## NATIONAL COMPETITIVE BID (NCB) OPEN TENDER

## BHARATIYA RESERVE BANK NOTE MUDRAN (P) LTD NOTE MUDRAN NAGAR MYSURU -570003

Phone: 0821 – 2582905,2582915,2582925,2582935,2582945 Fax : 0821 – 2582099, E-Mail: <u>mysorepress@brbnmpl.co.in</u> Website : <u>www.brbnmpl.co.in</u>

Not Transferable

Security Classification: Non-Security

# TENDER DOCUMENT FOR "OPERATION AND MAINTENANCE OF DG SETS & AUXILIARY EQUIPMENTS AT BRBNMPL, MYSURU"

#### Tender No: 134/MYS/MAINT (U)/2017-18, dated: 07/03/2018

This tender document contains 26 pages (excluding downloaded)

The tender document is sold to:

M/s.\_\_\_\_\_

Address

Details of Contact person in BRBNMPL regarding this tender:

Name: S.M.PAWALE

Designation: ASST GENERAL MANAGER

Address: As above

Phone: 0821 - 2469007, Fax: 0821-2582885

Email: smpawale@brbnmpl.co.in

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\*The representative of the bidder should bring the sealed & signed copy of Section XVII; else not allowed for bid opening.

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## NATIONAL COMPETITIVE BID STANDARD BIDDING DOCUMENTS

## Section I: Notice Inviting Tender (NIT)

## Tender No.: 134/MYS/MAINT (U)/ 2017-18

Dated 07/03/2018

1. Sealed tenders are invited from eligible and qualified tenderers for supply of following goods & services:

Schedule	Brief Description of Goods /	Quantity	Earnest Money	Remarks
No.	Services	(with unit)	(in Rs.)	
	<b>"Operation and Maintenance</b>		Rs.82,000/-	
	of DG Sets and Auxiliary	01 Lot	(Rupees Eighty	
1	Equipments at BRBNMPL,	01 LOI	Two Thousand	
	Mysuru".		only)	

Type of Tender (Two Bid / PQB / EOI / RC / Development / Indigenization / Disposal of	Two Bid - Open Tender.
Scrap / Security item etc. Price of the Tender Document	Rs. 500.00
Closing date and time for receipt of tenders	14:30 Hrs. on 11/04/2018
Place of receipt of tenders	Admin Building, BRBNMPL, Mysuru
Time and date of opening of tenders	15:00 Hrs. on 11/04/2018
Place of opening of tenders	Admin Building, BRBNMPL, Mysuru
Nominated Person / Designation to Receive Bulky Tender (Clause 21.21.1 of GIT)	AGM/DGM (Utility Maint.)

- 2. Interested tenderers may obtain further information about this requirement from the above office selling the documents. They may also visit our website mentioned above for further details.
- 3. Tenderer may download the tender documents from the web site and submit its tender by utilizing the downloaded document, along with the required non-refundable fee as mentioned in Para 3 above.
- 4. Tender documents may be purchased on payment of non-refundable fee of Rs.500.00 (Rupees five hundred only) per set in the form of account payee demand draft/ cashier's cheque / certified cheque, drawn on a scheduled commercial bank in India, in favour of BRBNMPL, Mysore, payable at Mysore.
- 5. If requested, the tender documents will be mailed by registered post/ speed post to the domestic tenderers, for which extra expenditure per set will be Rs. 100.00 (Rupees hundred only) for domestic post. The tenderer is to add the applicable postage cost in the non-refundable fee mentioned in Para 3 above.

- 6. Tenderers shall ensure that their tenders, duly sealed and signed, complete in all respects as per instructions contained in the Tender Documents, are dropped in the tender box located at the address given below on or before the closing date and time indicated in the Para 1 above, failing which the tenders will be treated as late and rejected.
- 7. In the event of any of the above mentioned dates being declared as a holiday/ closed day for the purchase organisation, the tenders will be sold / received / opened on the next working day at the appointed time.
- 8. The tender documents are not transferable.

For and on behalf of BRBNMPL, Mysuru

Address:

The General Manager Bharatiya Reserve Bank Note Mudran (P) LTD, Note Mudran Nagar, Mysuru-570 003

Sd/-

(S.M. PAWALE) Asst. General Manager

#### Section II: General Instructions to Tenderer (GIT)

This Section-II shall be downloaded from website: www.brbnmpl.co.in under the section 'Downloads' and signed & stamped and submitted along with the **Technical bid** as acceptance of terms & conditions. (Offer without the copies of Section-II shall liable for rejection)

## Section III: Special Instructions to Tenderers (SIT)

The following Special Instructions to Tenderers will apply for this purchase. These special instructions will modify/ substitute/ supplement the corresponding General Instructions to Tenderers (GIT) incorporated in Section II. The corresponding GIT clause numbers have also been indicated in the text below:

In case of any conflict between the provision in the GIT and that in the SIT, the provision contained in the SIT shall prevail.

The sealed tender offers super-scribed as "Operation and Maintenance of DG Sets and Auxiliary Equipments at BRBNMPL, Mysuru", against Tender Enquiry No: 134 / MYS / MAINT. (U)/ 2017-18, dated: 07/03/2018" should be addressed to "The General Manager", BRBNMPL, Mysuru-03 so as to reach us on or before 14.30 Hrs. on 11/04/2018 Tender Offers not super scribed as above are liable for rejection.

- a. Copy of each page of Tender documents should be duly signed & seal affixed and submitted along with the Techno-commercial bid as a token of acceptance of tender conditions. The certificate as provided in annexure- A also must be signed and enclosed.
- b. The first sealed envelope should contain:
  - i) DD for ₹ 500/- towards cost of tender document
  - ii) EMD amount of ₹ 82,000/- (as Demand Draft) payable to BRBNMPL at Mysuru as detailed in clause 18 of General Instructions to tenderer (GIT).
  - iii) Signed tender documents, along with Techno-commercial bid. The envelope should be sealed and properly super-scribed as above.
- c. The second sealed envelope should have price bid as per Section XI with superscription "Price BID-Tender Enquiry No: 134/MYS/MAINT (U)/ 2017-18, dated: 07/03/2018".
- d. The above two envelopes should be put in single envelope, sealed and properly superscribed as Tender for "Operation and Maintenance of DG Sets and Auxiliary Equipments at BRBNMPL, Mysuru" against Tender Enquiry No: 134/MYS/MAINT. (U)/ 2017-18, dated: 07/03/2018".
- e. The tender offer may be sent by Regd. Post/ Courier. Parties desirous of handing over Tender Offer by hand should drop the Tender Cover in the Tender Box kept in the Administration Building ground floor, after recording the offer details in the register kept on the tender box.

