



ब्रेथवेट एण्ड कम्पनी लिमिटेड
(भारत सरकार का एक उपक्रम)

BRAITHWAITE & CO LIMITED

(A Government of India Undertaking)

MINISTRY OF RAILWAYS

HEAD OFF. & REGD. OFF. : 5, HIDE ROAD, KOLKATA – 700 043

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CIN-‘U74210WB1976GOI030798’

Tender Enquiry No: BCL / PUR / AMC Slip Ring Motors / SS / CW / 2017 Dated: 11.01.2017

To,
M/s

Sealed offers are invited in two bid system for Annual Rate Contract of Slip Ring induction Motors as per Scope of Work and terms & conditions of the tender.

- | | | |
|-------------------------------|------------------|-------------------|
| (a) Closing of tender | : At 2.30 p.m on | 24.01.2017 |
| (b) Opening of the tender Box | : At 3.00 p.m on | 24.01.2017 |

The offer should comprise of parts as under:

- | | |
|------------|-------------------------------|
| A) Part-I | : Techno-commercial bid & EMD |
| B) Part-II | : Price Bid |

Both Part – I & Part – II shall be inserted separately in 2 envelopes and these shall be put into 3rd envelope and all the envelopes shall be sealed and super-scribed with **Part No & above mentioned Tender No, Date & Due Date**. The quotation shall be treated as cancelled if the documents for Part- I & Part – II are not placed in the respective envelope.

Quotation must be sent in sealed cover either by Registered Post or may be dropped in our **Tender Box No. 2** in case of hand delivery. Sealed quotations addressed to GM (MM), Braithwaite & Co. Ltd, Clive Works, 5 Hide Road, Kolkata 700 043 may be dropped in our tender box **no. 2** (in case of hand delivery) or may be sent by Registered Post but must reach us positively within **24.01.2017** by **2.30 PM**. Techno-commercial bid will be opened on **24.01.2017** at **3.00 PM**.

Tenderer may depute their representative during opening of the tender. The price bid shall be opened for techno-commercially acceptable bidders for which, opening date & time will be intimated in due course.

Bidders should submit copies of Service Tax Registration Certificate along with Techno-commercial Bid else your offer may not be considered.

Cntd. P/2

PART-I: TECHNO-COMMERCIAL BID**Scope of work: Annual rate contract for repairing of slip ring induction motors**

| SI. No. | Motor Rating | Tentative requirement |
|---------|---|-----------------------|
| 1 | Above 130 KW (173 HP) up to 170 KW (226 HP) | 1 no |
| 2 | Above 100 KW (133 HP) up to 130 KW (173 HP) | 2 nos. |
| 3 | Above 75 KW (100 HP) up to 100 KW (133 HP) | 2 nos. |
| 4 | Above 55 KW (74 HP) up to 75 KW (100 HP) | 2 nos. |
| 5 | Above 40 KW (54 HP) up to 55 KW (74 HP) | 5 nos. |
| 6 | Above 30 KW (40 HP) up to 40 KW (54 HP) | 4 nos. |
| 7 | Above 20 KW (26.6 HP) up to 30 KW (40 HP) | 6 nos. |
| 8 | Above 15 KW (20 HP) up to 20 KW (26.6 HP) | 8 nos. |
| 9 | Above 11 KW (15 HP) up to 15 KW (20 HP) | 5 nos. |
| 10 | Above 7.5 KW (10 HP) up to 11 KW (15 HP) | 10 nos. |
| 11 | Above 4.5 KW (6 HP) up to 7.5 KW (10 HP) | 15 nos. |
| 12 | 0.75 KW (1 HP) upto 4.5 KW (6 HP) | 10 nos. |

Scope of work:

1. Dismantling of motors.
2. Complete Rewinding of Stator with new dual coated enameled conductor with Class H insulation with proper heating & varnishing.
3. Complete Rewinding of Rotor with new dual coated enameled Copper conductor with class H insulation with proper heating & varnishing.
4. Complete overhauling & heating varnishing of Stator.
5. Complete overhauling & heating varnishing of Rotor.
6. Replacement of broken shaft of rotor with EN group material / existing shaft material (test certificate of shaft material should be produced at the time of delivery of motor).
7. Dynamic balancing of rotor as per IS at rated speed of motor to be done. Balancing certificate has to be submitted at the time of delivery.
8. Rectification / Repairing of keyway of existing shaft (along with supply of new key suitable to coupling / gear) and existing coupling / gear (along with true fitting).
9. Rectification of bearing housing (both side) along-with fitting of grease cap, bearing cover etc.
10. Replacement of damaged bearing (ball/roller) of NDE side by new bearing. New bearing (Ball / Roller) should be of SKF / FAG/ NBC make.
11. Replacement of damaged bearing (ball/roller) of DE side by new bearing. New bearing (Ball / Roller) should be of SKF / FAG/ NBC make.
12. Replacement of complete slip ring assembly with new slip ring assembly.
13. Replacement of all damage carbon brushes with proper grade of carbon brush (EG-14 or equivalent, as required)
14. Rectification / Replacement of damaged carbon brush holders including spring by new carbon brush holders & springs.
15. Replacement of damaged springs by new one.
16. Rectification / Replacement of damaged side cover/ grease cap etc.
17. Rectification / Replacement of damaged connection terminal block with cover.
18. Rectification of inspection cover / cooling fan etc.
19. Replacement of cooling fan blade with locking arrangement.
20. Assembling & testing of motors.
21. Painting of the machine with golden yellow for the crane motor and Siemens gray for other motor.

