



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2024/B/5726144
Dated/दिनांक : 19-12-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	02-01-2025 11:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	02-01-2025 11:30:00
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; OVERHAULING OF HT AND LT MOTORS, Electrical System or Installation; Service Provider
Contract Period/अनुबंध अवधि	1 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	No
Type of Bid/बिड का प्रकार	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	3 Days

Bid Details/बिड विवरण	
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.

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

PRICED_BID - [1734583698.xlsx](#)

Additional Qualification/Data Required/अतिरिक्त योग्यता /आवश्यक डेटा

Buyer to mention scope of work:[1734583711.pdf](#)

Terms and Conditions/ Deductions etc to be mentioned by Buyer as per their requirement:[1734583712.pdf](#)

Any other details to be mentioned by buyer for repair work:[1734583751.pdf](#)

Any other details to be mentioned by buyer for repair work:[1734583717.pdf](#)

Repair, Maintenance, And Installation Of Plant/ Systems/Equipments (Version 2) - Industry Unit; OVERHAULING OF HT AND LT MOTORS, Electrical System Or Installation; 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	OVERHAULING OF HT AND LT MOTORS , Electrical System or Installation
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	Prashant Srivastava	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

We have planned to undertake the overhauling of the 3.3 KV motor (37K1, 32P13, 14 P3) and 415V motors (19K3, 22P4, MK6101) with details given below during the shut down as per availability.

Scope shall include overhauling, replacement of bearing as per requirement, repairs of bearing housing if required, boxing up, alignment, no load run, load testing after coupling etc. The detail scope of work is enclosed.

After overhauling, the motors shall not have any abnormal sound, DE and N DE bearing temp shall be normal and vibrations shall be within limits as per latest IS.

A- Details of the Motors:

Common specification:

Type: Squirrel cage induction

Frequency: 50 Hz

Insulation Class: F

Enclosure: IP55

Mounting: Horizontal foot

Motor title	COLD WELL PUMP	IGP compressor	Syn.Gas compressor	Ammoia Pump
Motor tag no.	32P11/P13	37Mk1	19K3	14P3
Make	CROMPTON	CROMPTON	Fuji Electric, Japan	Kirloskar
Rating	780 KW	425 KW	110 KW	225 KW
Voltage	3300	3300	415V	3300
Frame	KMHAC560/3	KMHAC560/3	335M	
Speed [rpm]	988	591	975	1486
Haz. Protection	Ex-e	Ex-e	Ex-e	Ex-e

Full load current	172A	100A	185A	49A
Total wt. of motor (MT)	5.00	5.00	2.0 Approx	3.0
App. Dimension (LXWXH) meters	1.7 x 1.3 x 1.5	1.8 x 1.9 x 1.85	1.2 x 0.7 x 0.65	0.75 x 1.3 x 1.5
Bearing D. E.	NU330C3	NU330C3	NU326	NU321
Bearing N DE	NU224C3/6224C3	NU224C3/6224C3	6322	6321
Lubrication	GREASE	GREASE	Grease	Grease
Type of cooling	CACA	CACA	Fan cooled	TEFC
No. of motors	Two	One	One	Two

Notes:

1. EOT/Hydra crane will be arranged by RCF.
2. Time required per motor overhauling shall not exceed 10 days.
3. Jobs shall be taken up simultaneously on two to more motors as per availability so as to complete the entire overhauling job in stipulated time.

B- OVERHAULING & TESTING (Common)

1. Obtaining relevant permits before starting the work.
2. De-coupling, no-load test, recording values of no-load run parameters and vibration readings including the coasting down time.
3. Alignment, gap between the motor & pump coupling halves, etc. to be measured & recorded before removing the motor from foundation.
4. Disconnecting power, control & other signal cables (noting down markings & termination details).
5. IR value and PI value of motor and cable to be recorded before and after determination.
6. Removing the motor from foundation and shifting to the site of overhauling as per requirement.
7. Taking out rotor.
8. Varnishing of stator and rotor winding as per standard procedures with Dr. Beck & co make varnish and Epoxy gel coat.
9. Dynamic balancing and true ness checking of rotor if required. This includes to and fro transport of rotor by Party.
10. Checking of motor winding visually for any corona discharge / hot spots etc.
11. Inspection of cable terminal box and star point box insulators and replacement if required.

12. a) Inspection of winding lids in motor terminal box and star point box, re insulation/repairs of lid if required. Inspection and noting down milliohms resistance measurement /milli volt drop measurement of winding lid lugs to ensure proper healthiness of winding lead lug crimping/brazing/soldering. In case of any abnormality re crimping/brazing/ soldering as per requirement.
- b) Replacement of winding lead as per requirement
13. Inspection of wedges, lashings, repairs/replacement if required.
14. Drying out the stator by means of external heaters. IR value improvement to >500 M. Ohms and PI to >2.5(curing cycle chart to be prepared). However, decision of RCF Engineer in charge will be final in this matter.
15. Inspection of bearings/ housings. Re-metalizing of bearings housings if required. Replacement of Bearings shall be done after getting approval from RCF engineer. New bearings will be supplied by RCF.
16. Checking of space heater and to be replaced.
17. Assembly of motor, measurement of rotor air gap
18. Testing of motor:
 - a. IR & PI value with 1 KV Megger
 - b. Winding resistance & inductance before and after overhauling.
 - c. Checking of bearing & winding RTDs.