## Section IV: General Conditions of Contract (GCC)

This Section-IV shall be downloaded from website: www.brbnmpl.co.in under the section 'Downloads' and signed & stamped and submitted along with the **Technical Bid** as acceptance of terms & conditions. (*Offer without the copies of Section-IV shall liable for rejection*)

## Section V: Special Conditions of Contract (SCC)

The following Special Conditions of Contract (SCC) will apply for this purchase. These Special Conditions will modify / substitute / supplement the corresponding (GCC) clauses. Whenever there is any conflict between the provision in the GCC and that in the SCC, the provision contained in the SCC shall prevail.

- 1) **Pre-Bid Visit:** The bidders **shall visit the Plant premises** and shall have clear understanding about our DG plant, scope of work, volume of work, requirement of skill levels of workforce etc. and any doubt/clarification may be cleared/done before submitting their offers. Any claim of ignorance about the system or responsibility shall not be entertained in later stage.
- 2) Contract Price: The contract price should be based on the scope of work, number of equipment to be maintained, manpower, skill levels required and shall include Govt. of India minimum wages notification dated 06/10/2017, ESIC payment, PF payment, Bonus payment (Compulsorily the contractor shall pay Bonus to their employees every year (as per Payment of Bonus act, 1965), leave with wages, National & Festival holidays, Gratuity, canteen allowance/food allowance & overtime wages if any, service tax & all other charges including appropriate insurance charges, overheads for the work as mentioned in the Scope of work (Section VII). The bidders shall take in to account all the above mentioned factors before submitting their offers.
- 3) Price Variation: The price should be firm for the contract period and there shall be no variation/escalation on any account except regarding revision of Minimum wages and GST. No claim in respect of sales tax, or other tax duty or levy shall be entertained separately in addition to the quoted rate. Any upward/downward revision in GST shall be considered at actual, subject to production of documentary evidence. Rate of the wages should not be less than minimum wages as prescribed by Govt. of India (Ministry of Labour & Employment, Notification, dated: 06/10/2017). However, any revision in the minimum Wages will be considered for additional payment, on receipt of request from the contractor with documentary proof in this regards. Only component of Basic, DA, ESIC and EPF will be considered for revision of contract price, as per actuals.
- **4) Time schedule:** Initially, the Contract for O & M shall be awarded for a period of one year. It will be renewable annually on the basis of performance for another two years. The whole contract or part of contract can be terminated at any time at the discretion of the BRBNMPL with three month's notice without assigning any reason.

## 5) Payment:

i. Payment shall be made on monthly basis only on satisfactory compliance of all the tender/work order/agreements conditions stipulated and performance of the job satisfactorily. The successful Tenders shall raise monthly bill in the 1<sup>st</sup> week of succeeding month for releasing payment after fulfilling all the necessary statutory requirement. The bill should be submitted along with the copy of Attendance register, Wages register, valid ESI & PF Challans supported by statement (ECRs) for having paid/remitted the contributions and also produce the original records along with the bill Certifying Authorities for verification and return. If the monthly bill is held up due to any reasons of non-fulfilment of contract terms, the contractor must disburse the wages on or before 7<sup>th</sup> of every month to his labourers through his own sources.

ii. The Payment against uniform, shoes & bonus will be released on succeeding month on submission of documentary evidence. The contractor should pay the Bonus payment as per the provisions of payment of Bonus Act, 1965 annually during the month of April/May to his labourers. However, the contract period is completing in between of the financial year, the Contractor has to make the payment within one month from the date of completion of the Contract and submit the documentary proof (in Form C) for releasing the payment.

Proportionate amount from the bill shall be deducted if the contractor fails to comply with any of the responsibilities under the work order/contract. Such amounts shall be decided by BRBNMPL and shall be binding on the contractor.

- 6) **Performance Security:** Performance Bank Guarantee/ Security Deposit for 10% of the Annual Contract Value shall be furnished by the Contractor, after Notification of award of Contract.
- 7) Liquidated damage/Penalty/Indemnity: If Contractor fails to carry out the services in strict conformity with the approved and accepted schedule, then unless such failure is due to Force Majeure, the liquidated damages at the rate of 0.5% for each week delay subjected to max of 10% of monthly contract value will OR expenses and charges incurred by the BRBNMPL in rectifying and performing the defaulted service, whether by its own means or by third parties, whichever is less will be levied on the Contractor.

BRBNMPL shall at the beginning of every successive month assess the work performance of CONTRACTOR during the previous month. For any shortfalls observed in the work performance due to any reasons whatsoever, BRBNMPL shall evaluate the Man power, equipment, tools that would have been required to accomplish the work performance and calculate the deduction amount in terms of Man power, Equipment, Tools mobilization. The same shall be deducted as penalty from the monthly bill. BRBNMPL's decision in this regard shall be final. Un-satisfactory performance of the Contract may also lead to black listing of the CONTRACTOR.

However with regard to shortage of manpower, any absence of employees more than 10% on any day will attract liquidated damage at the rate of 0.5% of monthly contract value for each occasion subjected to maximum of 10% of monthly contract value.

The contactor has to disburse the wages to his employees on or before 7<sup>th</sup> (or on the previous day in case 7<sup>th</sup> happens to be Sunday or Holiday) of succeeding month. If the contractor fails to disburse wages, penalty of Rs.500/- per day lump sum would be levied to the CONTRACTOR.

