

TENDER DOCUMENT

BWT/PUR/Girder/07

Fabrication of welded and riveted steel plate girders of varying span length.

C O N T E N T S

1. Notice Inviting Tender - Annexure – I
2. General Procedure - Annexure – II
3. General Conditions - Annexure – III
4. Scope of Work - Annexure – IV
5. Quality Assurance Plan - Annexure – V
6. Bank Guarantee Format - Annexure – VI

BRAITHWAITE & CO. LIMITED

Annexure-`I`

NOTICE INVITING TENDER NO. BWT/PUR/Girder/07

Sealed Tenders are invited from resourceful contractors for structural fabrication at Clive & Victoria Works of the Company.

Fabrication of 500MT Welded Plate Girder of varying span length. Quantity likely to be increased.

Tender documents will be available from the office of Sr. Manager (Purchase), Braithwaite & Co. Ltd., Clive works 5 Hide Road, Kolkata – 700 043 in any working days except Sunday & Holidays on submission of DD/Pay Order Rs.300/- (non-refundable) for each tender in favour of Braithwaite & Co. Ltd., payable at Kolkata.

Last date of sale and submission of tender is 15 days from the date of publication of this tender. For detail please visit our website: www.braithwaiteindia.com

Sr. Manager (Purchase)

BRAITHWAITE & CO. LIMITED

Annexure-`II`

Tender Enquiry No. BWT/PUR/Girder/07 dated 14.06.2005

Fabrication of welded and riveted steel plate girders of varying span length.

GENERAL PROCEDURE OF OFFER SUBMISSION

Offers are to be submitted in sealed envelope super scribing Enquiry No. and due date in the following manner :

1. Part-I - Credential Bid
2. Part-II - Techno-Commercial Bid
3. Part-III- Price Bid

All the three parts shall be inserted separately in 3 envelopes and these shall be put in 4th envelope. All the four envelopes shall be super-scribed with our Enquiry Number specifying relevant job and Due Date.

Sealed tender addressed to Sr. Manager (Purchase), Braithwaite & Co. Ltd., 5 Hide Road, Kolkata-700 043, may be dropped in our Tender Box No.5 (in case of Hand Delivery) or may be sent by Registered Post but must reach us positively within 29.06.2005 by 3.00 PM.

The Part-I & Part-II bids shall be opened on 01.07.2005 at 11.00 AM. Part-III i.e., Price Bids of technically acceptable bidders only shall be opened later, after evaluation of Part-I & Part-II bids for which, time and date of opening will be intimated to the technically acceptable bidders.

BRAITHWAITE & CO. LIMITED

Annexure-`III`

Tender Enquiry No. BWT/PUR/Girder/07 dated 14.06.2005

Fabrication of welded and riveted steel plate girders of varying span length.

GENERAL CONDITIONS OF TENDER

Part - I : Credential Bid

Tenderers should submit all papers related to their credential i.e. proof of past performance regarding execution of similar job of not less 500 MT, adherence to Delivery Schedule, Audited Balance Sheet for last three (3) years, Trade license, etc.

Part - II : Techno-Commercial Bid

1. Earnest Money Deposit -

Earnest Money Deposit (EMD) is required to be submitted by Demand Draft/Pay Order/Bid Bond in the form of Bank Guarantee in favour of Braithwaite & Co. Limited, for an amount of Rs.20,000/- only.

In case of Bid Bond the validity period should be 90 days initially. However, for SSI Units with single point registration with NSIC, payment of EMD/Security Deposit can be considered for exemption to the extent of monetary limit granted on submission of valid NSIC registration certificate for the items tendered.

EMD Bid Bond will be forfeited or revoked if the tender is withdrawn and/or if the price is escalated later within the validity of the tender. For the Tenderers claiming exemption from EMD on account of their single point registration with NSIC, their cases may be referred to the concerned Ministry for taking appropriate action in the event of violation of tender conditions.

EMD shall be returned to unsuccessful bidder only after finalization of contract

No offer will be considered without EMD.

