



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2024/B/5590495
Dated/दिनांक : 09-11-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	23-11-2024 12:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	23-11-2024 12:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	75 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Chemicals And Fertilizers
Department Name/विभाग का नाम	Department Of Fertilizers
Organisation Name/संगठन का नाम	Rashtriya Chemicals And Fertilizers Limited (rcf)
Office Name/कार्यालय का नाम	Rcf Ltd Thal Alibag
Item Category/मद केटेगरी	Repair, Maintenance, and Installation of Plant/ Systems/Equipments (Version 2) - Industry Unit; Electrical System or Installation, OVERHAULING OF HT MOTORS; Service Provider
Contract Period/अनुबंध अवधि	2 Year(s)
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Do you want to show documents uploaded by bidders to all bidders participated in bid?/	No
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	Yes
RA Qualification Rule	H1-Highest Priced Bid Elimination
Type of Bid/बिड का प्रकार	Two Packet Bid

Bid Details/बिड विवरण

Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	4 Days
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation
Financial Document Indicating Price Breakup Required/मूल्य दर्शाने वाला वित्तीय दस्तावेज ब्रेकअप आवश्यक है	Yes
Arbitration Clause	No
Mediation Clause	No

EMD Detail/ईएमडी विवरण

Required/आवश्यकता	No
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ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता	No
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MII Compliance/एमआईआई अनुपालन

MII Compliance/एमआईआई अनुपालन	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference for services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered service. If L-1 is not an MSE and MSE Service Provider (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band as defined in the relevant policy, then 100% order quantity will be awarded to such MSE bidder subject to acceptance of L1 bid price. The buyers are advised to refer to the [OM_No.1_4_2021_PPD_dated_18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if the credentials of the service provider are validated on-line in GeM profile as well as validated and approved by the Buyer after evaluation of submitted documents.

2. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

3. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

Excel Upload Required/एक्सेल में अपलोड किए जाने की आवश्यकता :

PRICED_BREAKUP - [1731129427.xlsx](#)

Additional Qualification/Data Required/अतिरिक्त योग्यता /आवश्यक डेटा

Buyer to mention scope of work:[1731129434.pdf](#)

Terms and Conditions/ Deductions etc to be mentioned by Buyer as per their requirement:[1731129437.pdf](#)

Any other details to be mentioned by buyer for repair work:[1731129440.pdf](#)

Any other details to be mentioned by buyer for repair work:[1731129442.pdf](#)

Repair, Maintenance, And Installation Of Plant/ Systems/Equipments (Version 2) - Industry Unit; Electrical System Or Installation, OVERHAULING OF HT MOTORS; Service Provider (1)

Technical Specifications/तकनीकी विशिष्टियाँ

Specification	Values
Core	
Type of Premise	Industry Unit
Type of Item/Product/System to be repaired or Installed	Electrical System or Installation , OVERHAULING OF HT MOTORS
Consumables to be provided by	Service Provider
Spare parts to be provided by	Service Provider
Addon(s)/एडऑन	

Additional Specification Documents/अतिरिक्त विशिष्टि दस्तावेज़

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Project based requirement (quantity to be kept as 1)	Additional Requirement/अतिरिक्त आवश्यकता
1	Shrikant Ramnath Sawant	402208,RCF LTD THAL UNIT ALIBAG	1	<ul style="list-style-type: none"> Estimated Cost of Spare/Consumables/Items on Reimbursement basis in Rs (please input 0 if not applicable) : 0

Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें

1. Buyer Added Bid Specific ATC

Buyer uploaded ATC document [Click here to view the file.](#)

2. Buyer Added Bid Specific Scope Of Work(SOW)

Text Clause(s)

SCOPE OF WORK

Overhauling job shall be done at Ammonia plant.