BRBNMPL's representative reserves the right to execute any delayed services through third parties and deduct from CONTRACTOR the cost of these services together with 10% of this cost for the damages, without any consent of CONTRACTOR, who shall be notified in writing of the measures taken in every case, after giving due notice and Contractor continues to fail to carryout rectifications/execution of services.

Any damages / breakdowns arising out of negligence, improper handling or improper maintenance will be viewed seriously. In such case the entire expenditure incurred for rectifying or replacing the damaged items will be borne by the contractor. The amount determined by BRBNMPL shall be final and binding. The contractor shall indemnify to this effect.

The payment or deduction of such damages shall not relieve CONTRACTOR from his obligations to complete the services or from any of his other obligations and liabilities under this Contract.

In case of default or breach of Contract Terms & Conditions, the Security Deposit is liable for forfeiture.

- 8) Statutory Deductions: Statutory deductions such as WCT, ST, VAT, Income Tax etc as applicable shall be effected while making payment.
- **9) Performance Evaluation:** A Confidential performance Evaluation of the overall performance shall be done by the dealing official(s) on periodical basis & continuation of the contract shall be primarily depending upon their performance. In case the performance is found to be unsatisfactory at any point of time, the contract shall be terminated without any notice and security deposit will be forfeited & the contractor will be blacklisted. However, the contract can be terminated at any time at the discretion of BRBNMPL with three months' notice.

#### 10) Statutory requirements:

The successful Contractor should comply with all statutory provisions as applicable such as but not limited to:-

- a) The contractor shall have to observe/ fulfill and comply with all the statutory requirements and obligation as per the provisions of law/Rules i.e. the Factories Act 1948, Karnataka Factories Rule 1969, Employee's Compensation Act 1923, Employers Liability Act 1938, Contract Labour (R & A) Act 1970 and Central Rules 1971, Industrial Dispute Act 1947, Maternity Benefit Act 1961, Minimum Wages Act 1948, Payment of Wages Act 1936, Employee's Provident Funds & Misc. Provisions and Schemes 1952, and Employee's State Insurance Act 1948, Payment of Bonus Act 1965, Payment of Gratuity Act 1972, Karnataka Industrial (National & Festival Holidays) Act 1963, etc., including any enactment made by the Governments or modification thereof or any other law/s relating thereto and rules framed there under from time to time.
- b) The Contractor should comply with the rules and other statutory obligations with regard to payment of employees' wages not less than the minimum wages notified by Govt. of India under the Minimum Wages Act 1948 and rules made there under, health, welfare and safety measures, hours of work, leave and other benefits as required under Factories Act 1948 and rules and also other applicable statutory Acts and Rules made thereunder. The Contractor has to maintain all the required registers, records, document as stipulated under various applicable Labour Laws and its compliance, will be deemed to be part of the contract and submit the same to the Competent Authorities and also to the Company Officials as and when called for verification. The contractor shall be registered with the concerned statutory authorities like P.F & ESI, Service Tax as provided in various legislations and shall be directly responsible to the authorities hereunder for compliance of the provisions.
- c) The Labourers to be engaged/ deployed should not be less than 18 year of age as per the provisions of Factories Act 1948. They should be in sound health.
- **d**) The Tenderer/ Contractor should extend National & Festival Holiday to his labourers as per the Provisions of Karnataka Industrial (National & Festival Holidays) Act 1963.
- e) The Tender/Contractor should extend leave with wages to his/their Labourers as per the Provisions of *Factories Act 1948*.
- f) The Contractor must have a valid PROVIDENT FUND CODE & ESI CODE and copy of same shall be submitted along with the tender. Copy of Registration Certificates issued under EPF and MP Act, 1952, Karnataka Shops and Establishments Act 1961 and ESI Act, 1948 along with originals for verification.
- **g**) Rate of Minimum wages should not be less than minimum wages(BRBNMPL, Mysuru falls in 'B' Class cities) as notified by Govt. of India from time to time and contractor shall ensure that wages are not less than minimum wages at any point of time during the complete period of contract. If the quoted price is less than the prevailing minimum wages, the price bid will be rejected.
- h) The Tenders who engages more than 20 Labourers shall obtain required Labour Licence

from the Asst. Labour Commissioner (Central) immediately.

- i) The Tenders should submit commencement and completion of work notice, half yearly, annual returns, Accident Reports and other applicable reports to the various Authorities as required under Contract Labour (R&A) Act, Factories Act, EPF Act, ESI Act, and other applicable laws from time to time.
- **j**) The Contractor/Agency shall indemnify the Company from any claims/liability due to any breach of the statutory requirements from him/them. The Company as a principle Employer shall enforce the provisions of the Acts.
- k) It shall be sole responsibility of the contractor to ensure safety of all his workers.
- I) Any untoward incident arising out of improper supervision or inadequate safety measures will be the sole responsibility of the contractor. The Contractor shall conform to all Labour Laws and shall remain solely responsible for the obligation under the relevant statutory provisions. The contractors should properly maintain all necessary first aid kits and ensure that all its employees are adequately trained in administering first aid in case of emergencies.
- **m**) BRBNMPL will not accept any responsibility for any loss or damage to any property or personal belonging effect to Contactor's employee.
- **n**) The CONTRACTOR shall keep BRBNMPL, its servants or agents indemnified against claims, actions or proceedings brought or instituted against BRBNMPL, its servants or agents by any of his employees or any other third party employed by the Contractor in connection with relating to, or arising out of the performance of the services under the Contract
- o) The Contractor has to obtain "Workmen Compensation Insurance Policy" to his Labourers, those beyond the purview of ESI & engaged for the said job and same has to be submitted before commencement of work. The CONTRACTOR shall indemnify BRBNMPL against any liability for any accident, death or injury to BRBNMPL's servants or agents or against any loss of or damage to any property belonging to BRBNMPL, its servants or agents which shall arise out of the performance of the services under this Agreement and against all costs, claims, demands and damages involved therewith.
- **p**) The CONTRACTOR shall pay and indemnify BRBNMPL against liability in respect of any fees or charges (including any rates and taxes but not including service tax) legally demandable under any Act of Parliament, or State Legislature instrument, rule or order or any regulation or Bye-law or any local authority in
- 12) **Supervision:** The Contractor or his supervisor should be present at the work spot and supervise during shifts in all working days. The Contractor should take and observe all the required formalities like deployment of his labourers, maintaining of attendance as directed by the Authorised persons of BRBNMPL. Any untoward incident arising out of improper supervision or inadequate safety measures will be the sole responsibility of the Contractor and shall confine to all the labour Laws and shall remain solely responsible for the obligation under the relevant statutory provisions.
- **13) Uniform:** The Contractor has to compulsorily provide proper Uniform (2 sets/ year) & Shoes (1 pair / year) within 30days of issue of Work Order. In case of non-compliance, BRBNMPL reserves the right to impose suitable penalty and provide the same. The cost so incurred shall be deducted from the bill along with the penalty. The colour shade of the uniform should be should be approved by BRBNMPL. The Contractor should also provide all the Safety Appliances to the Labourers.
- **14) Penalties:** In case the Tenderer fails to execute the work as per the Terms and Conditions and instructions, The Management is reserves the rights to levy Penalty as mentioned below:

- a) In case the Tenderer not carried out the work as per the Terms and Conditions of the work order, not complied with the statuary requirement and its obligations, abandons/discontinue the contract within the validity of the contract period, the BRBNMPL Management reserves the rights to get the remaining work/uncompleted work done through any other agencies and the loss or extra expenditure suffered in such event shall be debited to Tenderers' account in addition to forfeiting the Security Deposit.
- **15) Quantum of work**: Quantities mentioned in the schedule of items (List of Equipment), Section-VII-II (A) are as per the present status & requirement and may vary during the currency of contract. Any such variance will be accounted and extra payment on this account will not be entertained during the currency of contract.
- **16) Incompletion/Discontinuation of work**: If the work is not completed in all aspects or delayed beyond reasonable time or contractor discontinues the work abruptly, then BRBNMPL reserves the rights to get the remaining work/uncompleted work done through any other agencies at the risk and cost of the contractor. In such cases, the pending claims and Security Deposit of the contractor shall be forfeited.
- 17) Recovery & Rectification of work: In case contractor fails to attend the same as per defect liability period clause above within a week from the date of intimation, it shall be got rectified by through another agency & money spent thus shall be recovered from the contractor.
- **18)** Accommodation: On specific request from the Contractor, BRBNMPL may provide quarters/space for Site Office purpose as per availability and allotment norms/rules in force for allotment, at a prescribed rent & other charges like Electricity etc., fixed by the Company. In this event, the contractor must always be in a position that whenever any directive for vacating the said premise is issued, he shall, without raising any objection, peacefully vacate the same.
- 19) Adequacy of Contractor's Staff: It is understood that the service activities are to be performed with utmost diligence and expediency so as to maintain the highest standards of O & M services. To achieve this, Contractor shall strictly maintain adequate level of staff with prescribed skill levels (Section-VII, Schedule of items –C) at site at all times. In case mechanized services are provided by the contractor, the equipment shall be well maintained and kept in good condition for all time.
- **20)** Labour: Contractor shall be responsible for the engagement, employment, transport, working and living conditions of personnel and in respect of all matters connected therewith including their safety. Contractor shall at all times during the continuance of this Agreement conform in all respects to and carry out all obligations imposed on it by the provisions and requirements of the Employees Provident Fund (Miscellaneous Provision) Act, 1952, Payment of Gratuity Act, 1972, Employment State Insurance Act, 1948, Maternity Benefit Act, 1961, Minimum Wages Act 1948, prescribed by Ministry of labour & employment, office of the Chief labour Commissioner. Equal Remuneration Act, 1976, Payment of Wages Act, 1936, Payment of Bonus Act, 1965, Contract Labour (Regulation and Abolition) Act, 1971 Factory Act 1948, Employees Compensation act 1923, I.D. Act 1947, The Karnataka Industrial (National & Festival Holidays) Act 1963, etc. and any applicable law in the country where any of the services are performed or regulations issued including without limitation all laws, regulations and requirements of Government of India.

All the proposed staff / personnel shall possesses high standard of Integrity, have no affiliation with any political parties or trade unions. This has to be followed during the entire contract period.

Contractor shall at all times take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst its employees and for the preservation of peace and protection

of persons and property in the neighborhood of the site against the same.

Upon the outbreak of any strike or labour dispute involving any of Contractor's personnel engaged on the services, Contractor shall forthwith give details thereof to BRBNMPL. If any dispute arises between the contract labour/labour/employees and Contractor agency, the BRBNMPL will not be responsible in any manner. The Contractor' shall not stop or cause stoppage of work on account of strike or other agitation during the period of contract. The Contractor agrees that it shall be liable for all consequences for the delay caused or loss / damages suffered by the BRBNMPL due to the stoppage / strike by the Contractor. BRBNMPL shall recover the cost incurred due to this from the Contractor's running account bills.

Contractor shall within twenty four (24) hours of any occurrence of any accident at or about the site or in connection with the execution of the services or any injury, loss or damage to any personnel or to property of Contractor, BRBNMPL or of a third party, report such occurrence to the competent authority whenever such a report is required by law.

BRBNMPL shall be at liberty to object to and require Contractor to remove forthwith from the site any person employed by Contractor in or about execution or performance of services who in the opinion of BRBNMPL has committed a misconduct or whose employment is otherwise considered to be undesirable. Contractor without the written permission of BRBNMPL shall not again employ such person upon services at any circumstances.

