



BRAITHWAITE & CO LIMITED

(A Government of India Undertaking)

SUBSIDIARY OF BBUNL

Accredited with Quality Standards

ISO 9001 for Cranes / ISO 9002 for Railway Wagons

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Ref: Tender Enquiry No. BWT/PUR/CORP/PYRAMID/NPG 2006

Dt 03.07 .2006

Dear Sirs,

Please quote your prices for the following articles, including packing and free delivery to our Works:

Scope of Work :

| | |
|---|-------------|
| Repairing and Renovation of Pyramid Rolling Machine at BWT – Victoria Works – Plant No. VW-30. | Qty – 1 No. |
| The detailed scope of work alongwith drawings mentioned in Annexure-I. | |

- A) Your quotation should reach us by 15.07.2006.
- 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 3rd envelope and all the 3 envelopes shall be superscribed with our Tender Enquiry No BWT/PUR/CORP/PYRAMID /NPG 2006 dated 03.07.2006. Due on 15.07.2006.

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

D) 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.

E) Sealed quotations addressed to Sr. Manager (Capital Projects), 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 15.07. 2006. The techno-commercial part will be opened on 17.07.2006 at 3.00 PM. You may present during opening of the tender.

For Braithwaite & Co. Ltd

Assistant Manager (Purchase)

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

Annexure-I – Detailed Scope of Work along with drawings
(Direction – West to East)

1. West side roller supporting column. – (A)
 - a. Repair of screw jack (A₁) – Thread dressing after build up by welding etc. to match square thread of G.M bush (Item No. 23/1) inside the bore of worm wheel- Dimension of Item No. 23/1 – 214 OD x 140 bore x 175 mm lg.
 - b. Horizontal boring of body frame and fitting of G.M bush – Boring of support column to suit G.M bush (2 Nos.) of finish size – 184.15 mm OD x 158.75 mm ID x 381 mm lg. (7¹/₄" OD x 6¹/₄" ID x 15" lg) – 2 Nos. – 12.7 mm (½") pitch square thread inside bore. Drg. No. A-(W/B/6).
 - c. Machining of sliding face for sliding support block (top roller) and fitting with G.M plate (2 Nos.) after drilling tapping etc. using grub screws – Size of G.M plates (Item No.W 1/1 and W 1/2). Size – (½" th x 9" lg. x 255 mm wide) 12.7 mm th. x 228.6 mm lg. x 255 mm wide. Drg. No. W/1/1 & W/1/2.
 - d. Repair to worm (single start / pitch – 1¹/₂") after welding and matching with worm wheel. (Material analysis to be done by party prior to welding and chemical analysis report to be submitted to BWT during operation).
 - e. Repair to worm & worm wheel (Item No.22)
 - i) Repair to worm wheel – (40T x ½" pitch) – 40 T worm wheel teeth to be welded and teeth to be hobbled to suit with worm. The repair of worm wheel should suit worm(d).
 - ii) G.M Bush for worm – 2 Nos. Size-69.85 mm x 58.3 mm x 76.2 mm (2³/₄" x 58.3 mm x 3"). Item No. – W/23/1 & W/23/2 to be made new.
 - f. Size of G.M bush (2 Nos.) for A (upper part) to suit machined dia of roller journal (2 Nos.) – 184.15 mm OD x 158.75 mm bore x 254 mm lg. (7¹/₄" OD x 6¹/₄" bore x 10" lg.) – 2 Nos. to suit turned dia of btm. rolls (Item No. 2) west side. Drg. No. 2.
 - g. Bush for worm – Item No. W/7/1 & W/7/2 – 76.2 mm OD x 57.15 mm bore x 133.35 mm lg. (3" OD x 2¼" bore x 5¼" lg) – 2 (Item No.7)
Note: (one bush in two halves) – to be made new and fitted up.
2. Rollers: -
 - a. Top forming roll – Item No. 1 – top diameter to be m/cd / scrolled, metallised and then turned and finished to 403.225 mm (15⁷/₈") dia throughout the length and one side journal (West) to be m/cd to 175.3 mm dia x length – 6273 mm. Drg. No. A₁.
 - b. Btm. rolls – 2 Nos. – Item No. 2 – OD to be scrolled, metallised and finished to 352.425 mm (13⁷/₈") through turning and grinding. Drg. No. A₁B.
Length of each btm. roller – (15'-1") – 4597.4 mm = 4.5974 m lg.
 - c. Repair to btm. roller supporting bkt.
 - i) – Item 20. G.M. Bush – 2 Nos. Size – 76.2 mm OD x 63.5 mm bore x 139.7 mm lg. (3" x 2½" x 5½" lg) – to be made new and fitted up. Drg. No. 8.
 - ii) Bore of above bkt. bore to be re-machined to suit the 2 Nos. of G.M bush as stated above.
3. East side roller supporting column-B
 - a. Repair to screw jack (B₁) – Dressing of thread after build-up by welding etc. to match square thread of G.M bush (Item No. 23/1) inside the bore of worm wheel. Dimension of Item No. 23/1 – 214 mm x 140 mm bore x 175 mm lg. to be made new and fitted up.
 - b. Horizontal boring of body frame and fitting of G.M bush – Boring of support column to suit G.M bush (2 Nos.) of finish size – 160 mm OD x 150 mm ID x 250 mm lg. x ½" pitch square thread inside bore E/B/7.
 - c. Repair to worm – single start – pitch- 1½" – weld, build-up, machine to suit worm wheel Item No. 23.