A. General Instructions:

- Job shall be done at RCF- Thal site unless specified.
- Motor Details as per Annexure-II.
- The required man-power including supervisor shall be arranged by the party. Operators shall be provided on round the clock basis by the party.
- The job has to be carried out and completed in all respects in expeditious manner as per IS: other relevant IS/international standard/best engineering practice.
- Job shall be started ONLY after receipt of Safety work permit from RCF Engineer-in-Charge (EIC). This permit shall be renewed periodically and surrendered after completion of the job.
- During the course of the work any minor additional activity required for completeness of the job, but not mentioned in the scope of work but directed by RCF Engineer-in-Charge shall be carried out at no extra cost. Any technical decision related with job shall be taken by RCF Engineer-in-Charge shall be final and binding on the party.
- RCF will provide free electric supply at one point only. Party shall have their own cables for all electrical equipment up to 25 meters length each. All equipment shall comply with safety rules as per Indian Electricity Rules.
- Bidder to note that all the motors will not be made available at one instance. One or two motors may be made available at a time. Job is required to be completed during annual shut down of plants. Bidder to arrange for jobs during shut downs. However, for the jobs which cannot be given during the shutdown will be given in next available opportunity during contract period. One week's advance intimation will be given to party for start of job. Bidder shall mobilize his resources within one week from RCF intimation. Timely availability of resources for motor overhauling is essence of work-order.

9. Motors shall be taken to maintenance bay wherever mentioned/required. (Crane/trailer will be arranged by RCF).
10. Time for actual overhaul shall be excluding initial and final testing and from date of handover of motor after solo run from RCF EIC.
11. Time required per motor, with no major repair activity, shall not exceed stipulated time period. Jobs shall be done on round the clock basis with independent and adequate manpower.
12. Jobs on two or more motors may be taken up simultaneously so as to complete the entire O/H job in stipulated time during shutdown period. Some motors can be taken up during normal operation of plant and at different opportunities.
13. Party shall visit site on their own accord to minimize errors in technical suitability of material and estimation.
14. Quantity mentioned is tentative and exhaustive. Payment shall be done only for or executed quantity of overhauled motors.
15. On award of contract, bidder shall visit site to finalize if the motor can be overhauled at installed site or if the motor requires shifting from location at maintenance bay. Preferably, attempts may be made to overhaul motor at location/site. Any structural work for installing chain pulleys, supports, etc. shall be considered in scope of bidder. Bidder to take note of this and quote accordingly.
16. While overhauling of motor as per below mentioned points is essential part of these work-order, bidder shall also consider non-essential jobs like dynamic balancing and trueness checking of rotor, brazing of rotor bars, supply and replacement of space heaters, RTDs, Insulators for motors, supply and replacement of fiber wedges, re-metallizing of bearing housing and motor shaft, repair of heat exchanger for CACA motors, repair of fan cover, supply of acoustic insulation, etc., Supply and replacement of winding lead along with lugs, motor transportation to bidder's works, etc. Bidder to note that these non-essential jobs are need based and may not be guaranteed as these are required after discussion with RCF EIC. Bidder to separately quote for these non-essential jobs as per price schedule.

B. SCOPE OF WORK for 11 KV and 3.3 KV MOTORS:

Maintain a separate register for recording the parameters and daily progress of the motors. Take photos as required. Steps mentioned below are deemed essential jobs and are for guidelines purpose and may not be in serial order.

- 1) De-coupling, no-load test for recording values of no-load parameters and vibration readings including the run-down time. Markings to match orientation of coupling hubs/spacer to be verified and noted down before de-coupling of motor.
- 2) Alignment reading, DBSE (distance between the coupling halves of motor & driven equipment), etc. to be measured & recorded before removing the motor from foundation.
- 3) Disconnecting power, control, earthing & other signal cables (noting down markings). Disconnecting Oil lines/ purge air lines etc. as applicable.
- 4) Noting down Winding resistance, Insulation Resistance, Polarization Index, Winding RTDs, Bearing RTDs, Space heaters etc. of motor before dismantling for overhauling.
- 5) IR value of cable to be recorded before and after de-termination.
- 6) Removing, if required, the motor from foundation and shifting to the location (Maintenance bay - within RCF premises) as indicated by Engineer in-charge for overhauling.
- 7) Removal of coupling hub, dismantling of motor, removal of end covers, measurement of air gap, removal of rotor, heat exchanger etc. Dismantling the motor with utmost care. Labelling of removed parts shall be done.
- 8) For motors having Sleeve bearings - bearing clearances to be noted before removal of same. Sleeve bearing should be removed carefully so that no damage occurs to white metal. During re-assembling marking shall be matched and bearing clearance shall be maintained as per manufacturer's specification and to be noted.
- 9) Any specialized job for sleeve bearings like UT tests, clearance measurements, Dye-Penetration tests for bearing halves and bearing seat at rotor, etc. shall be carried out.

