.

- b) Accommodation for the visiting Engineers of the Bidder at project site will be provided by RVUN to the extent available in RVUN Guest/Circuit Houses at the rates applicable.
- c) Transport from site to the residence of the bidder's Engineer and vice versa shall be arranged by the bidder.
- d) Medical facilities if available will be provided at the project site but the cost of same will be borne by the bidder.

**Superintending Engineer (Montg.&IT),  
RVUN, Jaipur**

## Section-C

### SCOPE OF WORK & TIME SCHEDULE

#### Scope of Work for Detailed/ Mandatory Energy Audit and Performance Evaluation of RVUN power stations

#### 1. PROJECT INFORMATION OF ALL THE PLANTS:

Name of the plant	Particulars
KTPS, Kota	KTPS is situated on the left bank of the Chambal River at KOTA with installed capacity of 1240 MW and units (2X110MW, 3X210MW, 2X195MW)
STPS, Suratgarh	STPS is situated at a distance of 27 Kms. from the Suratgarh Tehsil near village Rayanwali having an installed capacity of 1500 MW (6 units of 250 MW each).
DCCP, Dholpur	DCCP, Dholpur is having 2X110MW G.T. and 1X110MW S.T. totaling to 330 MW capacity.
RGTPP, Ramgarh	RGTPP is around 60 Kms. from Jaisalmer .Stg-I:- 1X35.5MWGT+StgII:-37.5MW GT&37.5 MW ST +Stg-III:- 110MW GT & 50MW ST totaling to 270.5 MW capacity
CTPP, Chhabra	Situated in district Baran. Having installed capacity 1000 MW ( 4X250 MW )
CSCTPP, Chhabra	Situated in district Baran. Having installed capacity 1320 MW ( 2X 660 MW )

**Note:** Besides above, in case of DCCP, Dholpur combined cycle power station, units remain mostly under shutdown condition, due to not being allowed to run by SLDC being stood lower position in merit order despatch; therefore detailed energy audit have to be carried out in case of running of units for which the prospective bidder will have to get prepared at a short notice from the power station authorities.

#### 1.1 PRELIMINARY STUDY:

- Visit to plant site & discussion with plant management on Base Line Energy Audit if done, Energy Efficiency, Rated plant data, OEM curves.
- Collection of base line energy audit report and other related correspondences in connection with the Base line Energy Audit.



- Collection of various data and discussions with plant authorities regarding various inputs required for conducting energy audit.

## **1.2 DETAILED ENERGY AUDIT:**

- To conduct detailed energy audit of each unit and performance evaluation test as per relevant codes and standards of the systems/ sub systems/ equipments/ processes of the plant to identify future energy saving in different area in order to achieve the targeted saving by the target year and to take up implementation activities.
- To identify cost effective energy saving opportunities of short, medium & long term for machines, chemical recovery, power plant & water intake cum distribution system.
- Detailed study of all electrical system, thermal system, and process.
- Efforts to be made to identify base load energy consumptions with objective to optimize the same.
- Key Utilities such as compressed air, water management (pumping system), lightings, and air conditioning system would also be subjected for detail investigation to optimize energy consumption.
- To ascertain present specific power consumption in kWh/ton, MCal/ton & TOE for all key sections as indicated above.
- Attempt would also be made to not only full fill the target set by competent government authority but also exceed the target setting enable the organization to get energy saving certificate which would be sold to other organizations.
- To develop an action plan for time bound implementation activities & review energy monitoring system at key consuming centers.
- Detailed energy audit report would be submitted to the management along with cost benefit economics and its detailed calculations, formulas applied and methodology used.

Note:-The Systems/Sub-Systems which are required for preliminary study, detailed energy audit under this scope for KTPS, Kota/STPS, Suratgarh/, CTPP, Chhabra,CScTPP, Chhabra, DCCP, Dhoulpur/ and RGTPP, Ramgarh are attached at Annexure-I &II respectively. The systems and sub-systems indicated in these annexure are only for indicative purpose. However, the bidder is required to carry out the detailed energy audit work as per actual site requirement and as per BEE guidelines arising out under PAT rules during upcoming PAT cycle period.

## **2. The methodology and general instructions is as under:**

- i. PG Test/ Design data will be provided by KTPS/STPS/CTPP/CSCTPP/DCCP/RGTPP.
- ii. Energy audit should be carried out as per the guidelines given by CEA, Energy Conservation Act, 2001 and BEE latest guidelines in this regard.
- iii. The Energy Audit reports shall also include as desired under Energy Conservation Act Form-1, Form-2 and Form-3 etc. given in concerned regulation of Act. The energy audit report should be structured as detailed in Energy Conservation Act, 2001 and BEE latest guidelines in this regard.

- iv. The work of energy audit shall be carried out by the energy auditors duly accredited by Bureau of Energy Efficiency. However, the Energy Auditors at respective plants (From RRVUNL's Side) will associate with energy auditing team and form part of the audit team with due credentials in Energy Audit Report.
- v. The accredited energy auditors will also do the requisite documentation for KTPS/STPS/CTPP/CSCTPP/DCCP/RGTPP as required under Energy Conservation rules (PAT rules) of BEE.
- vi. **Recommendations:** Immediately after energy audit, the Audit party should prepare and submit preliminary energy audit report to KTPS/SSTPS/CTPP/DCCP/RGTPP for comments. The audit report should be a comprehensive report as per BEE guidelines. Final energy audit report shall be prepared after acceptance of the preliminary report by CTPP/DCCP/RGTPP/CSCTPP/KTPS/STPS which shall incorporate all comments of CTPP/DCCP/CSCTPP/RGTPP/KTPS/STPS Final Energy Audit report (5 Nos. of hard copies and one soft copy) for each energy audit should bring out recommendations for: -
  - a) Achieving the designed and guaranteed parameters.
  - b) Improvement of overall plant performance. Recommendations, which involve cost, should be in the form of cost benefit analysis.
- vii. **Accuracy of instruments, test procedure:** The performance evaluation shall be carried out by adopting test procedure guidelines stipulated in recognized test code ASME-PTC-6S for steam turbine cycle and ASME-PTC-4.1 for boiler performance evaluation and other relevant ASME standards. List of instruments and devices used during audit with high accuracy level and traceability of calibration status. The list of instruments to be used by the bidder is to be submitted with proper calibration certificate before commencement of measurement. Equipments/ instruments/T&P used during energy audit test with following minimum accuracy level :
 