Note: - Any other additional work if found necessary during progress of work (which are not tabulated above), the same have to be carried out by the repairer for good performance of the machine.

The quantity of Motor may increase or decrease depending upon the actual requirement and job to be carried out as and when required basis.

For Website Bidders, following criteria may be fulfilled and accordingly documents to be submitted with Techno-commercial offer:

- 1) Executed at least one "Similar Work" of value **Rs. 6.05 Lakhs**
OR two "Similar Work" having each value **Rs. 3.78 Lakhs**
OR three "Similar Work" having each value **Rs. 3.02 Lakhs during** last 7 years ending on 31.12.2016.
Purchase Order Copy and completion certificate/ copies of payment receipt of the same to be submitted.
- 2) Average annual turnover of **Rs. 2.27 Lakhs** during last 3 years ending on 31.03.2016 and achieved net profit in any of the 3 years and should have positive net worth as on 31.03.2016.
- 3) Copies of Audited / CA Certified Balance Sheet and Profit & Loss A/cs during last 3 years ending on 31.03.2016.

"Similar Work" means Annual Rate Contract/Repairing of different types of Motors.

Terms & Conditions:

- 1) This is a service contract for rewinding / repairing of Slip Ring induction motors. The duration of contract will be 12 months starting from the date of issue of purchase order. The rates quoted should be valid for the entire period of contract.
- 2) The quantity of motors specified is for indication only as the job has to be carried out as & when required basis. Parties are required to collect the burnt / defective motors within 48 hours of intimation.
- 3) Parties are advised to visit our works for preliminary inspection of motors which are already lying in our works in defective condition. Parties are required to give an unconditional acceptance of all terms & conditions of tender.
- 4) Any motor taken outside for repairing / rewinding should be returned to CW within 8weeks maximum (for Motor Rating from 55 KW above), 5 weeks maximum (for Motor Rating above 15 KW upto 55 KW) and 3 weeks maximum (for Motor Rating from 0.75 KW to 11 KW) from the date of joint inspection / clearance from maintenance department.
- 5) Scope of work given is only a guide for actual work. Parties are advised to quote against each of the item as given in price bid per unit basis.
- 6) Joint inspection will be carried out only after dismantling of motors at repairer workshop (in presence of BCL representative) to identify the actual scope of work to be carried out on that machine after dismantling.
- 7) Braithwaite reserves the right to inspect progress & quality of work at different stages with or without any prior intimation. Party has to arrange for necessary inspection facilities.
- 8) All repaired motors will be tested without & with load. It is expected that contractor's representative will be present during trial. Each motor will be run for 14 days after commissioning before full & final acceptance & certification.
- 9) Six months guarantee for repairing job from the date of successful commissioning should be given.
- 10) The winding cost of new copper conductor must be calculated after deducting the value of scrap copper conductor, which may be kept by the party, of same quality / weight.
- 11) Burnt wires are to be kept by party. Replaced bearings, Shaft, Slip Ring / End covers, Rocker Assembly, carbon holder, etc should be returned to CW stores with proper challan. Other scrap materials if any, also to be returned to CW stores with proper challan.
- 12) Bill will be certified by Manager (Maintenance) - CW & VW / Unit Head / Works Manager (I/C)-CW & VW.
- 13) Party should have suitable infrastructure, repairing facility and proper instruments at their workshop to carry out the job. Braithwaite's representative may visit their workshop to verify the same before placement / finalizing of order.
- 14) The party has to make their own arrangement (Transportation) to take the defective machine from our workshop and also during the delivery of repaired machine to BCL.
- 15) Party should maintain Industrial Safety norms during handling of materials at or within BCL premises.
- 16) Quoted rates shall consider to & fro transportation, dismantling, overhauling and painting charges and other charges if any.
- 17) **In case, any motor taken outside for repairing / rewinding, the contractor shall have to provide additional Security Deposit of 5% of order value along with actual Security Deposit as per tender terms i.e. 5% of order value that is equal to total of 10% of total order value while taking out the motors from BCL, which will be returned after end of contract period.**

