



BRAITHWAITE & CO LIMITED

(A Government of India Undertaking)

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TENDER NO. BWT/PUR/REPAIRING & REWINDING/AC & DC MOTORS/ARC/CW/10-
11 DATED 26.07.2010
DUE ON 08.08.2010 (TENDER BOX NO. 5)

M/s. _____

Dear Sirs,

Sub:- Annual Rate Contract for repairing & rewinding of D.C. / A.C. motors at Clive Works.

Sealed quotations are invited for execution of job for Annual Rate Contract for repairing & rewinding of D.C. / A.C. motors at Clive Works as detailed below:

TYPE & LIST OF MOTORS:

- 1) D.C. Series Motors - 5 HP, 15 HP, 18 HP, 25 HP & 40 HP
- 2) D.C. Shunt Motor- 15 HP
- 3) A.C. Induction Motors- 1 HP to 4 HP, 5 HP, 7.5 HP, 10 HP, 12.5 HP, 17.5 HP, 20 HP and 120 HP
- 4) A.C. Slip ring Induction Motors- 4.5 KW, 7.5 HP, 9 KW, 10 HP, 16 HP, 20 HP, 25 HP, 29.5 KW, 38 KW, 70 HP & 145 HP.

ANNUAL RATE SCHEDULE

SCOPE OF WORK FOR DC MOTORS:

- 1) Complete rewinding of Armature / Rotor with new dual coated enameled conductor with class-H insulation.
- 2) Complete re-staggering of Armature / Rotor core.
- 3) Complete rewinding of field coil with new dual coated enameled conductor with class-H insulation.
- 4) Complete re-staggering of field core
- 5) Complete rewinding of Interpol coil with new dual coated enameled conductor with class-H insulation
- 6) Complete re-staggering of Interpol
- 7) Complete rewinding of compensating coil with new dual coated enameled conductor with class-H insulation.

- 8) Complete re-staggering of compensating coil
- 9) Complete overhauling, heat varnishing of field / interpole / compensating coils.
- 10) Complete overhauling, heat varnishing of field / interpole / compensating coils.
- 11) Complete cleaning, under cutting & overhauling of commutator.

Contd..P/2

[2]

- 12) Turning & under cutting of commutator.
- 13) Replacement of damaged segments of commutator with new segments along with turning & under cutting of commutator.
- 14) Replacement of complete commutator assembly by new commutator assembly including supply of materials.
- 15) Repairing / rectification of Rocker assembly including Rocker setting.
- 16) Repairing / rectification of Carbon Brush holders.
- 17) Replacement of damaged Carbon brush holders with new one including supply.
- 18) Replacement of damaged spring by new one.
- 19) Replacement of complete rocker assembly with brush holder & spring including rocker setting.
- 20) Replacement of Carbon brush.
- 21) Rectification / repairing of bearing housing.
- 22) Replacement of damaged Bearing of NDE / DE side.
- 23) Dynamic balancing of Rotor as per rated speed of motor. Balancing certificate has to be submitted.
- 24) Replacement of Rotor Shaft & balancing.
- 25) Repair / rectification of broken / damaged Rotor shaft & balancing.
- 26) Complete testing including drop test of armature.
- 27) Dismantling & re-assembling of motor.
- 28) Replacement / rectification of damaged connection terminals.
- 29) Rectification / replacement of cooling fan.
- 30) Rectification of motor brake wherever applicable.

SCOPE OF WORK FOR SQ CAGE INDUCTION MOTORS:

- 1) Complete overhauling of motor.
- 2) Rewinding of Stator with dual coated enameled conductor & class-H insulation.
- 3) Re-staggering of Stator core.
- 4) Overhauling / heat varnishing of Stator.
- 5) Rectification / repair of Rotor Shaft including balancing.
- 6) Replacement of Rotor Shaft
- 7) Replacement of Rotor including balancing.
- 8) Repairing / rectification of Bearing Housing
- 9) Replacement of Bearing at NDE / DE side
- 10) Dismantling & re-assembling of motor.
- 11) Replacement of damaged cooling fan.

SCOPE OF WORK FOR SLIP RING INDUCTION MOTORS;

- 1) Complete rewinding of Rotor with new dual coated enameled conductor with class-H insulation.
- 2) Complete re-staggering of Rotor core
- 3) Complete rewinding of Stator coil with new dual coated enameled conductor with class-H insulation.
- 4) Complete re-staggering of field core.
- 5) Complete overhauling, heat varnishing of Rotor.
- 6) Complete overhauling, heat varnishing of Stator coils.
- 7) Rectification / repair of Slip rings.
- 8) Replacement of Slip rings
- 9) Replacement of Slip ring Carbon brushes.

Contd..P/3

[3]

- 10) Replacement of Brush holder.
- 11) Rectification / repair of brush holder.
- 12) Replacement of Carbon holder spring.
- 13) Rectification / repair of bearing housing.
- 14) Rectification of bearing housing of NDE / DE side.
- 15) Dismantling & re-assembling of motor.
- 16) Complete testing of motor.
- 17) Dynamic balancing of Rotor.
- 18) Replacement of damaged shaft of Rotor.
- 19) Repair / rectification of broken / damaged shaft of Rotor.

