



**BRAITHWAITE & CO LIMITED**  
(A Government of India Undertaking)  
**SUBSIDIARY OF BBUNL**

Accredited with Quality Standards

ISO 9001 for Cranes / ISO 9002 for Railway Wagons

HEAD OFF. & REGD. OFF. : 5, HIDE ROAD, CALCUTTA - 43, TEL 2439-7415, 2439-4114, 2439-6613, 2439-7413

E MAIL : [purchase@braithwaiteindia.com](mailto:purchase@braithwaiteindia.com) FAX : 91 (033)2439 7632 / 2439 5607.

Ref: Tender Enquiry No. BWT/PUR/VW/Maint.CAP/DEI/01/07/AKB/2006  
10.05.2007

Dt.

Dear Sirs,

Please quote your most competitive prices for the following repair work at our Victoria Works.

|  |     |
|--|-----|
| Repairing of D.C Welding Power Inverters at Victoria Works | 8   |
| Scope of work is enclosed in Annexure – 'A'                | Nos |

Note :

- 1) The equipment to be dismantled and fitted up with the new spares if required. Party would be allowed to take out some parts, if required, party will provide suitable Indemnity Bond . Amount will be decided by BWT authority/ Mgr Maintenance.
  - 2) All old wornout spares to be returned to General Stores through Maintenance Department.
  - 3) The Equipment has to run on trial for 7 days to check the efficacy of the job done.
  - 4) The certifying authority would be the Dy. Manager (Maintenance)- CW/VW, Braithwaite & Co. Ltd.
  - 5) Joint inspection report is compulsory being attested with techno-commercial bid, without joint inspection report price bid would not be opened.
  - 6) Scopes of work, J.I.R format are enclosed.
  - 7) Labour charge for each item and cost of spares should be provided separately with price bid.
- a) Your quotation should reach us by 23.05 .2007.
- b) Your quotation shall comprise of two parts :
- (i) Part- I : Techno-commercial Bid
  - (ii) Part – II : Price Bid

Both the parts shall be submitted separately in two envelopes and these shall be put in a 3<sup>rd</sup> envelope and all the 3 envelopes shall be superscribed with our Tender Enquiry No. Tender Enquiry No. BWT/PUR/VW/Maint.CAP/DEI/01/07/AKB/2006 dt. 10.05.2007 and due on 23.50.2007.

The quotation will be considered as cancelled if the documents required for Part-I & Part-II are not placed in the respective envelope.

c) 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.

d) Sealed quotations addressed to Manager (Purchase), Braithwaite & Co. Ltd., 5 Hide Road, Kolkata 700043 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 23.05. 2007. The techno-commercial part will be opened on 24.052007 at 2.30 PM. You may present during opening of the tender.

For Braithwaite & Co. Ltd

Note : Rs. 100/- by way of DD/Pay Order in favour of Braithwaite & Co. Ltd – Kolkata should be given alongwith your offer towards the cost of tender documents.

**PART-I :Techno-commercial Part : General Terms & Conditions:**

- 1) EMD : Rs. 1,000/- (Rupees One thousand only) EMD is required to be deposited as Bid Security and to be submitted in the form of DD/Pay Order /Bank Guarantee in favour of Braithwaite & Co. Ltd payable at Kolkata. However, for SSI Units with single point registration with NSIC, payment of EMD can be considered for exemption to the extent of monetary limited granted on submission of valid NSIC registration certificate. Copy of the valid NSIC Registration Certificate should be furnished.
- 1) Security Deposit : @ 10% 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 10 days from the date of receipt of purchase order.
- 2) Performance Guarantee : After completion of the job, 10% of the total order value in the form of DD/Pay Order/Bank Guarantee to be submitted duly valid till completion of guarantee/warranty period. However, security deposit may be converted to Performance Bank Guarantee.
- 3) Payment : 100% payment against Proforma Invoice. Cheque would be handed over after successful completion of job. The bill will be certified by Dy. Mgr. (Maint.) – CW/VW for payment.
- 4) Validity : Offer should remain valid for a period of 90 days from the date of opening of techno-commercial offer.
- 5) Quoted rate should remain firm till completion of the job and price variation shall not be entertained.
- 6) Price should be quoted both in figures and words and your quotation must be free from any kind of overwriting, alteration and correction.
- 7) BWT shall reserve the right to increase or decrease the ordered quantity at the same rate and terms.
- 8) BWT shall reserve the right to split up the tendered quantity.
- 9) BWT shall reserve the right to accept or reject the tender partly or fully without assigning any reason.
- 10) Liquidated Damages : In the event of failure to complete the job within the stipulated date, BWT reserves the right to recover a sum of 0.5% for every week or part thereof by way of LD subject to maximum limit of 10% of the ordered value.
- 11) Risk Purchase : In the event of your failure to complete the job, BWT reserves the right to procure the items mentioned in our purchase order from alternative sources on Risk Purchase Basis and recover the extra cost thereof, if incurred, from you.
- 12) Arbitration : Any dispute or difference whatsoever, arising between the parties and the purchaser out of relating to the construction, meaning, scope, operation or effect of the contract or validity or the breach thereof shall be settled by arbitration in accordance with the Rules of Arbitration in pursuance thereof shall be binding on the contractor.

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13) Guarantee : The job shall be guaranteed for a period of 6 months from the date of completion or 12 months from the date of commissioning.

14) Delivery/Completion period : Within 2 months from the date of receipt of Purchase Order.