- onsidered in scope of bidder.
- 10) Oil rings for sleeve bearings shall be checked for any deformation and cracks. D effective rings shall be replaced with spares available with RCF. Also check the labyrinths and felt, clean oil grooves and holes, and replace felt.
 - 11) Checking of motor winding visually for any corona discharge / hot spots etc. Carrying out the flux loop test, if required.
 - 12) Inspection of wedges, lashings, repairs/replacement. Taping of the leads and lashing of the overhang portion, if required
 - 13) Inspection of cables between winding and terminal box and repairing / replacing the same if found faulty.
 - 14) Inspection of rotor end rings, rotor bars for any cracks/deformation.
 - 15) Thorough cleaning of stator winding and rotor and other parts. Stator winding and rotor shall be cleaned with help of dry ice blasting/cleaning. Required dry ice and cleaning equipment is in scope of bidder.
 - 16) Drying out the stator by means of external heaters or other suitable means. IR value improvement above 500 MOhms and PI above 2 (Curing cycle chart to be prepared).
 - 17) Varnishing of stator and rotor winding as per standard procedures with class F insulation varnish and Epoxy gel coat.
 - 18) Thorough inspection of DE, NDE bearing, housing, retainer plates for wear, dimensions and fitment. Replacement/ repair as required. Inspection of bearing axes for concentricity.
 - 19) Replacement of bearings as required (Bearings shall be provided by RCF).
 - 20) Bearing housings shall be cleaned thoroughly, oil level indicators (if present) & gaskets shall be replaced & it should be ensured that there is no oil leakage through them. Wherever applicable, clearance of bearing shall be measured. The clearances shall be mentioned in the report. Sleeve bearings shall be removed carefully, so as not to damage the white metal. During re-assembly blue matching shall be done and bearing clearances shall be maintained as per motor manufacturer's specification.
 - 21) Measurement of bearing insulation wherever provided in motor, rectifying the damaged insulation which may involve fabricating new insulating bolts, washers & insulating spacer rings between motor body & end cover.
 - 22) Checking of space heater and replace if required (supply and installation in party's scope).
 - 23) Assembly of motor, measurement of air gap after assembly.
 - 24) Testing of motor after overhauling:
 - a. IR & PI value - with 5 KV for 11 KV motor and 1 KV for 3.3 KV motor.
 - b. Winding resistance & inductance measurement.
 - c. Bearing insulation with 500 V Megger.
 - d. Checking of bearing & winding RTD, Dial temperature indicators for bearings and hot air.
 - e. Surge comparison at test voltage of 6.6 KV for 11KV and 2 KV for 3.3 KV motor.
 - f. Tan delta & PF at test voltage of 2.2, 4.4 & 6.6 KV for 11KV motor and 1.0, 1.4 & 1.8 KV for 3.3KV motor.
 - 25) Motor body and heat exchanger cleaning with compressed air & by mechanical cleaning by brushes. Inspection for any damages.
 - 26) Cleaning of all cooling tubes to remove soot and any foreign materials as well as any deformation due to the fault. Heat exchanger tubes shall be checked and cleaned with suitable industrial cleaner.
 - 27) Inspection of external and internal (wherever applicable) cooling fan for any physical damage, cracks, detachment of balancing weights, looseness on shaft/fixture, etc. Repair of fan cover & mesh. Replacement of damaged portions / parts

h work by new material.