a) Power analyzer	0.1%
b) Pr , Level, Flow, Temp Tx	0.5%

All other equipment/ instruments /T&P used during energy audit should have minimum accuracy of 0.5% and as per ISI standard for measurement purpose.
- viii. **Presentation:** Bidder to give presentation at KTPS/STPS/CTPP/DCCP/CSCTPP/RGTPP TPS at their own, on which should include methodology being adopted – accuracy of instruments being used – test schematic being adopted by them for each area.
- ix. **Training of KTPS/STPS/CTPP/DCCP/RGTPP Engineers:** Training of power plant engineers is to be conducted on energy efficiency and for routine efficiency check at KTPS/STPS/CTPP/DCCP/CSCTPP/RGTPP.
- x. For KTPS, Kota unit cost for 110 MW, 195 MW & 210 MW must be same.
- xi. For RGTPP and DCCP, GT&ST should be considered as single unit.

- xii. The Accredited Energy Auditors should fulfill the obligations and shall comply all the guidelines as prescribed in the relevant rules and regulations under Energy Conservation Act, 2001
- xiii. The Accredited Energy Auditor will have to sign/ verify the Form-3, submitted by the concerned power station for the complete upcoming PAT cycle.

### **3. TIME SCHEDULE & COMPLETION PERIOD:**

Time in essence is as mentioned below:-

S. NO.	DESCRIPTION OF ACTIVITY (For all the units)	Maximum time frame from the date of order placement
1.	Preliminary study and preparation of action plan	15 Days
2.	Detailed energy audit and submission of draft report	60 Days
3.	Submission of final energy audit report and Form-II thereof in acceptable form	90 Days

### **4. PRE-QUALIFYING REQUIREMENTS:**

To qualify in this bidding process the bidder should have following minimum qualification requirements. The bidder should submit supporting documents in support of his qualification:-

- (i) A firm registered under the Indian Partnership Act, 1932 (9 of 1932) or a company incorporated under the Companies Act, 1956 (1 of 1956) or any other legal entity competent to sue or to be sued or enter into contracts must have minimum one **BEE Accredited Energy Auditor (AEA)** whose name is included in the list of the accredited energy auditors maintained by the Bureau under regulation 7 of the Bureau of Energy Efficiency (Qualifications for Accredited Energy Auditors and Maintenance of their list) Regulations, 2010 and three Certified Energy Auditors who will conduct the detailed energy auditing work under the trade name of their firm. In case of consortium / Joint Venture of two parties, the lead firm should fulfill all qualifying criteria.”
- (ii) The bidder must have successfully conducted energy audit of minimum 2 (two) units of minimum 210 MW capacity of Thermal Power Plants as per CEA,BEE guide lines .The firm should have adequate expertise of field studies including observations, probing skills, collection and generation of data, depth of technical knowledge and analytical abilities for undertaking verification and check-verification. Experienced and reputed service providers in the field are required to send their detailed particulars of the similar job carried out earlier. The prospective bidders shall produce documentary proofs of their having such experience. The bidder shall also provide valid contact details of their clients to enable RVUN to verify the qualifying requirements of the consultant.

- (iii) The bidder should have a valid registration for GST & PAN No.
- (iv) The average annual turnover of the bidder must be minimum Twenty Three Lacs in last three consecutive financial years prior to the date of opening of tender. The audited P&L and balance sheets for the above three financial years should be enclosed with the bid or to be certified by the practitioner CA.
- (v) The bidder should have strong team to conduct detailed energy audit and should furnish details of the team in following manner:-
  - (a) Team member's expertise in the relevant field of energy audit, data management and record keeping for PAT.
  - (b) Track record of the team in carrying out detailed energy audit under PAT scheme.
  - (c) Names and track record of senior personnel dedicated to the project, and their working experience in India.
  - (d) Team members should either be employees or should be having a long-term contract with the organization.

**5. List of persons engaged for Station:**

The bidder shall indicate the details of persons going to be engaged by him for a particular station for the detailed energy audit work as per the format given under Schedule-3.