General Terms & Conditions:

1) Earnest Money Deposit (E.M.D):_Rs. 5,000/- (Five Thousand only)

E.M.D. is required to be deposited as Bid Security and to be submitted in the form of DD/Pay Order drawn in favour of "Braithwaite & Co. Ltd.," payable at Kolkata or you may deposit EMD in the form of Bank Guarantee which will be valid for 120 days from the date of opening of the tender. However, the units registered with DGS&D, SSI Units registered with NSIC for the tendered items, MSME units for the tendered item, PSU units & RDSO approved manufacturers for the tendered items may be exempted from submission of EMD. Necessary documentary evidence shall have to be submitted along with techno-commercial bid.

EMD will be forfeited or revoked if the bidder withdraws, amends, impairs or derogates and/or if the price is escalated later within the validity of the tender. EMD without any interest shall be returned to unsuccessful bidder after finalization of contract. For successful bidder, the same will be retained by BCL till submission of Security Deposit. EMD can be converted to Security Deposit if so desired by the successful bidder and the party has to submit balance amount of Security Deposit through DD/BG/Pay Order. EMD will be forfeited or revoked if the tender is withdrawn. For the bidders claiming exemption from EMD, they must submit relevant documents for the same.

EMD should be submitted along with your techno-commercial bid otherwise, your Offer may be considered as cancelled.

2) Security Deposit : 5% of the order value only in the form of DD/Pay Order / Bank Guarantee from an Indian Nationalised Bank to be submitted by the successful bidder within 15 (Fifteen) days on receipt of Purchase Order. Security Deposit will be released and returned to the contractor after completion of warranty/ guarantee period. Security Deposit may be waived for SSI, NSIC, MSME units, PSU and vendors registered/ approved by DGS&D & RDSO.

Security Deposit may also be built up by deducting the amount proportionately from each bill of the supplier/contractor on their request. However, 50% of the total amount of security deposit is to be deposited by the successful bidder on receipt of purchase order. Balance 50% may be recovered from running bill.

As and when an amendment is issued to the contract, the contractor shall within 15 days of receipt of such an amendment furnish to the purchaser an amendment to the security deposit and / or Bank Guarantee rendering the same valid for the contract as amended.

3) Performance Guarantee: The supplier shall have to submit Performance Bank Guarantee for 5% of Order value as per format to be provided by BCL after placement of order. The Performance Bank Guarantee shall have to be submitted before receipt of first payment. The performance bank guarantee shall remain valid up to the completion of warranty / guarantee. The Security Deposit, if submitted, may be converted to Performance Guarantee.

4) Payment: 100% after 30 days from the date of submission of bills with all relevant documents after completion of job duly certified by Manager (Maint)-CW&VW & Unit Head / Works Manager I/C-CW&VW. Payment for taxes & duties shall be made at actual as applicable as per prevailing rates against relevant documents. However, **payment will be made on the basis of actual as certified by BCL.**

5) Contract Period: 12 months from date of LOI / PO.

6) Inspection: Stage Inspection with progress of work and final inspection at completion shall be carried out by BCL.

7) Price Confirmation: Quoted / Ordered Rate shall remain firm till to the completion of the job. Price variation shall not be entertained.

8) Validity: Offer should remain valid for 90 days from the date of opening of the bid.

9) Liquidated Damages: In the event of failure to do the job within the stipulated delivery date, BCL reserves the right to recover a sum of 0.5% for every week of delay or part thereof by way of Liquidated Damages, subject to a maximum of 10% of the ordered value.

10) Risk Purchase: In the event of failure on the part of the contractor to do the job within the reasonable period of time as decided by the purchaser, BCL reserve the right to procure the items mentioned in our purchase order from alternative sources on Risk Purchase basis and shall recover the extra cost thereof, if incurred, from you.

11) Arbitration: All questions, disputes or difference, whatsoever, shall arise between the purchaser and the contractor upon or in relation to or in connection with the contract, either party may forthwith give to the other notice in writing of the existence of such question, dispute or difference and the same shall be referred to the adjudication of the sole Arbitrator. MD/ CMD of BCL shall have the right and authority to appoint any officer of the Company as Arbitrator, not below the rank of General Manager who is not directly connected with the Purchase Order.

Such a reference submitted to the Arbitrator shall be deemed to be the submission to the Arbitrator within the meaning of the Arbitration and Conciliation Act, 1996 statutory modification thereof. The proceedings of the Arbitration shall be held in Kolkata.