Testing shall be done as per EASA guidelines for used motors.
Party shall submit valid calibration certificate of their test equipment's.
19. All test equipment shall be arranged by party.
20. Motor body repairing, fan cover and fan cover wire net repairs.
21. Spray painting of motor body after thorough cleaning of body surface. Two coats of primer & two coats of rubber based epoxy paint.
22. Shifting of motor back to position after cleaning of foundation and shims.
23. Termination of Power, control & other signal/RTD cables.
24. No-load run of the motor & measurement of no load run parameters, vibration reading etc.
25. Alignment to protocol readings & coupling of the motor with driven equipment (de-termination of cables for alignment, if required).
26. Trial run on load & measurement of on load run parameters, vibration reading etc.
27. Submitting detailed job report giving full details of the activities carried-out, various measurements and test results (before & after).
28. Suggesting improvements if any.
29. Any other activity as felt necessary for completeness of the job and bringing the vibration level within permissible limits. No deterioration in motors vibration condition from existing value shall be acceptable.
30. All items mentioned are not guaranteed and payment shall be done against actual quantities executed.

31. Job specific to 3.3Kv Motors:

- a. Measurement of air gap, bearing clearance. Inspection of labyrinths etc.
- b. Inspection of rotor D.P. test & growler test to detect any rotor bar/ end ring crack.
- c. Carrying out the flux loop test as per instruction from RCF Elect. In-Charge of 3.3 Kv motors. Necessary tools and material like cables shall be arranged by party.

- d. Heat exchanger cleaning with compressed air and mechanical cleaning by brushes. Inspection for any damages. Repair of heat exchanger including fabrication & replacement of gaskets by approved type. Supply of good quality gasket shall be in Party's Scope.
- e. Testing of motor: Inter-turn surge comparison test.
- f. Tan delta of motor winding.
- g. Tan delta and IR PI testing of 3 core (3.3Kv) power cables.

C- Contractor's scope: -

- i. All tools, tackles, calibrated measurement/testing equipment (chain-pulley blocks, D-shackles, slings, Hydraulic/ordinary pullers, D/ring/box spanners etc.), Insulating Varnish - Epoxy gel-coat class F, Winding cleaner, Paint (rubber based epoxy Light Grey shade 631 of IS: 5), primer, spray gun ,torch for gas cutting etc. required for the job at site
- ii. Manpower (skilled, unskilled, riggers etc.)
- iii. Any hardware if broken while carrying out the job to be replaced by S.S. hardware.
- iv. Any minor additional work, which may be required for satisfactory completion of the job. For any major additional work prior written RCF approval shall be obtained.

D- R.C.F.'s scope: -

- 1. Supply of mobile crane for shifting of the motor.
- 2. Supply of bearings for the motor.
- 3. Vibration & temperatures checking of the motor on No load & load run.
- 4. Compressed air will be supplied at one point.
- 5. Medical help provided at site shall be limited to First Aid only.
- 6. Accommodation in the Guest house / township will be provided on chargeable basis subject to availability.

E Completion Time - These motors being critical equipment, it is essential to carry out the job on round the clock basis and shall be completed within ten days for each 3.3 KV motor and six days for LT motors.

F- Guarantee: - Party shall provide guarantee for the job for a period of one year.

Note: - 1) Time is the essence of this contract hence party shall depute maximum skilled, unskilled and supervisors for job.

List of tests as per scope of work

a) Electrical tests -

Sr No	Test	Remark
1	No load run test before overhauling (Noting no load parameters, vibrations including coasting down time)	

2	IR & PI before & after de-termination and after overhauling.	
3	Winding resistance & Inductance before & after overhauling	
4	Inter-turn surge comparison test	
5	Motor flux loop test	As per instruction from RCF Engineer
6	Checking Winding RTD's	
7	Milliohm resistance / Milli volt drop measurement of winding lug	
8	No load run test after overhauling (Noting no load parameters, vibrations etc)	
9	Trial run on load (Noting on load parameters, vibrations etc.)	

b) Non Electrical tests -

Sr No	Test	Remark
1	Alignment reading & Gap between motor & pump before removing motor from foundation.	
2	Rotor DP test & growler test	
3	Dynamic balancing & trueness checking	If required, as per instruction from RCF Engineer
4	Checking Bearing RTD's	
5	Measurement of Bearing housing	
6	Alignment readings with pump	

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---