**Suptg. Engineer (Montg.&IT),  
RVUN, Jaipur**

**Annexure-I**

Sr. No.	Details of systems/sub-systems for KTPS, Kota, STPS, Suratgarh, CTPP, Chhabra and CSCTPP, Chhabra
1	<p style="text-align: center;"><b><u>Boiler</u></b></p> <p>Evaluation of boiler efficiency by loss method including stack losses, losses due to combustibles in fly ash &amp; bottom ash, losses due to leakages at 100%, 75% TMCR load with coal fired.</p> <ul style="list-style-type: none"> <li>• Boiler outlet temperature/pressure, and excess air level</li> <li>• Sectional (SH, RH, Economizer) heat transfer efficiency</li> <li>• Performance evaluation and power consumption of ID fan, FD fan and PA fan.</li> <li>• Fan loading and combined efficiency of fan and motor</li> <li>• Boiler feed Pump (power consumption and performance evaluation).</li> <li>• Motor Driven Boiler feed Pump (power consumption and performance evaluation) (For CSCTPP only).</li> <li>• Turbine Driven Boiler feed Pump (power consumption and performance evaluation) (For CSCTPP only).</li> <li>• Assessment of air ingress at different levels of Furnace.</li> <li>• Oxygen profile along the draft system.</li> <li>• Nox, Sox, SPM, Cox measurement</li> </ul>
2	<p style="text-align: center;"><b><u>Air-pre heater</u></b></p> <ul style="list-style-type: none"> <li>• Performance testing to determine gas side efficiency, leakages (%), X-Ratio, flue gas temperature etc.</li> </ul>
3	<p style="text-align: center;"><b><u>Mills Performance testing.</u></b></p> <ul style="list-style-type: none"> <li>• Assessment of air/coal ratio.</li> <li>• Coal fineness test</li> <li>• Mill performance data analysis vis-à-vis performance Guarantee values</li> <li>• Energy Consumption</li> <li>• Pressure drop across the milling system and velocity estimation.</li> <li>• Mill internals replacement analysis with respect to specific energy consumption using historical data.</li> </ul>
4	<p style="text-align: center;"><b><u>Ash Handling System and ESP</u></b></p> <ul style="list-style-type: none"> <li>• Evaluate the electricity consumption of ESP in comparison with the design</li> <li>• Study the collection efficiency, gas distribution test, coal quality, ash property and conditioning including ammonia injection</li> <li>• Study the ash utilization and disposal methods including consumption of water for ash disposal in wet disposal system.</li> <li>• Power consumption and pump performance of ash handling system.</li> </ul>
5	<p style="text-align: center;"><b><u>Heat Rate</u></b></p> <ul style="list-style-type: none"> <li>• Calculation of Turbine Heat Rate (Efficiency) and Heat Rate of the Unit at 100%, 75%TMCR load with coal fired (and oil fired).In case of CSCTPP the same will have to be carried out at 55% and 45% TMCR load also.</li> <li>• Unit heat rate with VWO/throttle with HP heater in/out.</li> <li>• Turbine pressure survey</li> </ul>

	<ul style="list-style-type: none"> <li>• Performance of turbine glands</li> <li>• TG cycle losses / deviation computation</li> <li>• High pressure drain valve survey</li> </ul>
6	<p style="text-align: center;"><b><u>HP/ LP Heaters</u></b></p> <ul style="list-style-type: none"> <li>• HP and LP heaters performance evaluation (including TTD &amp; DCA calculation).</li> <li>• Heat duty, Overall heat transfer coefficient</li> <li>• Degree of Sub-cooling etc.</li> </ul>
7	<p style="text-align: center;"><b><u>Calculation of HP / IP /LP Cylinder efficiency.</u></b></p> <ul style="list-style-type: none"> <li>• Calculation of Turbine cylinder efficiency and cycle efficiency.</li> </ul>
8	<p style="text-align: center;"><b><u>Condenser</u></b></p> <ul style="list-style-type: none"> <li>• Performance &amp; study of deviation of indicated condenser vacuum from the expected values and deterioration in the performance of condenser due to dirty tubes, scale formation, air ingress, CW inlet temperature &amp; CW flow.</li> <li>• Condensate pumps power consumption and performance evaluation.</li> </ul>
9	<p style="text-align: center;"><b><u>Instrumentation and Control</u></b></p> <ul style="list-style-type: none"> <li>• Evaluate the instrumentation available in the plant and identify the locations where online measurements are necessary for efficiency calculations Recommendation regarding type of instrument, installation details, make etc.</li> </ul>
10	<p style="text-align: center;"><b><u>Coal Handling Plant</u></b></p> <ul style="list-style-type: none"> <li>• Estimate the average capacity utilization of the CHP.</li> <li>• Measure consumption of motors, (Current, Power factor)</li> <li>• Assessment of specific power consumption for various options i.e. Direct bunkering, Stacking &amp; Reclaiming etc.</li> <li>• Coal measuring system and quality check.</li> </ul>
11	<p style="text-align: center;"><b><u>Thermal Insulation including radiation losses</u></b></p> <ul style="list-style-type: none"> <li>• Heat loss calculation</li> <li>• Insulation of Boiler, Air and Flue gas path and Steam piping.</li> <li>• Surface temperature measurement at the damaged and Hot spot area by infrared temperature indicator.</li> <li>• Estimation of Heat loss in the hot spots and damaged insulation area</li> </ul>
12	<p style="text-align: center;"><b><u>APC and Performance</u></b></p> <ul style="list-style-type: none"> <li>• Evaluation of unit auxiliary power consumption &amp; performance including specific energy Consumption (SEC) of critical drives where output parameters is available on line, cooling water pumps, CHP (including Performance of Locomotives, Loaders, Dozers, Proclaim and tiplers), AHP, FOPH, WTP and Cooling Towers using power analyzers.</li> <li>• Air compressors / Air system power consumption, efficiency and performance.</li> <li>• Optimization of operational parameters at full load/ partial load in view of energy efficiency and reduction of APC/ SEC.</li> </ul>
13	<ul style="list-style-type: none"> <li>• Cooling Water System</li> <li>• Assessment of cooling tower capacity and efficiency / effectiveness. Assessment of Approach, Range and cooling tower effectiveness and</li> </ul>