12) Jurisdiction: Any legal dispute that may arise will be settled within the jurisdiction of Court of Kolkata.

13) Rejection/Replacement: The contractor shall arrange for free replacement / rectification of rejected / defective materials or job, if any, detected during or after fitment of works, on receipt of our written advice to that effect. The replacement / repairing shall be made within 15 days from the date of our advice failing which, BCL reserve the right which deemed fit.

14) Termination of Contract: BCL reserve the right to terminate the order at any point of time in case of non-performance/ non-compliance of delivery schedule/poor quality of materials by giving 7 days notice.

15) Unconditional Acceptance: Party should have to submit the unconditional acceptance of all the tender terms & conditions along with the Techno-commercial Bid.

16) No alternation / inclusion / deviation may be allowed after submission of offer. All corrections (if any), must be signed at the appropriate place by the signatory of the bidder, otherwise tender will be considered as invalid.

17) Tender will be considered cancelled if the document required for Part – 1 & Part – II bids are not placed separately in respective & proper envelope. No prices should be indicated in the Techno-commercial (Part – I) Bid of the bidders else the tender shall be treated as cancelled.

18) A copy of unquoted price bid (i.e. copy of price bid without any price figure but mentioning as “Price Quoted” or “Price Not Quoted” in relevant columns) to be submitted along with Techno-commercial Bid.

19) For any technical query / clarification related to the repairing job, party may communicate with Manager Maintenance (CW & VW) / Works Manager (I/C) – CW & VW.

20) Job & Bill Certification: Job and Bills will be certified by Manager (Miant)-CW & VW and Unit Head / Works Manager (I/C) – CW & VW.

Price Bid Part shall be opened only if Part-I is qualified.

PART-II: PRICE BID

- 1) The rate to be quoted both in figures and words. The quoted rate should not be different between figures and words. If there is difference between the figures and words, we will take the quoted rate in words only.
- 2) This part must be free from any condition and signed with stamp.
- 3) Overwriting / Use of White ink / Correction in price figure of the quotation will be rejected.
- 4) The bidder shall submit rate in the following format.
- 5) Price Bid without signature shall be considered as cancelled.
- 6) **L(1) bid shall be evaluated on the basis of lowest Grand Total Amount exclusive of Service Tax of each type of motor.**

| Description of motors with details scope of work | Above 130 KW (173 HP) up to 170 KW (226 HP) | Above 100 KW (133 HP) up to 130 KW (173 HP) | Above 75 KW (100 HP) up to 100 KW (133 HP) | Above 55 KW (74 HP) up to 75 KW (100 HP) | Above 40 KW (54 HP) up to 55 KW (74 HP) | Above 30 KW (40 HP) up to 40 KW (54 HP) | Above 20 KW (26.6 HP) up to 30 KW (40 HP) | Above 15 KW (20 HP) up to 20 KW (26.6 HP) | Above 11 KW (15 HP) up to 15 KW (20 HP) | Above 7.5 KW (10 HP) up to 11 KW (15 HP) | Above 4.5 KW (6 HP) up to 7.5 KW (10 HP) | 0.75 KW (1 HP) upto 4.5 KW (6 HP) |
|---|---|---|--|--|---|---|---|---|---|--|--|-----------------------------------|
| | Rate with taxes & duties (Rs) | Rate with taxes & duties (Rs) | Rate with taxes & duties (Rs) | Rate with taxes & duties (Rs) | Rate with taxes & duties (Rs) | Rate with taxes & duties (Rs) | Rate with taxes & duties (Rs) | Rate with taxes & duties (Rs) | Rate with taxes & duties (Rs) | Rate with taxes & duties (Rs) | Rate with taxes & duties (Rs) | Rate with taxes & duties (Rs) |
| 13) Replacement of damage carbon brushes with proper grade of carbon brush (EG-14 or equivalent). | | | | | | | | | | | | |
| 14) Rectification / Replacement of damaged carbon brush holders including spring by new carbon brush holders & springs. | | | | | | | | | | | | |
| 15) Replacement of damaged springs by new one. | | | | | | | | | | | | |
| 16) Rectification / Replacement of damaged side cover / grease cap etc. | | | | | | | | | | | | |
| 17) Rectification / Replacement of damaged connection terminal block with cover. | | | | | | | | | | | | |
| 18) Rectification of inspection cover / cooling fan etc. | | | | | | | | | | | | |
| 19) Replacement of cooling fan blade with locking arrangement. | | | | | | | | | | | | |
| 20) Assembling & testing of motors. | | | | | | | | | | | | |
| 21) Painting of the machine with golden yellow for the crane motor and Siemens gray for other motor. | | | | | | | | | | | | |
| GRAND TOTAL AMOUNT | | | | | | | | | | | | |