## 21) Safety & Security Measures:

- a) The contractor should scrupulously conform to the safety and security norms as stipulated by BRBNMPL while working in the security area.
- b) The contractor shall take all the precaution while executing this work. Protective gear such as safety helmets, boots, belts, gloves etc. shall be provided by the contractor at his own cost to all his workers at site. The Contractor shall impose such requirements on all sub-contractors also. It shall be the responsibility of the contractor to ensure that such protective gear is worn at all times by all personnel working at site. BRBNMPL shall have the right to stop any person not wearing such protective gear from working on the site.
- c) BRBNMPL is a security organization and the Govt. of Karnataka declares the premise as Prohibited Area. Hence the contractor has to abide by the security rules of the Company. The contractor has to ensure the character and antecedent of the persons deployed. The contractor must be in a position to produce such documents whenever he is asked to do so. Details shall be furnished as per format when called for. The contractor has to issue printed photo identity card to its workers duly authenticated by the designated security officer of the Company. Contractor should apply for Gate Pass for labours, welding permission and material entry pass etc. as per approved format only, well in advance to avoid any delay in issue of Gate passes.
- d) While applying for pass, contractor must enclose copy of address proof (Voters ID card or ration card or driving license or passport etc., for all the workers for which gate pass has been requested. The details shall be submitted in the prescribed format as given below.
- e) Any worker of the contractor, if found by the Company as unsuitable or having doubtful integrity, shall be removed from the premises at the risk and cost of the contractor. The contractor shall vouch guarantee for the integrity of its workers.
- **22)** Cleanliness: Contractor is required to ensure complete cleanliness at the site. Debris generated during the day's work should be disposed off immediately.
- **23) Legal jurisdiction:** The court of Mysuru (Karnataka State) only shall have jurisdiction to deal with and decide any legal matter of dispute whatsoever arising out of any work order placed by us.

## Section VI: List of Requirements

Schedule No.	Brief description of goods and services (Related specifications etc. are in Section-VII)	Accounting unit	Quantity	Amount of Earnest Money
1.	"Operation and Maintenance of DG Sets and Auxiliary Equipments, at BRBNMPL Mysuru".	Nos	01	Rs.82,000/-

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Required Delivery Schedule: 24 x 7 Service for the total contract period

Required Terms of Delivery: F.O.R, BRBNMPL, Mysuru

## Section VII: Scope Work and Technical Specification

## **OPERATION AND MAINTENANCE OF DG SETS AND AUXILIARY EQUIPMENTS**

#### 1. Scope of Work:

Scope of work, Man power Deployment and list of items.

1. Name of work:

Operation and Maintenance of DG sets 2.5MVA –03Nos and 320kVA –01No with all its associated equipments and auxiliaries.

2. Scope of the work:

The contractor shall operate, maintain and do trouble shooting on the following equipments with all associated controls and auxiliaries as listed in Annexure I, round the clock 365 days (24 x 7 service). Providing power supply to the plant through proper preventive maintenance, prompt and speedy trouble shooting, anticipating the spare requirement etc. are the essence of the contract.

The Scope of Work shall include

- (i) Arrange for change over to DG power supply when power fails and as and when instructed by our officer without delays.
- (ii) Carryout periodic maintenance on all PDBs, DFBs, MLDBs, MCC Panels etc.
- (iii)Carryout the daily inspection / checking, day-to-day operation and maintenance and minor repair works to keep the DG Sets in good healthy condition. In case of any major repair / breakdown, the contractor has to arrange suitable external agency and shall liaison with them. The expenditure in this regard will be borne by BRBNMPL.
- (iv)Day-to-day operation and basic fault rectification on systems and equipments as and when needed.
- (v) The contractor shall operate required number of DG sets in synchronistion with proper load sharing
- (vi)320 KVA DG set shall be kept in auto mode. In case of power failure, 320 KVA DG set should be ready and emergency lighting supply should be restored within 10 seconds.
- (vii)The 2.5 MVA DG set also to be started and general power should be restored within 10 minutes.
- (viii) Upkeeping of 2.5 MVA DG sets, 320 KVA DG set and all motors at DG station and their respective control panels / auxiliary power boards, battery chargers, batteries, cleaning of cable trenches painting of cable trays maintenance of earth pits, lightening arrestors.
  - (ix)Sample testing of lube oil and fuel on quarterly basis in a reputed laboratary and submitting a report.
  - (x) Contractor shall carry out:
    - a) Checking of roatating equipment for undue vibration
    - b) Checking and repairing of leakage, if any, in piping.
    - c) Cleaning of heat exchanger, pump strainers and cooling tower basin.
    - d) Checking cooling tower float valve operation.
    - e) Checking PH / ppm of cooling tower water and softener output and regenerate it regularly.
    - f) Descaling of heat exchangers using descaling compounds.
    - g) Cleaning of day tanks as and when required.
    - h) Periodical testing and maintenance of air circuit breakers.

- i) Repair and calibration of all level switches, thermostat, thermocouple, pressure sensors, pressure switches and pressure gauges.
- j) The Contractor shall strictly get the lube oil testing on quarterly basis from reputed oil testing lab and submit the test report along with finding and recommendations.
- (xi) The Contractor shall maintain proper supply conditions (Rated voltage & Frequency) during DG operation.
- (xii) Periodical maintenance of all auxiliary equipment like Air compressor, pumps, centrifuge, control panel, batteries and charger etc...
- (xiii) Undertake calibration of all HT / LT energy meters annually, through KPTCL / any authorized agency
- (xiv) Carryout thorough cleaning of contacts of isolators, earth switches and all ACB control panels, bus bar compartments, structures of CT's, PT's, breakers, NGR panels and all other supporting structures on half yearly basis or as and when required
- (xv) Carry out periodic maintenance in all HT & LT panels, thoroughly check condition of equipment, switch gears and control wiring, clean the cable trenches and cable trays etc
- (xvi) Make all arrangements and meet the requirements as per IE rules during any inspection by Statutory bodies like CEA etc...
- (xvii) Carry out testing and calibration of all protective relays and conduct simulations for annunciation & tripping for ensuring healthiness of protective devices and control circuitry on annual basis at DG station at their cost
- (xviii) Contractor shall arrange cable fault locator kit for testing cable faults in case of cable breakdown. All the work related to finding out cable faults and cable repair is under the contractor's scope of work including soil excavation and filling. However, the spares and consumable will be supplied by BRBNMPL.
  - (xix) Arrange at site service engineers for major works of M/s. KOEL/KEC for Inspection/overhauling of Engine and Alternator, M/s. ABB for testing and servicing of SF6 breakers and M/S. Alstom / authorized agency for testing and servicing of all EE breakers as and when required. In this case the charges incurred will be borne by M/s BRBNMPL.
  - (xx) Periphery up to 5 meters around DG station, storage facility and space between storage and DG station shall be cleaned and kept in good condition.
  - (xxi) Carry out Maintenance schedule duly approved by the Maintenance Department of BRBNMPL
  - (xxii) Contractor shall maintain the maintenance charts duly certified by BRBNMPL. Payments shall be made against bills only on production of certified O&M Records and Consumption Registers

Note: Contractor shall extend his assistance to the OEM or any other agency for attending above repairs.