	<p>operational L/G ratios (indirect method also permitted) and fan performance. Comparison with rated parameters to identify the gaps and reasons for poor performance. In case of CScTPP, cooling towers are of NDCT type so the above performance evaluation shall have to be carried out accordingly.</p> <ul style="list-style-type: none"> <li>• Evaluate circulating water pump flow rate, head developed, pressure of pumping system and power consumption.</li> <li>• Assessment of condenser heat load, deviation indicated in respect of the CW pump performance.</li> <li>• Water circulation, condenser efficiency, and turbine heat rate</li> <li>• Assessment of Vacuum system.</li> <li>• Water balance and its usage optimization in view of energy efficiency and to comply with normative values.</li> <li>• Verify plant chemistry/ laboratory practices in view of energy efficiency.</li> </ul>
14	<ul style="list-style-type: none"> <li>• Fire Fighting System</li> <li>• Input Power measurement of all the key equipment of the Fire system like hydrant etc.</li> <li>• Establishment of specific energy performance indicators.</li> </ul>
	<b><u>Raw Water System and Water treatment system (DM Plant)</u></b>
15	<ul style="list-style-type: none"> <li>• Capacity utilization and power consumption of all major drives.</li> <li>• Performance evaluation of pumps.</li> </ul>
	<b><u>Total electrical System Audit including Lighting</u></b>
16	<ul style="list-style-type: none"> <li>• Assessment of the loading pattern of installed transformer to identify measures for reduction of losses.</li> <li>• Power consumption by each AC system by using power measurement analyzers including cooling effect and humidity.</li> <li>• Performance evaluation of AC plant with respect to operating capacity, specific power consumption and usage pattern.</li> <li>• Performance assessment of AHUs</li> <li>• Performance of air compressors by using power measurement analyzers.</li> <li>• Electrical parameters like current, voltage, power factor and power by using power measurement analyzers.</li> <li>• HT/LT motors consuming power more than 50 KW need to be checked for measuring electrical parameters and performance.</li> <li>• Lighting of Main plant including office building lux measurement and power consumption (day/night phase wise).</li> <li>• Substation losses.</li> <li>• Harmonic analysis.</li> <li>• Evaluation of Unit auxiliary consumption, excitation consumption &amp; transformation losses.</li> <li>• Identification of Energy Conservation opportunities.</li> </ul>
17	Unit's start up /shut down procedure and deviation from manufacturer's procedure and suggestions to improve downtime.
18	To put in place transparent & credible monitoring and verification arrangements In consultation with plant personnel for consumption and production based on BEE Regulations 2010.
19	The measurement at all available points will be provided by the respective power plants. However, for points not available / on line instruments shall be permitted to use.

S.No	Details of systems/sub-systems for DCCP,Dholpur & RGTPP, Ramgarh
1.	<p style="text-align: center;"><b><u>Gas Turbines</u></b></p> <ul style="list-style-type: none"> <li>• Evaluation of Gas turbine Efficiency by loss method due to ambient temperature, ambient pressure, relative humidity, CW inlet temperature, Inlet pressure Loss (normal day as-well-as foggy days) , Exhaust pressure Loss, Low input gas pressure, Frequency/ Speed etc.</li> <li>• Effect on SHR due to variation in Load ( partial load operation), frequency/ Speed, Low input gas pressure, frequent start and stop, running in different modes (IGV on/ Off ), running hours and scheduled maintenance etc.</li> <li>• Sectional losses (Compressor, turbine and generator losses etc.).</li> <li>• Optimization of auxiliaries.</li> <li>• Losses in expansion joints/ bellows.</li> <li>• Nox, SOx, SPM, Cox measurement.</li> <li>• Effect of evaporating cooling.</li> <li>• Evaluation of losses due to Heat/ Hot air leakages.</li> </ul>
2.	<p style="text-align: center;"><b><u>Boiler</u></b></p> <ul style="list-style-type: none"> <li>• Evaluation of Boiler Efficiency by loss method including stack loss, losses due to leakage / Opening of diverter damper,</li> <li>• Boiler feed pump (power consumption/ performance evaluation).</li> <li>• Boiler outlet temperature/ pressure.</li> <li>• Sectional heat transfer efficiency (SH, Evaporator, Economizer, and CPH).</li> <li>• Evaluation of Losses in expansion joints/ bellows.</li> <li>• Evaluation of Losses due to passing of valves.</li> <li>• Evaluation of losses due to steam leakages.</li> </ul>
3.	<p style="text-align: center;"><b><u>Heat Rate</u></b></p> <ul style="list-style-type: none"> <li>• Calculation of Steam/ Gas turbine heat rate (efficiency) and heat rate of the unit at 100%, 75% load.</li> <li>• Evaluation of Gas Turbine Heat Rate running in Open Cycle.</li> <li>• Steam Turbine pressure survey.</li> <li>• Performance of Steam turbine glands.</li> <li>• STG and GT cycle losses/ deviation computation.</li> <li>• High pressure drains valve survey in STG.</li> <li>• Evaluation of losses due to oil leakages.</li> </ul>
4.	<p style="text-align: center;"><b><u>Condenser</u></b></p> <ul style="list-style-type: none"> <li>• Performance &amp; study of deviation of indicated condenser vacuum from the expected values and deterioration in the performance of condenser due to Water Quality, dirty tubes, scale formation, air ingress, CW inlet temperature &amp; CW flow.</li> <li>• Effect of replacement of ejector with vaccump pump.</li> <li>• Condensate pumps power consumption and performance evaluation.</li> <li>• Evaluation of performance of Ejectors &amp; Vacuum Pumps.</li> </ul>
5.	<p style="text-align: center;"><b><u>River Intake Pump-House</u></b></p> <ul style="list-style-type: none"> <li>• Evaluations of efficiency of intake pump/transfer pump and motor.</li> <li>• Controlling of water flow/ Running of Pumps as per requirement.</li> <li>• Evaluation the leakages in pipe line/ Re-circulation from river intake to plant.</li> <li>• Evaluation of losses due Sledge in intake well.</li> <li>• Evaluation of loss due to Low PF.</li> </ul>