**PART – II: PRICE BID**

- 1) The rate will remain firm till completion of supply.
- 2) The rate to be quoted both in figures and words.
- 3) Overwriting in price figure of the quotation will be rejected.
- 4) The bidder shall submit rate in the following format.

| Description of items                                       | Qty    | Unit Rate (Rs.) | Total (Rs.) |
|--|--------|-----------------|-------------|
| Repairing of D.C Welding Power Inverters at Victoria Works | 8 Nos. |                 |             |

For Braithwaite & Co. Ltd.,

**Annexure – A: Scope of Work**

- 1) The welding inverters should be repaired in totality, including the Digital display board and all internal circuitry to make it suitable for welding of 3.15 mm, 4 mm and 5 mm dia electrodes (normal and low hydrogen) and then commissioned.
- 2) The whole body should be painted afresh with golden yellow paint (preferably to be spray paint coated) and the respective plant nos. are to be written neatly on the machine with black paint along with serial no. of the machine. The plant nos. would be provided by BWT authority (as in Sl. No.I mentioned)
- 3) Joint Inspection – Joint Inspection is compulsory before awarding the P.O. and Joint Inspection Report (J.I.R.) in the following format have to be submitted by the party along with the Techno-Commercial bid, otherwise price bid would not be opened at all.

**J.I.R.**

| Sl.  | Observations   | Yes | No. | Remarks |
|------|--|-----|-----|---------|
| i)   | Machines (please mention plant no.) inspected and found in non-functioning condition (under breakdown) and need repair to put it back to working condition |     |     |         |
| ii)  | No current technical output  |     |     |         |
| iii) | No logistics working   |     |     |         |

- iv) Declaration – I / we have been shown and explained all the parameter of the job and we are submitting our quotation being fully aware of the parameters of the job.

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 -----  
 Signature of BWT authority & date  
 date

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 -----  
 Signature of party &

**Annexure – D: List of Probable Spares**

**List of following spares required to repair Inverter Rectifier Welding machine at Victoria Works**

**(1) Plant No. – VW-390, Sl. No. 550-002-9177**

- (a) OKC – 01 No.
- (b) Output Diode – 08 Nos.
- (c) Bridge rectifier – 02 Nos.
- (d) Resistance 5 Ohm, 5 W – 03 Nos.
- (e) Repair of MOSFET PCB – 03 Nos.
- (f) Repair of Control PCB – 01 No.
- (g) Repair of Display Unit – 01 No

**(2) Plant No. – VW-385, Sl. No. 550-015-2670**

- (a) Output Diode – 06 Nos.
- (b) Bridge rectifier – 02 Nos.
- (c) Resistance 5 Ohm, 5 W – 03 Nos.
- (e) Repair of MOSFET PCB – 02 Nos.
- (f) Repair of Display Unit – 01 No
- (g) Main Contactor – 01 No.

**(3) Plant No. – VW-389 Sl. No. 550-020-3787**

- (a) Output Diode – 06 Nos.
- (b) Bridge rectifier – 02 Nos.
- (c) Repair of MOSFET PCB – 01 Nos.
- (d) Repair of Display Unit – 01 No
- (e) Main Contactor – 01 No.
- (f) Repair of control PCB – 01 No.
- (g) OKC – 02 Nos.

**(4) Plant No. – VW-386 Sl. No. 550-020-3786**

- (a) Output Diode – 04 Nos.
- (b) Bridge rectifier – 02 Nos.
- (c) Repair of MOSFET PCB – 01 No.
- (d) Repair of Display Unit – 01 No
- (e) OKC – 01 No.
- (f) Busbar – 01 No.

**(5) Plant No. – VW-383 Sl. No. 550-020-3789**

- (a) Output Diode – 08 Nos.
- (b) Bridge rectifier – 02 Nos.
- (c) Repair of MOSFET PCB – 03 Nos.
- (d) Repair of display unit – 01 No
- (e) OKC – 02 Nos.
- (f) Busbar – 01 No.
- (g) Repair of control PCB – 01 No.

**(6) Plant No. – VW-381 SI. No. 550-020-3783**

- (a) Output Diode – 04 Nos.**
- (b) Bridge rectifier – 02 Nos.**
- (c) Repair of MOSFET PCB – 04 Nos.**
- (d) Repair of Display Unit – 01 No**
- (e) Main Contactor – 01 No.**
- (f) Repair of control PCB – 01 No.**
- (g) OKC – 02 Nos.**
- (h) On / Off switch – 01 No.**
- (i) Resistance 5 Ohms, 5 W – 03 Nos.**

**(7) Plant No. – VW-387 SI. No. 550-020-3785**

- (a) Output Diode – 03 Nos.**
- (b) Bridge rectifier – 02 Nos.**
- (c) Repair of MOSFET PCB – 04 Nos.**
- (d) Repair of display unit – 01 No**
- (e) Main Contactor – 01 No.**
- (f) Repair of control PCB – 01 No.**
- (g) OKC – 02 Nos.**
- (h) Resistance 5 Ohms, 5 W – 03 Nos.**
- (i) Resistance 10 Ohms, 10 W– 02 Nos.**

**(8) Plant No. – VW-388 SI. No. 550-020-3791**

- (a) Output Diode – 06 Nos.**
- (b) Bridge rectifier – 02 Nos.**
- (c) Repair of MOSFET PCB – 04 Nos.**
- (d) Main Contactor – 01 No.**
- (e) OKC – 02 Nos.**
- (f) Resistance 5 Ohms, 5 W – 03 Nos.**
- (g) Main Switch – 01 No.**
- (h) 9 pin socket, Male/female – 01 No.**
- (i) On/Off Switch – 01 No.**
- (j) Busbar – 01 No.**