#### 2. Consumables and Spare parts:

The contractor shall inform well in advance about the requirement of spares and consumables to avoid delays in arranging the same. Consumables and spares parts will be supplied by BRBNMPL. The defective parts shall be returned to Maintenance Division.

The contractor shall submit the list of fast moving spares & consumables along with rates. The same will have to be approved by us for subsequent procurement and reimbursement by us. The quoted rates shall remain unchanged during the contract period.

If any component fails due to operational mistake or negligence of contractor employee, the entire repair/replacement charges will be borne by the contractor or the same will be deducted from monthly bill. Decision of BRBNMPL in this regard will be final.

#### 3. Tools and Tackles:

The contractor must possess at site all the tools and tackles required for carrying out maintenance of MSDS plant, like Multi meter, Clamp meter, H T Meggar, Earth resistance tester etc. apart from conventional tools. The contractor shall arrange special tools if any required carrying out maintenance/breakdowns at his own cost. The measuring instruments should have a valid calibration certificate issued by an authorized agency. List of tools tackles held by the contractor must be furnished along with the tender.

#### 4. Manpower Deployment:

- a) The contractor shall deploy manpower and strictly comply with number of supervisors & technicians, qualifications and experiences in respective fields as per Schedule of Items, (C) Manpower deployment under Section-VII.
- b) The contractor shall ensure that all his supervisors/technicians are capable of diagnosing, trouble shooting and rectifying quickly and effectively so as to keep the duration of interruption to barest minimum.
- c) The contractor shall deploy required manpower in shifts and number of people to be deployed in shifts will be decided in consultation with BRBNMPL.

#### 5. Maintenance of Records:

The contractor shall be responsible for maintaining records of work executed including fault rectification, consumables and spares used etc. Contractor also required maintain daily and periodic maintenance schedules in approved formats. Contractor required to maintain/update regularly all the documents related to EQMS (ISO: 9001-2008 & ISO 14001).

#### **II. SCHEDULE OF ITEMS**

## (A) LIST OF EQUIPMENTS

# The list of items given below are indicative not exhaustive. Any related part also will come under the scope.

#### A. Main equipments

- a) Engine Pielstic, 8PA6L280, Alternator-TD 118, 6.6 KV 2500 KVA, Make Kirloskar -3 Nos.
- b) Engine W4AG, Alternator 6AB 355/6, 320 KVA 415 V 3 Phase Make Kirloskar -1No.

## B. Electrical Control Panel 2500 KVA and 320KVA D G Set

ectrical Control Panel 2500 K v A and 520K v A l	J G Sel	
NGR Panels		3 Nos
Engine Local Control Panel (ELCP)		4 Nos
320 KVA AVR panel		1 Nos.
2500 KVA AVR, Synchronising & load sharin	g panel	3 No.
Announciation Panel		1 No
Protective realys, instrumentation, controls		1 Set
1. Electric Motor driven air compressors	02 Nos	
2. Diesel Engine driven Air compressor	01 No	
3. Air Bottles	03 Nos.	
4. Air pipelines and valves		
COOLING SYSTEM (WATER):		
	NGR Panels Engine Local Control Panel (ELCP) 320 KVA AVR panel 2500 KVA AVR, Synchronising & load sharin Announciation Panel Protective realys, instrumentation, controls <b>ccessories 2500 KVA DG sets</b> PNEUMATIC SYSTEM: 1. Electric Motor driven air compressors 2. Diesel Engine driven Air compressor 3. Air Bottles 4. Air pipelines and valves	Engine Local Control Panel (ELCP) 320 KVA AVR panel 2500 KVA AVR, Synchronising & load sharing panel Announciation Panel Protective realys, instrumentation, controls <u>ccessories 2500 KVA DG sets</u> PNEUMATIC SYSTEM: 1. Electric Motor driven air compressors 02 Nos 2. Diesel Engine driven Air compressor 01 No 3. Air Bottles 03 Nos. 4. Air pipelines and valves

1. Water Softener Plants

02 Nos

2. Cooling towers, LT Circuit & HT circuit

03 Nos

03 Nos

- 3. Heat exchangersc) LUBE OIL SYSTEM
  - 1. Lube oil-priming pumps for DG set and motors.
  - 2. Lube oil Filters, Pipelines and valves
- d) FUEL SYSTEM:
  - 1. Fuel Booster pump
  - 2. Fuel Filters
  - 3. Fuel Heaters
  - 4. Pipelines, valves and day tanks
  - 5. Exhaust Chimneys
  - 6. Oil heat tracing system.
  - 7. Flow meters

#### III. DG Accessories 320 KVA :

- a) ENGINE COOLING SYSTEM.
  - 1. Inner circuit water pumps
  - 2. Outer circuit Water pump
  - 3. Water pipeline and valves
  - 4. DG inner circuit water heaters
  - 5. Cooling tower, Motor & Fan
- b) LUBE OIL SYSTEM:
  - 1. Lube Oil priming pump
- 2. Lube oil heaters
- 3. Lube oil pipeline and valves
- c) FUEL SYSTEM
  - 1. Fuel storage tank, pipeline and valves
- 2. Exhaust chimney

## IV. BULK FUEL STORAGE PLANT

1. Storage tanks - 180 KL	02 Nos
2. Day tanks 4.5 KL	03 Nos
3. Fuel level Indicator	02 Nos
4. Centrifuges	02 Nos
5. Fuel unloading pump	02 Nos
6. Transfer pump	02 Nos
7. Pipe lines & valves / Flow meters	03 Sets
eneral Items	

## V. General Items

8

- 1 Roof extractors
- 2 Exhaust fans
- 3 Turbo charger
- 4 Battery Charger 24 volt & 110 volts
- 5 Batteries (55 x 2 V, 2 x 12 V)
- 6 Air conditions (1.5 TR)
- 7 EOT crane
  - Ventilation system

02 Each

01 Set

01 Nos

01 No

01 Set

01 Set

- 9 L T feeder panels
- 10 Lighting system in powerhouse and in fuel storage area 01 Set
- 11 Earthing system & earth pits in power house & storage areas
- 12 All the related HT, LT and control cables.