6.	<p style="text-align: center;"><b><u>Instrumentation and control</u></b></p> <ul style="list-style-type: none"> <li>• Evaluated the instrumentation available in the plant and identify the location where online measurement are necessary for efficiency calculations</li> <li>Recommendation regarding type of instrument, installation details, make etc.</li> </ul>
7.	<p style="text-align: center;"><b><u>Thermal insulation including radiation losses</u></b></p> <ul style="list-style-type: none"> <li>• Heat Loss Calculation</li> <li>• Insulation of Boiler, Air, Flue Gas path and Steam Piping.</li> <li>• Surface Temperature measurement at the damaged and Hot spot area by infrared temperature indicator.</li> <li>• Estimation of Heat Loss in the hot spots and damaged insulation area.</li> </ul>
8.	<p style="text-align: center;"><b><u>APC and Performance</u></b></p> <ul style="list-style-type: none"> <li>• Evaluation of unit auxiliary power consumption &amp; performance including specific energy consumption (SEC) of critical drives where output parameters is available on line, cooling water pumps, WTP and cooling Towers using power analyzers.</li> <li>• Air compressor/ Air system power consumption, efficiency and performance.</li> <li>• Evaluation of loss due to Air leakages.</li> </ul>
9.	<p style="text-align: center;"><b><u>Cooling Water System</u></b></p> <ul style="list-style-type: none"> <li>• Assessment of cooling tower capacity and efficiency / effectiveness.</li> <li>• Assessment of Approach, range and cooling tower effectiveness and operational L/G ratios (indirect method also permitted) and fan performance. Comparison with rated parameters to identify the gaps and reasons for poor performance.</li> <li>• Evaluate circulating water pump flow rate, head developed, and pressure of pumping system and power consumption.</li> <li>• Assessment of condenser heat load, deviation indicated in respect of the CW pump performance.</li> <li>• Water circulation, condenser efficiency and turbine heat rate</li> <li>• Assessment of vacuum system.</li> </ul>
10.	<p style="text-align: center;"><b><u>Fire Fighting System</u></b></p> <ul style="list-style-type: none"> <li>• Input power measurement of all the key equipment of the Fire system like hydrant etc.</li> <li>• Establishment of specific energy performance indicators.</li> <li>• Evaluation of loss due to water leakages.</li> </ul>
11.	<p style="text-align: center;"><b><u>Raw Water System and water treatment system (DM Plant)</u></b></p> <ul style="list-style-type: none"> <li>• Capacity utilization and power consumption of all major drives.</li> <li>• Performance evaluation of pumps.</li> </ul>
12.	<p style="text-align: center;"><b><u>Total Electrical System audit including Lighting</u></b></p> <ul style="list-style-type: none"> <li>• Assessment of the loading pattern of installed transformer to identify measure for reduction of losses.</li> <li>• Power consumption by each AC system by using power measurement analyzers including cooling effect and humidity</li> <li>• Performance evaluation of AC plant with respect to operating capacity, power consumption and usage pattern.</li> <li>• Performance assessment of AHUs</li> <li>• Performance of air compressor by using power measurement analyzers.</li> <li>• Electrical parameters like current, voltage, power factor and power by using power measurement analyzers.</li> <li>• HT/LT motors consuming power more than 50 KW need to be checked for measurement electrical parameters and performance.</li> <li>• Lighting of main plant including office building lux measurement and power consumption (day/night phase wise).</li> </ul>

	<ul style="list-style-type: none"> <li>• Substation losses: Unaccounted losses due to transfer of Transco's Power through the power station's Grid will also be calculated/estimated.</li> <li>• Harmonic analysis.</li> <li>• Evaluation of unit auxiliary consumption, excitation consumption &amp; transformation losses.</li> <li>• Identification of Energy Conservation opportunities.</li> <li>• Evaluation of effect on performance due to Generator/ Motor Cooling.</li> </ul>
13.	Unit's start-up / shut down procedure and deviation from manufacturer's procedure and suggestion to improve downtime and SHR.
14.	<p>Specific to RGTPP:-</p> <ul style="list-style-type: none"> <li>• Maximum efficiency/ Heat Rate/parameter that can be achieved in present condition considering aging or other.</li> <li>• All standard parameters for all equipments to achieve highest possible efficiency lowest possible heat rate.</li> <li>• Factors affecting above-said parameters, reason for deviations and remedies in present condition.</li> </ul>
15.	To put in place transparent & credible monitoring and verification arrangement in consultation with plant personnel for consumption and production based on BEE regulation 2010.
16.	The measurement at all available points will be provided by the respective power plants. Further, for points not available / on line instruments shall be permitted to use. However, for points not available, on-line instruments shall be used by the auditing firm, which will be arranged by the firm.

**APPENDIX 'A' (Read with Schedule-I)**

(TO BE FILLED UP BY THE BIDDER)

**DECLARATION**

I/We have carefully read and understood the terms and conditions of the bid and agree to abide by them. I/We have carefully noted that my/our offer does not contain any counter / additional condition, if contain any counter condition or additional conditions in the bid document/price bid/forwarding letter or any other enclosure of bid document will be liable for rejection by the department. I/we shall have no claim whatsoever against this rejection of offer. It is certified that I have not given any condition in price bid and prices are offered in the formats as desired by RVUNL. I/we also certify that presently we are not debarred/banned from business/suspended/removed from registration by any of the government department viz. central and state government organization/undertaking etc.

I/We declare that

If this declaration is found to be incorrect, then without prejudice to any other action that may be taken, my/our security and/or earnest money may be forfeited.

SIGNATURE OF THE BIDDER  
(Name in block letter)  
COMPANY/FIRM  
Authorized Signatory

PRESENTED BY \_\_\_\_\_  
VERIFIED BY \_\_\_\_\_  
(Name in Block letters)

**SIGNATURE OF NOTARY PUBLIC**

Name of the representative(s) with signature(s) who are authorized to represent the firm in all matters related with this N.I.T.

1. \_\_\_\_\_  
(Name in Block letters with designation)

2. \_\_\_\_\_  
(Name in Block letters with designation)

ATTESTED SIGNATURES

Verified by Notary Public.