- d. 2 Nos. G.M bush to be made new size – 184.15 mm OD x 158.75 mm bore x 381 mm lg. (7¼" OD x 6¼" bore x 15" lg) to suit m/cd dia of btm. roller journal (Item No. 2) – East side. Drg No. E/2.
 - e. New gland bush (G.M) for worm shaft – Item No. E 23/1 – 69.85 mm OD x 58.3 mm bore x 76.2 mm lg. (2¾" OD x 58.3 mm bore x 3" lg.) – 2 Nos. Drg No. E/23/1.
 - f. New G.M bush for upper part of B to suit m/cd journal of btm. rollers – Item No. W/B/6 & W/B/7 - 2 Nos. – 69.85 mm OD x 158.75 mm bore x 571.5 mm lg. (7¼" OD x 6¼" bore x 22½" lg.). Drg. No. W/B/6 & W/B/7.
 - g. Repair to worm holding bkt. Item No. 4 – 1 No. of top cover to be replaced with a new one. Drg. No. 4.
4. East side (Motor side) – Train of gears: -
- a.
 - i) Bull gear bush – 67 teeth x 177.8 mm face x 1168.4 mm dia x 1.5 D.P – Item No. E-26. Size of bush - 122 OD x 114 bore x 265 lg. – One – Item No. E-26.
 - ii) 15 T pinion – 1 No. – 88.9 mm face x 1.25 DP x 13.6 OD – One teeth to be repaired after welding build up and machining of teeth – Item No. E-26.
 - b. Roller pinions (2 Nos.) for btm. roller – 25 teeth x 158.75 mm face x 546.1 mm dia x 1.25 D.P – fitting with btm. roller with new key. – Item No. E-27.
 - c.
 - i) Item No. E-28 pinion – 126 teeth x 152.4 mm face x 1320.8 mm OD x 2.5 D.P. to be dressed and fitted up.
 - ii) Pinion Item No. E-28 – 14 teeth x 177.8 mm face x 317.5 mm dia x 1.25 D.P. – Item No. E-28 [integral with (i)].
 - d. Brake drum shaft with pinion – Item No. E-29 – 21 teeth x 1.25 D.P x 467.36 mm face to be dressed and fitted up with bkt. Item No. E-29.
 - e. Motor pinion – Item No. 30 - 47 teeth x 101.6 mm face x 406.4 mm dia x 1.25 D.P. – Shaft to be dressed and new key way and key to be made.