Terms & Conditions:

- Job to be done as per instruction of Engineer-in-charge of BCL and payment will be made as per actual work done.
- All materials are to be certified by Engineer-in-charge and should be as per specification.
- Actual scope of will be determined based on Joint Inspection Report. The rates quoted by the party for individual item shall be fixed for one year. However, parties will be asked to carry out the job based on the quoted rates and actual work which will be determined after opening of the particular motor.
- Party will be required to work even on Sunday & Holidays.
- If any material or parts of the machine is taken out of BCL premises for repair, proper value of Bank Guarantee as decided by user department to be submitted against that on case to case basis.
- Scrap material if any shall be returned to our Stores with proper challan.

- Bidders are advised to quote their rates for individual item against each rating of motor.

Other terms & conditions:

- a) The tender shall consist of two-bid system:
 - (i) Techno-Commercial Bid & EMD (Part-I)
 - (ii) Price Bid (Part-II)
- b) Sealed quotation shall be sent to DGM (Purchase), Braithwaite & Co. Limited, 5, Hide Road, Kolkata-700043 or may be dropped personally in our Tender Box No. (5).
- c) Quotations shall be inserted in separate envelopes indicating Part-I & Part-II. These two envelopes shall be inserted in third envelope super scribing our tender number, date, due date and box no.

Contd..P/4

[4]

- d) EMD - Rs. 10,000/- is to be submitted by the tenderer along with Techno-Commercial bid (Part-I) either in the form of BG / Pay Order / Demand Draft drawn in favour of 'BRAITHWAITE & CO. LTD.' No offer will be considered without EMD.
- e) The units registered with DGS & D, SSI units registered with NSIC and PSU units approved vendors, may be exempted from submission of EMD.
- f) The earnest money is liable to be forfeited if the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- g) Earnest Money lodged by unsuccessful bidder shall be refunded to them immediately after finalization of a tender. In case of the successful tenderer, the same shall be retained by the company till completion of the supply / service or if so decide by the tenderer adjusted against Security deposit for the said or any other tender as the case may be.
- h) The entire job has to be executed under supervision / instruction of Maintenance Department or their nominated authorized representative.
- i) Braithwaite, in no case will be held responsible for any statutory related matters. The bidder should also take safety precautions while executing the job. Any accident / mishap occurred during the currency of the contract to their workmen, the entire responsibility shall be on party's account.
- i) Security Deposit @ 5 % of the ordered value (Max.) only in the form of Bank Guarantee (valid up to the completion of the order), Demand Draft / Pay

Order must be submitted by the successful bidder (hereinafter called as party) within 15 days on receipt of purchase order and on receipt of the same, EMD will be returned.

- j) Security Deposit will be discharged and returned to the Supplier / contractor on completion of supplier's / contractor's obligations under the contract including any warranty obligation or specified in the contract.
- k) As and when an amendment is issued to the contract, the supplier / contractor shall within 15 days of the 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.
- l) Offer validity - 90 days from the date of opening the tender.
- m) Ordered rate (all inclusive) remain firm up to end of the contract.
- n) BCL reserves the right to increase or decrease the ordered quantity during the currency of contract by not more than 30 % of the ordered quantity on the same price and terms and conditions by giving the notice in writing to that effect and according to the revised delivery schedule as advised by the Company.
- o) Liquidated Damages:
In the event of failure on the part of the supplier to complete the job within the stipulated completion period, Braithwaite reserves the right to recover a sum of 0.5 % for every week or part thereof by way of L.D., subject to a maximum of 10 % of the ordered value.

Contd..P/5

[5]

- p) Risk Purchase:
In the event of failure on the part of the supplier to supply within the reasonable period of time as decided by the purchaser, the purchaser reserves the right to procure the materials from other agency / agencies at your risk and cost as per the order on `Risk Purchase' basis and shall be recovered the extra cost thereof, if incurred on the supplier.
- q) Arbitration:
All questions, disputes or difference whatsoever shall arise between the purchaser and the supplier 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 sole Arbitrator who shall be the Managing Director shall have the right and authority to appoint any Officer of the Company as arbitrator not below rank of a General Manager who is not directly connected with the Purchase Order.

- r) Any legal dispute that may arise will be settled within the jurisdiction of courts at Kolkata.
- s) Certifying authority: In-charge of Maintenance (CW & VW) or his nominated authorized representative.
- t) Payment- 100 % payment will be made within 30 days of submission of your bill duly certified by the In-charge of Maintenance or his authorized representative.
- u) Braithwaite, in no case, shall be held responsible for any mishap / accident occurred during the execution of job. All statutory liabilities shall also be borne by the contractor.
- u) No overwriting / correction will be entertained in the Price Bid.

For Braithwaite & Co. Ltd.