**APPENDIX-“B”**

**INFORMATION TO BE SUPPLIED BY THE BIDDER**

1. i. Name of Firm : -----
- ii. Address :  
.....  
.....  
-----
- iii. Telephone No. :  
.....  
a) Office. :  
.....  
b) Residence :  
.....  
c) Factory :  
.....  
d) Fax :  
.....  
e) E-mail :  
.....
2. a) **In case of Private Limited Co.**  
i) Whether article of association  
And Memorandum enclosed or Enclosed at Page No.....  
not enclosed/Not applicable.
- ii) List of present directors along-  
With their current & permanent Enclosed at Page No.....  
Address enclosed or not enclosed/Not applicable.
- b) **In case of Partnership Firm**  
Whether copy of partnership deed Enclosed at Page No.....  
In case of partnership firm along not enclosed/Not applicable.  
With their address enclosed or
3. i) Name of authorized power of attorney  
Holder. ....
- ii) Address  
.....  
.....  
.....
- iii) **Telephone No.**  
Residence :  
.....  
Office :  
.....
4. (a) **In case of Limited Company**  
i) Whether power of attorney duly  
Attested by Public Notary on non Enclosed at Page No.....  
Judicial stamp paper authorizing the not enclosed/ not applicable  
Signatory to submit the tender and  
Letters and to sign the contract and  
Other document enclosed.
- ii) Resolution of Board of Directors in Enclosed at Page No.....

Favor of power of attorney enclosed or not. Not enclosed/ not applicable

b) In case of partnership firm Enclosed at Page No.....  
Whether power of attorney duly not enclosed/ not applicable  
Signed by all partners enclosed

5. Earnest Money .....  
Amount Deposited  
Form of Deposit (mention No. & Date)/  
Bid security declaration submitted

6. Please mention:

a) GST registration details Copy enclosed at Page No...../  
. Not enclosed.

b) Permanent Account Number details Copy enclosed at Page No...../  
. Not enclosed.

**(On Non-Judicial Stamp Paper of appropriate value)**

**Format for Contract Agreement**

This indenture made at Jaipur, Rajasthan on this ---- day of the month ----- of the year----- between Addl. Chief Engineer (PPMC&IT), Rajasthan RajyaVidyutUtpadan Nigam Ltd., Jaipur (hereinafter referred to as the Owner with expression unless the context does not permit includes his successors and assignees) of the one part and M/s \_\_\_\_\_, a Private Limited company incorporated under the companies Act 1956 and having its registered office at \_\_\_\_\_

(hereinafter referred to as Bidder with expressions unless the context does not permit includes their successors and permitted assignees) of the second part witnessed as follow:-

- (i) The bidder does by these presents agree to execute the work of the owner and owner does agree to get executed from the bidder the work specified in the work order no. \_\_\_\_\_ appended herewith and on the terms & conditions contained in the said order.
- (ii) The work to be executed under this agreement shall be as per terms and conditions and specifications as set forth in the order referred to above.
- (iii) In case of Dispute as to whether any work done is not in accordance with specifications set forth in the order, the decision of the Addl.Chief Engineer (PPMC&IT), RVUN, Jaipur shall be final and binding on both the parties.
- (iv) The earnest money deposit of Rs. 46,000/- (Rupees forty six Thousand only) made by the bidder will be adjusted against S.D. of the bidder.
- (v) If the bidder fails wholly or in part to fulfill this agreement, the owner shall be entitled at his discretion to retain the security deposit made by the bidder.
- (vi) In witness of the due execution of this agreement the parties have hereunder set their hands the day and the year first above written.

Signed and delivered by:-

Signature

Signature

For and on behalf of  
the Addl. Chief Engineer ( PPMC&IT),

For and on behalf of

RVUN, Jaipur

Contractor

In the presence of witness

In the presence of witness

(i)

(ii)

## **APPENDIX-D**

### **Compliance with the Code of Integrity and No Conflict of Interest**

Any person participating in a procurement process shall –

- (a) Not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process;
- (b) Not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- (c) Not indulge in any collusion, Bid rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process;
- (d) Not misuse any information shared between the procuring Entity and the Bidders with an intent to gain unfair advantage in the procurement process;
- (e) Not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- (f) Not obstruct any investigation or audit of a procurement process;
- (g) Disclose conflict of interest, if any; and
- (h) Disclose any previous transgressions with any Entity in India or any other country during the last three years or any debarment by any other procuring entity.

### **Conflict of Interest:-**

The Bidder participating in a bidding process must not have a Conflict of Interest. A Conflict of Interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

A Bidder may be considered to be in Conflict of Interest with one or more parties in a bidding process if, including but not limited to:-

- (a) have controlling partners/ shareholders in common; or
- (b) receive or have received any direct or indirect subsidy from any of them; or
- (c) have the same legal representative for purposes of the Bid; or

- (d) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Procuring Entity regarding the bidding process; or
- (e) The Bidder participates in more than one Bid in a bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which the Bidder is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one Bid; or
- (f) The Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the Goods, Works or Services that are the subject of the Bid; or
- (g) Bidder or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as engineer-in-charge/consultant for the contract.

**Seal & Signature of Bidder**



## APPENDIX-E

### Grievance Redressal during Procurement Process

The designation and address of the First Appellate Authority is Addl. Chief Engineer (PPMC,PTD&Trg.), RVUN, Jaipur. The designation and address of the Second Appellate Authority is The Director (Technical), RVUN, Jaipur.

#### 1) Filing an Appeal

If any Bidder or prospective bidder is aggrieved that any decision, action or omission of the Procuring Entity is in contravention to the provisions of the Act or the Rules or the Guidelines issued there under, he may file an appeal to First Appellate Authority, as specified in the Bidding Document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:

Provided that after the declaration of a Bidder as successful the appeal may be filed only by a Bidder who has participated in procurement proceedings;

Provided further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of Financial Bids may be filed only by a Bidder whose Technical Bid is found to be acceptable.

2) The officer to whom an appeal is filed under para(1) shall deal with the appeal as expeditiously as possible and shall endeavor to dispose it of within thirty days from the date of the appeal.

3) If the officer designated under para (1) fails to dispose of the appeal filed within the period specified in para(2), or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the First Appellate Authority, the Bidder or prospective bidder or the Procuring Entity, as the case may be, may file a second appeal to Second Appellate Authority specified in the Bidding Document in this behalf within fifteen days from the expiry of the period specified in para(2) or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.