- 28) Replacement of mineral wool Acoustic insulation/foam etc. with similar material as provided in motor. Decision about replacement by RCF Engineer in-charge depending upon condition of existing mineral wool acoustic insulation/foam etc. Repair of clamps/cleats etc. of required.
- 29) Thorough external cleaning of every part & removal dust, dirt, oil and grit of motor with the help of compressed air / detergent, blower, brushes and washing with electrical solvent, etc. as necessary. Complete removal of foreign matter is essential.
- 30) Spray painting of cleaned motor body and all sub-assemblies/ auxiliaries [inside and outside]. Two coats of primer & two coats of epoxy paint of light grey shade 631 of IS: 5.
- 31) Re-assembly of motor.
- 32) Shifting of motor back to position after cleaning of foundation and shims.
- 33) Reconnection of Power (as per original phase sequence), control, earthing & other signal cables, Air and Oil lines.
- 34) No-load testing of the motor and measurement of No-load parameters (i.e. IR value, no-load current, vibration readings, bearing temperatures, magnetic centre etc.). Motor casing velocities measured at the bearings must not exceed the limits specified in IS: 12075 and bearing temperatures shall not exceed acceptable limits (as specified by manufacturers) during the solo run. If vibrations or bearing temperatures are found more than specified limits party shall carry out necessary repairing jobs free of charge to bring down vibrations or bearing temperatures below specified limits. No deterioration in motor vibration condition from existing value shall be acceptable. Motor shall be kept running till all the bearing and winding temperatures becomes steady for one hour.
- 35) Taking corrective action on abnormalities if any observed in no load run.
- 36) Alignment & coupling of the motor with driven equipment (disconnection and subsequent reconnection of power and earthing cables, if required for doing alignment).
 - a. Alignment shall be carried out within protocol limits as indicated by RCF Engineer in-charge.
 - b. DBSE shall be maintained same as it was before removal of motor.
 - c. Orientation of coupling hubs and spacer shall be maintained same as it was before de-coupling of motor.
- 37) Trial run on load, if possible. Else party shall witness it in next available opportunity and take corrective measures in case of any abnormality.
- 38) Housekeeping of the site, returning of used/unused material to designated places.
- 39) Submitting detailed job report giving full details of the activities carried-out, various measurements and test results (before & after), reading register, photographs (before & after) etc.
- 40) Suggesting improvements if any.
- 41) Any other activity which is not mentioned here however it is necessary for completeness of the job.
- 42) Whenever any hardware is broken/removed by cutting during dismantling, drilling/tapping is to be done for fixing new S.S. hardware.
- 43) Special note: MK351 motors are placed in cabin structures with provision of hood fans. For overhauling of MK351 motors (11KV, 756KW) motors, it may be necessary to remove some cabin structures and hood fans to access the motor. Such removal of structures and re-assembly of removed structure, hoods, hood fans, etc. shall be in scope of bidder. Bidder on his own accord shall visit site before quoting to understand the requirement. Bidder to note and quote accordingly.

y.

C. Contractors Scope:-

1. All tools, tackles, (chain-pulley blacks, D-shackles, slings, Hydraulic/ordinary pullers, D/ring/box spanners etc.), calibrated measurement/testing equipments. Insulating Varnish - Epoxy gel-coat class F, winding cleaner, Paint (epoxy, Light grey shade 631 of IS: 5), primer, spray gun, torch for gas heating etc. required for the job at site.
2. Testing and measuring instruments e.g. 1KV/5KV insulation tester, winding resistance meter, surge comparison kit, tan delta kit etc. with their calibration certificates for carrying out the job.
3. Suitable Dry Ice cleaning equipment.
4. Manpower (skilled, unskilled, riggers etc. for working round-the clock).
5. Acoustic insulation/foam, winding leads, wages and any other material required for repairs and NOT specifically mentioned in RCF's scope.
6. Any minor additional work, which may be required for satisfactory completion of the job after prior written RCF approval.

D. R.C.F. Scope:--

1. Supply of mobile crane and trailers for shifting of the motor from motor location to job location within RCF premises.
2. Acetylene / Oxygen gas cylinders.
3. Bearings and other spares (as available) for the motor and material for fan cover/mesh repair.
4. Measurement Vibration & temperatures of the motor at no load & load run
5. Compressed air and 3-phase Electrical supply at one point.

E. Time period -

Job shall be furnished within stipulated time as mentioned in Annexure-I for each motor (for essential jobs). These motors being critical equipment, it is essential to carry out the job on round the clock basis and shall be completed in shortest possible period. Party shall furnish minimum time required for the job.

F. Performance guarantee: -

Party shall provide workmanship guarantee for the job carried out and also for the material supplied (if any) for a period of one year. Any abnormality observed during guarantee period shall be attended by the contractor free of cost.

G. Tenure of the contract: The contract shall be valid for a period of **TWO years**.

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to

exemption provided to such sellers under GeM GTC.

3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.
15. Any ATC clause in contravention with GeM GTC Clause 4 (xiii)(h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

This Bid is governed by the [General Terms and Conditions/सामान्य नियम और शर्तें](#), conditions stipulated in Bid and [Service Level Agreement](#) specific to this Service as provided in the Marketplace. However in case if any condition specified in General Terms and Conditions/सामान्य नियम और शर्तें is contradicted by the conditions stipulated in Service Level Agreement, then it will over ride the conditions in the General Terms and Conditions.

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्यवाई का आधार होगा।

---Thank You/धन्यवाद---