Terms & Conditions

BWT – Braithwaite

Party – the would be contractor

- 1) The party would be responsible to bear all transportation cost to and fro to take out / bring back any material.
- 2) B.G / Indemnity bond of suitable amount has to be furnished by the party to take out any material from workshop.
- 3) One year performance guarantee for the m/c in assembled condition after delivery has to be ensured by the party.
- 4) Fitting of knocked-out components after necessary rectification will be basically BWT's responsibility, but, if it so happens, that due to faulty machining going away from the drawing, the party would have to help BWT for assembling job.
- 5) Chemical analysis of boring done during machining would be party's responsibility.
- 6) Joint inspection
 - a. Joint inspection before submission of tender offer is compulsory and without JIR (Joint Inspection Report), the price bid would not open at all.
 - b. Joint Inspection Format – Joint inspection report in the following format has to be submitted compulsory by the parties along with Techno-commercial bid, otherwise price bid would not be opened at all.

Contd...3

J.I.R format

| Sl. No. | Drawing No. | Components Checked | | | Remarks |
|---------|-------------|--------------------|--------|--------------------|---------|
| | | OK | Not OK | Observation if any | |
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |

Signature
Party & Date

Signature BWT
authority & Date

Declaration – All the parameters of the job along with drawing were explained to me/us, during joint inspection and we are submitting our quotation being fully aware of the jobs involved.

Signature
Party & Date

Signature BWT
authority & Date

- 7) Responsibility: - Party – All tools and tackles K.Oil, Old cloth, nuts and bolts required for the fitting.
BWT – Space, Air, Electricity machining facility (no operator).

For any other clarification, please contact maintenance department.

Tender Enquiry No. BWT/PUR/CORP/PYRAMID/NPG 2006

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

- 1) EMD : Rs. 1000/- (Rupees one Thousand only) : EMD is required to be deposited as Bid Security and to be submitted in the form of DD/Pay Order 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.
Credentials : The party should submit copy Sales Tax Clearance Certificate and should submit copies of purchase orders for the similar type of job done.
- 2) 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.
- 3) 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.
- 4) Payment : 80% after completion of job.
10% after commissioning
10% after handing over of Pyramid Rolling Machine and submission of performance bank guarantee.
- 5) Validity : Offer should remain valid for a period of 90 days from the date of opening of techno-commercial offer.
- 6) Quoted rate should remain firm till completion of the supply and price variation shall not be entertained.
- 7) Price should be quoted both in figures and words and your quotation must be free from any kind of overwriting, alteration and correction.
- 8) BWT shall reserve the right to increase or decrease the ordered quantity at the same rate and terms.
- 9) BWT shall reserve the right to split up the tendered quantity.
- 10) BWT shall reserve the right to accept or reject the tender partly or fully without assigning any reason.
- 11) Liquidated Damages : In the event of failure to supply the materials within the stipulated delivery 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.
- 12) Risk Purchase : In the event of your failure to supply the materials 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.
- 13) 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.
- 14) Guarantee : The materials shall be guaranteed for a period of 12 months from the date of commissioning.

- 15) Delivery : Within 30 days from the date of receipt of Purchase Order.
- 16) The party would be responsible to bear all transportation cost to and fro to take out/bring back any materialo.
- 17) Joint Inspection before submission of offer is compulsory and without JIR, the offer will not be acceptable. Joint Inspection Report should be attached alongwith the techno-commercial offer.
- 18) Loading & Unloading of Materials from the transport during delivery of the materials will be responsibility of the vendor.

An unconditional acceptance of commercial terms & conditions stipulated above of this tender enquiry is to be given along with the offer.

PART – II: PRICE BID

- 19) The rate will remain firm till completion of supply.
- 20) The rate to be quoted both in figures and words.
- 21) Overwriting in price figure of the quotation will be rejected.
- 22) The bidder shall submit rate in the following format.

| SI No. | Description of item | Quantity | Amount (Rs.) |
|--------|---|----------|--------------|
| 01 | Repairing & Renovation of Pyramid Rolling Machine | 1 No. | |
| | Taxes & duties, if any. | | |

For Braithwaite & Co. Ltd.,

Assistant Manager (Pur)