#### 4) Appeal not to lie in certain cases

No appeal shall lie against any decision of the Procuring Entity relating to the following matters, namely:-

- (a) Determination of need of procurement;
- (b) Provisions limiting participation of bidders in the Bid process;
- (c) The decision of whether or not to enter into negotiations;
- (d) Cancellation of a procurement process;
- (e) Applicability of the provisions of confidentiality.

#### 5) Form of Appeal

- (a) An appeal under para(1) or (3) above shall be in the annexed Form along with as many copies as there are respondents in the appeal.
- (b) Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payment of fee.
- (c) Every appeal may be presented to First Appellate Authority or Second Appellate Authority, as the case may be, in person or through registered post or authorized representative.

6) Fee for filing appeal

- (a) Fee for first appeal shall be rupees two thousand five hundred and for second appeal shall be rupees ten thousand, which shall be non-refundable.
- (b) The fee shall be paid in the form of bank demand draft or banker's cheque of a Scheduled Bank in India payable in the name of Sr. Accounts Officer [Cash], RVUN, Jaipur payable at Jaipur.

7) Procedure for disposal of appeal

(a) The First Appellate Authority or Second Appellate Authority, as the case may be, upon filing of appeal, shall issue notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.

(b) On the date fixed for hearing, the First Appellate Authority or Second Appellate Authority, as the case may be, shall :-

(i) hear all the parties to appeal present before him; and

(ii) peruse or inspect documents, relevant records or copies thereof relating to the matter.

(c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.

(d) The order passed under sub-clause (c) above shall also be placed on the State Public Procurement Portal.

**APPENDIX-F**

**FORM No.1**

[See rule 83]

**Memorandum of Appeal under the Rajasthan Transparency in Public Procurement Act, 2012**

Appeal No of.-----

Before the -----[First/ Second Appellate Authority]

1. Particulars of appellant:

(i) Name of the appellant:

(ii) Official address, if any:

(iii) Residential address:

2. Name and address of the respondent(s) :

(i)

(ii)

(iii)

3, Number and date of the order appealed against

and name and designation of the officer/authority

who passed the order (enclose copy), or a

statement of a decision, action or omission of

the Procuring Entity in contravention to the provisions of the Act by which the appellant is aggrieved:

4. If the Appellant proposes to be represented by

a representative, the name and postal address

of the representative:

5. Number of affidavits and documents enclosed with the appeal:

6. Grounds of appeal:

----- (supported by an affidavit)

7.

Prayer:

Place -----

Date -----

Appellant's Signature

### **Additional Conditions of Contract**

#### **1. Correction of arithmetical errors**

Provided that a Financial Bid is substantially responsive, the Procuring Entity will correct arithmetical errors during evaluation of Financial Bids on the following basis:

- i. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
- ii. If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- iii. If there is a discrepancy between words and figures, the amount in words shall prevail. unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited or its Bid Securing Declaration shall be executed.

#### **2. Procuring Entity's Right to Vary Quantities**

(i) At the time of award of contract, the quantity of Goods, works or services originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decrease shall not exceed twenty percent of the quantity specified in the Bidding Document. It shall be without any change in the unit prices or other terms and conditions of the Bid and the conditions of contract.

(ii) If the Procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to

change in circumstances, the Bidder shall not be entitled for any Claim or compensation except otherwise provided in the conditions of Contract.

(iii) In case of procurement of Goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 25% of the value of Goods of the original contract and shall be within one month from the date of expiry of last supply. If the Supplier fails to do so, the Procuring Entity shall be free to arrange for the balance supply by limited Bidding or otherwise and the extra cost incurred shall be recovered from the Supplier.

### **3. Dividing quantities among more than one Bidder at the time of award**

#### **(In case of procurement of Goods)**

As a general rule all the quantities of the subject matter of procurement shall be procured from the Bidder, whose Bid is accepted. However, when it is considered that the quantity of the subject matter of procurement to be procured is very large and it may not be in the capacity of the Bidder, whose Bid is accepted, to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and vital nature, in such cases, the quantity may be divided between the Bidder, whose Bid is accepted and the second lowest Bidder or even more Bidders in that order, in a fair, transparent and equitable manner at the rates of the Bidder, whose Bid is accepted.

**Schedule-1 (Read with Appendix-A)**

**SCHEDULE OF DEVIATIONS**

If the proposal has got deviation from the Technical specification/ Commercial terms & conditions, the bidder shall tabulate below these deviations clause to clause (Attach additional sheet if needed).

(A) **DEVIATIONS IN TECHNICAL PARTICULARS:**

---

S. No.	Clause No.	Technical Deviation
--------	------------	---------------------

---

---

We hereby confirm that the above are the only deviations from Owners BID Documents in respect of technical specifications and apart from these deviations; all other technical specification conditions are acceptable to us and are taken care of in the contract price.

Signature

Name & Seal of bidder .....

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(B) **DEVIATIONS IN COMMERCIAL TERMS & CONDITIONS**

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S. No.	Clause No.	Commercial Deviation
--------	------------	----------------------

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We hereby confirm that the above are the only deviations from Owners BID Documents in respect of general commercial conditions and apart from these deviations; all other general, commercial conditions are acceptable to us and are taken care of in the contract price

Signature

Name & Seal bidder.....

**Schedule – 2**

**PRE-QUALIFYING REQUIREMENTS**

To qualify in this bidding process the bidder should have following minimum qualification requirements. The bidder should submit supporting documents in support of his qualification.