13 Repair and calibration of all level switches, thermostat, thermocouple, pressure sensors, pressure switches and pressure gauges.

## (C) Manpower Deployment:

a) Indicative minimum number of persons to be deployed with sufficient experience in the related field is estimated as follows:-

Sl.No	Designation and qualification	Number of Employees	Experience
1	Supervisor (Diploma in Mechanical Engineering / Electrical engineering / automobile engineering) OR ITI in Diesel Mechanic / Electrical	1	Minimum 5 years' experience for Diploma holders and minimum 10 years' experience for ITI holders in operation and maintenance of DG station (captive power plant). Capable of diagnosing and troubleshooting problems occurring in DG. Conversant with load sharing operations of DGs SLDs Control wiring
2	Highly Skilled Technician in diesel mechanic / Electrical / Fitter (ITI / NAC in respective Trade/)	2*	Minimum 7 years' experience in operation and maintenance of DG Sets (Captive power plant).
3	Skilled technicians in Diesel Mechanic/Fitter/Electrical trades(ITI / NAC / JOC in respective trades trade)	8**	Minimum 5 year experience in operation and maintenance of DG station ( Captive power plant)

\* One in Mech. trade and one in Electrical trade

**\*\*** 4 persons of fitter trade and 4 persons of electrical trade

- b) Contractor has to decide the number of workers to be required for execution of the work as given in Scope of Work. It is suggested that the contractor should prepare his own estimates considering all factors including weekly off and leave reserve/s, for arriving total number of manpower required. However minimum man power shall not be less the above indicative manpower.
- c) At any given time at least 2 persons should be available on duty in any area.
- d) The contractor should display Shift Chart showing names of operators performing shift duties.
- e) Electrical Supervisory licence is must either supervisor or highly skilled Technician.

## Section VIII: Quality Control Requirements

- 1. The Contractor shall carryout operation and maintenance of all the equipments listed in schedule equipments (Section-VII).
- 2. The Contractor shall carry out maintenance works as per approved maintenance plan & checklist provided by BRBNMPL from time to time during the currency of the contract.
- 3. Any defect in quality of workmanship shall be corrected or re-worked to the satisfaction of BRBNMPL.
- 4. The contractor shall depute the manpower strictly as per Manpower deployment under the head schedule of items under Section-VII(C).

## Section IX: Qualification/ Eligibility Criteria

#### I. Financial Soundness:

- a) Average Annual turnover of the bidder during last three years ending 31/03/2017 should be more than Rs. 12.30 lakhs and it should be reflected in audited financial report for the said period otherwise should be certified by Chartered Accountant.
- b) Bidders should not have suffered any financial loss for more than one year during last three years ending 31/03/2017.
- c) The net worth of the firm should not have eroded by more than 30% in the last year ending 31/03/2017.

All financial standings data like P/L accounts, Balance sheets, etc. should be certified by certified accountants e.g. Chartered Accountants(CA).

#### II. Experience:

Contractor shall have experience in successfully completed similar works during last seven years ending 31/03/2016 shall be either of the following,

Three similar completed works costing not less than the amount equal to 16.40 lakhs.

Or

Two similar completed works costing not less than the amount equal to 20.50 lakhs.

Or

One similar completed work costing not less than the amount equal to 32.80 lakhs.

#### Note:

• "Similar works means Operation and maintenance DG sets with a minimum of 1000 KVA installed capacity of power plant".

(**Or**)

Erection and commissioning of D.G. Sets of minimum 1000KVA capacity

• Copies of completion Certificate / Statement / Work Order executed shall be submitted

#### **Section X: Tender Form**

Date .....

To The General Manager, BRBNMPL, Note Mudran Nagar, Mysuru – 570 003

Ref: Your Tender document No. ..... dated .....

We, the undersigned have examined the above mentioned tender enquiry document, including amendment No. -----, dated \_\_\_\_\_\_\_\_\_ (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver ...... (description of goods and services) in conformity with your above referred document for the sum of \_\_\_\_\_\_\_ (total tender amount in figures and words), as shown in the price schedule(s), attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 6, read with modification, if any, in Section V — "Special Conditions of Contract", for due performance of the contract.

We agree to keep our tender valid for acceptance for a period upto as required in the GIT clause 19, read with modification, if any in Section-III — "Special Instructions to Tenderers" or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender upto the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ For & on behalf of

(Signature with date)

(Name and designation) Duly authorized to sign tender for and on behalf of

.....

## **Section XI: Price Schedule**

From

To The Director BRBNMPL, Mysuru -570 003

# Sub: Price Bid for Operation and maintenance of DG Sets and Auxiliary Equipments at BRBNMPL, Mysuru.

Reference: Your Tender No. 134/MYS/ MAINT (U)/ 2017-18, dated 07/03/2018

We have received your tender enquiry (from Section I to XVII) cited and are pleased to enclose the following as our commercial bid for your kind consideration.