<b>S. No.</b>	<b>Pre Qualification requirements</b>	<b>Whether bidder is having prequalifying requirement</b>	<b>Please enclose necessary certificates/documents</b>
A	The bidder should have minimum one BEE Accredited Energy Auditor and three Certified Energy Auditors who will conduct the detailed energy auditing work under the trade name of their firm.	Yes/No	
B	The bidder must have successfully conducted detailed energy audit of minimum 2 (two) units of minimum 210 MW capacity of Thermal Power Plants as per CEA/BEE guide lines. (The prospective bidders shall produce documentary proofs of their having such experience. The copy of satisfactory work completion from the order placing authority must be attached. The bidder shall also provide valid contact details of their clients to enable RVUN to verify the qualifying requirements of the bidder. The details be provided in the Sheet-A attached. )	Yes/No	
C	The bidder should have a valid registration for GST & PAN No	Yes/No	
D	The average annual turnover of the bidder must be minimum twenty three Lacs in last three consecutive financial years prior to the date of opening of tender. The audited P&L and balance sheets for the above three financial years should be	Yes/No	

	enclosed with the bid or to be certified by the practitioner CA.		
E	Whether required EMD/ Bid security declaration along with the bid has been submitted	Yes/No	

**Seal & Signature of bidder**



**Details of similar jobs carried out by the Bidder**

The bidder shall indicate the details of similar works already carried out by him as per the format given below:-

Enclose the copies of order (with amount) executed and work completion report from order placing authority / any other documentary evidence.

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<b>S. No.</b>	<b>Details of similar type of works carried out</b>	<b>Full address Phone No.</b>	<b>Contract Value</b>	<b>Year</b>
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**Seal & Signature of bidder**

**Schedule – 3**

**List of persons engaged for Station**

The bidder shall indicate the details of persons going to be engaged by him for a particular station for the energy audit work as per the format given below:-

---

<b>S. No.</b>	<b>Name of the power station</b>	<b>Name of the person</b>	<b>Qualification</b>
---------------	----------------------------------	---------------------------	----------------------

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Note: - (1) Bidder shall enclose detailed C.V. of the persons to be engaged.

**Seal & Signature of bidder**

#### Schedule-4

#### (Price Bid Format)

Price bid for carry out the work of detailed energy audit of RVUN power stations against RVUN/ PPMC&IT/TN08/21-22

Bidder's Name & Address: \_\_\_\_\_

Bidder's Proposal Ref. No. & Date: \_\_\_\_\_

Person to be contacted: Designation: \_\_\_\_\_

Telephone No. : \_\_\_\_\_

To,

The Suptg. Engineer (Montg. &IT),  
Raj.RajyaVidyutUtpadanNigam Ltd.,  
Room no. 309, Rajasthali Mall,  
MI Road ,Ajmeri Gate ,  
Jaipur-302001

Dear Sir,

In continuation to our techno-commercial offer **(Part -A)** and confirmations / clarifications as would be furnished subsequently, we hereby furnish our Price Offer for the work of detailed energy audit of RVUN power stations under National Mission for Enhanced Energy Efficiency against RVUN/ PPMC&IT/TN-08/21-22

Name of the Station	Total No. Units	Per Unit Detailed Energy Audit Charges (₹)	Total Value	GST in %	GST (in Rs.)	Total Cost (₹)	
<b>1</b>	<b>2</b>	<b>3</b>	<b>(4= 2x3)</b>	<b>5</b>	<b>6</b>	<b>(7)=(4)+(6)</b>	
KTPS, Kota	7	Sample format only ( Bidder has to quote price in attached BOQ only)					
STPS, Suratgarh	6						
DCCPP, Dhoulpur	1						
RGTPP, Ramgarh	2						
CTPP, Chhabra	4						
CscTPP, Chhabra	2						
Grand Total							

1.0 We declare that the above quoted rate are firm and shall not be subject to any variation for the entire period of the contract. We further declare that the above

quoted fee includes all taxes, duties and levies payable by us under aforesaid energy audit assignment.

- 2.0 If the Bidder does not quote any % / amount under GST, then the GST amount will be treated as inclusive of quoted prices.
- 3.0 Our proposal shall remain valid for acceptance for a period of 120 days from the date of opening of bid.

Authorized Signatory

Date: \_\_\_\_\_

Signature \_\_\_\_\_

Place: \_\_\_\_\_

Name \_\_\_\_\_

Designation \_\_\_\_\_

**Bid Security Declaration Format**  
**(On NJSP of worth Rs. 50/- of state of Rajasthan)**

Date: .....

Bid No.: TN- 08/21-22

To:

Chief Engineer ( PPMC&IT),  
RRVUNL, 3<sup>rd</sup> floor, Rajasthali Mall, MI Road,  
Ajmeri Gate, Jaipur-302001

We, the undersigned, declare that:

We understand that, according to your conditions, bids must be supported by a bid-security declaration.

We accept that we are required to pay the bid security amount specified in the terms and conditions of bid, in the following cases namely:-

- (a) When we withdraw or modify our bid after opening of bids;
- (b) When we do not execute the agreement, if any, after placement of supply/ work within the specified time.
- (c) When we fail to commence the supply of the goods or services or execute work as per supply/ work order within the specified period.
- (d) When we do not deposit the performance security within the specified period after work order is placed; and
- (e) When we do not accept the correction of arithmetical errors in accordance with the RTPP Act and Rules.
- (f) Breach a provision of the Code of Integrity specified in the RTPP Act, RTPP Rules

In addition to the above, CE( PPMC&IT), RVUN office shall debar us from participating in any procurement process undertaken for a period not exceeding three years in case where the entire bid security or any part thereof is required to be forfeited by procuring entity.

We understand this Bid-Securing Declaration shall expire if :- (a) we are not the successful Bidder; (b) The execution of agreement for procurement and performance security is furnished by us in case we are successful bidder; (ii) thirty days after the expiration of our Bid (d) The cancellation of procurement process; or (e) The withdrawal of bid prior to the dead line for presenting bids, unless the bidding documents stipulate that no such withdrawal is permitted.

**Authorized Signatory of the Bidder**  
**with Name, designation and seal**  
**Corporate Seal**