SI.		No. of manday /	First year			
No	Category	manpower per day	Unit Rate	Amount per year		
1.	Supervisor (Highly Skilled) ((Basic +DA) / day)	01				
2.	Technicians (Skilled) ((Basic +DA) / day)	02				
3.	Technicians (Semi-Skilled) ((Basic +DA) / day)	08				
4.	Annual Salary					
5.	PF & ESI's employer's contribution @ 13.15 %) on Sl.no. '4'.	17.9 % of Basic (ESI: 4	.75% & PF:			
6.	Sub Total (Sl. No.4+5)					
7.	Bonus -(Minimum 8.33%) as per prov	visions of payment of Bo	onus Act			
8.	Uniform Charges (2 pair dress + 1 pair	safety shoes) per year				
9.	Administrative costs (including all ov statutory requirement/payment, police in Rs					
10.	Service charges (in Rs. Or %) on total	wages as shown in Sl. I	No.' 6'			
11.	Total (Sl. No. 6+7+8+9+10)					
12.	GST @ 18% on Sl. No- 11					
13.	Charges for Relay calibration (annually					
14.	Grand Total (Sl. No. 11+12+13)					
Gra	Grand Total in words					
Rup	ees	•••••	••••••	•••••		

We confirm that we will abide by all the tender terms & conditions and we do not have any counter conditions.

Note:

- 1. Price with counter condition(s) shall be liable for rejection.
- 2. Price should be quoted exactly as per the format.

- 3. The minimum wages shall be as per GOI, Ministry of Labour & Employment, Notification, dated: 06/10/2017.
- 4. Conditional discount/ rebate etc. shall not be considered. In case, discount is offered that should be adjusted in the price and net price should be quoted.
- 5. L1 will be decided on the total price quoted.
- 6. Any revision in the minimum Wages for the workers will be considered for additional payment, on receipt of request from the contractor with documentary proof in this regards. Only component of basic DA, ESIC and EPF will be considered for revision of wages. Hike or Reduction in Service tax will be considered for revision of contract price, as per actuals.
- 7. Contractor must read Section-V (SCC) Sl. No. 3: Contract Price before arriving administrative cost, as all the allowances paid by the existing contractor must be paid by the bidder to their employees as per the statutory requirement

We confirm that we will abide by all the tender terms & conditions and we do not have any counter conditions.

Thanking you, Yours faithfully,

Seal

( ) Name & Signature with date

## Section XII –QUESTIONAIRE (To be submitted along with Technical Bid)

We have received your Tender enquiry cited and we are pleased to enclose the following as our technical bid for your kind consideration.

Sl. No	Status of Firm	GST No. (Copy Enclosed)	Income Tax PAN No. (Copy Enclosed)	NSIC or DGS&D

## 1. <u>Our company's profile.</u>

## 2. Documents in support of eligibility criteria :

## a) Financial Status: (To be mentioned in terms of Rs.)

Sl. No	Description	2015-16	2016-17	2017-18
1	Annual Turnover			
2	Net Profit			
3	Net worth of the firm			

## (To be filled by tenderer. Please don't write like "attached" or "refer")

## b) Experience:

Sl. No	Company Name	Work Order No. & Date	Details of work	Order value	Date of completion
1					
2					
3					
4					

(To be filled by tenderer. Please don't write like "attached" or "refer")

## Note: Please fill the details of the documentary proofs enclosed in the above tables

- We confirm that we possesses the necessary technical competence and financial resources as mentioned in Section -IX of this tender document, to ensure supply of the tendered item, as per your specifications and delivery schedule. Necessary documents like copies of Work orders, P/L Accounts, Balance Sheets are enclosed herewith.
- We confirm having been in the business continuously for the last three years. (documentary proof attached)

- **3.** We confirm that we have quoted exactly for the tendered product as per your specifications given in Section VII and BOQ.
- 4. We confirm that the Price bid is quoted exactly as per your format in Section-X &XI and is inclusive of material, Labour and all statutory levies, duties, laying, freight, handling, loading, unloading charges, delivery at your Press.
- 5. We confirm that there would not be any price escalation during the supply period.
- 6. We confirm that we will abide by all the tender terms & conditions and we do not have any counter conditions. As required, we enclose herewith the complete set of copy of tender documents duly signed by us as a token of our acceptance.
- 7. We also confirm that the undersigned is duly authorized and have the competence to sign the contract for and on behalf of the firm.

Thanking you, Yours faithfully,

Seal

( ) Name Signature with date

Note: Copies of applicable Documents are attached herewith.

(Please enclose all Technical Documents related to the proposed modification.)

Sl. No	Description	BRBNMPL Requirement	Our Offer	Deviations, If any.
1.	Cost of Tender document	DD for ₹. 500/-	Enclosed / Not Enclosed	
2.	EMD	DD for ₹. 82,000/-	Enclosed / Not Enclosed	
3.	Tender Document Section I to Section XVII duly sealed and signed along with <b>Annexure – A</b> (Please download the Section II ,IV, XV,XVI & XVII of tender document from <u>www.brbnmpl.co.in</u> and seal & sign it)	sealed and signed	Enclosed / Not Enclosed	
4.	Technical Bid –Section XII (Duly filled)	sealed and signed	Enclosed / Not Enclosed	
5.	Details of experience	Attach Copies of Work order/ Purchase Order	Enclosed / Not Enclosed	
6.	Technical Specification	sealed and signed	Accepted / Not Acceptable	
7.	Financial Standing	Attach Copies of audited account statement	Enclosed / Not Enclosed	
8.	PAN Card copy	Attach copy	Enclosed / Not Enclosed	
9.	Copy of GST registration certificate	Attach copy	Enclosed / Not Enclosed	
10.	The minimum wages quoted as per GOI, Ministry of Labour & Employment, Notification, dated: 06/10/2017	-	Yes / No	

## <u>Compliance Statement</u> (Please fill this and attach with technical bid)

Name :

Signature :

Seal

## Annexure -A

## To Whomsoever It May Concern

Dated this ......day of ..... For & on behalf of

(Seal & signature with date)

(Name and Designation)

Duly authorized to Sign tender

(To be filled, signed & stamped and submitted along with Techno-commercial bid)

## **Confidentiality Statement**

"The information, which is contained in this document will not, in whole or in part be reproduced, transferred to other documents/ electronic media or disclosed to others without written consent of BRBNMPL." We shall also undertake to maintain secrecy, exclusivity and confidentiality of the high security currency printing environment of BRBNMPL.

Dated this ......day of .....

(Seal & signature with date)

(Name and Designation) Duly authorized to Sign tender