2. Security Deposit :

The successful bidder will have to furnish a Security Deposit of 10% of the contract value in the form of a Bank Guarantee (Format enclosed) within 15 (fifteen) days of receipt of order. This B.G. will remain valid till the end of Warranty/Guarantee period.

3. Offer should remain valid for 120 days from the date of opening of the tender.

4. All corrections (if any), must be signed at the appropriate place by the signatory of the bidder, otherwise tender will be invalidated.

Contd...p/2

5. Quantity of items may vary depending on our requirement.
6. **Payment** - Payment will be released within 30 days of receipt of bill duly certified by competent authority.
7. **Guarantee** - The job shall be guaranteed for a period of 12 months from the date of acceptance against any defective workmanship.
8. **Liquidated Damages** - In the event of failure on the part of the Contractor 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 maximum limit of 10% of the ordered value.
9. **Risk Purchase** - In the event of failure on the part of the contractor to complete the job within the reasonable period of time as decided by the purchaser, the purchaser reserves the right to get the job done by other agency/agencies as per the order on Risk Purchase basis and shall recover the extra cost thereof, if incurred from the contractor.
10. **Arbitration** - Any dispute and difference, whatsoever, arising between the Contractor out of or 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 of the Indian Council of Arbitration and the award made in pursuance thereof shall be binding on the contractor.
11. Any legal dispute that may arise, will be settled within the Jurisdiction of Court of Kolkata.
12. The bidders should submit the details of manpower to be engaged category wise.
13. The bidders may study the related drawings on any working day except Wednesday in the Drawing Office at our Clive Works and may contact Sr. Manager (DDO & QA) for the same.
14. Alteration/inclusion/deviation will not be allowed once the bid is submitted
15. The contractor shall maintain register of receipt and issue of all free issue materials. Material reconciliation statement for free issue materials shall be prepared and submitted by the contractor.
16. The job cannot be subcontracted by the contractor wholly/partially without the permission of Braithwaite.
17. Braithwaite reserves the right to terminate the contract/order by giving 7 days notice at any point of time.
18. In case of any damage done to materials of Braithwaite by Contractor's people during execution of work, it will be a binding to the contractor to compensate Braithwaite for the damage done and amount of compensation will be decided by Braithwaite.

- 19. Quantity variation** - Braithwaite reserve the right to split up the tendered quantity within more than one bidder without assigning any reason. Quantity as stated in the tender may vary to the extent of +/- 30% as per discretion of Braithwaite.
- 20.** Canteen facilities will not be provided by Braithwaite & Co. Limited. Arrangement of Meals and Tiffin, if any, for contractor's employees will have to be made by the contractor from outside at his cost.
- 21.** The employees of the contractor should follow all the instructions given to their authorized representative while doing job at the works of Braithwaite & Co. Ltd.
- 22.** The Contractor's workmen should be covered by proper insurance against any injury/accident and or death. Braithwaite will not be responsible on this account under any circumstances. In case of coverage by ESI or Group Insurance, documentary evidence must be produced before taking up the work. The contractor shall observe all safety rules and regulations as per requirement of the particular nature of work.
- 23.** The Contractor will fulfill statutory obligations as under :
 - a) Contract Labour (Regulation & Abolition) Act, 1970
 - b) Contract Labour (Regulation & Abolition) Rules, 1970
 - c) E.S.I. Act Scheme.
 - d) Minimum wages Act & Rules as fixed by Govt. time to time.
 - e) P.F.Act, 1952, Pension Act and allied scheme.
 - f) Payment of Bonus Act.
 - g) To contribute as per Provident Act, 1952, E.S.I Scheme Act and Scheme & Minimum Wage Act & Rules as fixed by Govt. time to time.
- 24.** The Contractor shall have to comply with all statutory responsibilities in regard to the Contract Labour (Regulation & Abolition) Act, Employees' Provident Fund Act, ESI Act & Bonus Act. If the Contractor does not have P.F.Code No. with RPFC, 20.69% on labour charges will be deducted from the Contractor's bill as 10% deduction towards contribution of workmen and 10.69% towards Contractor's contribution.

The responsibilities of contractor under the Contract Labour (R&A) Act & Central Rules therein is appended.
- 25.** Appropriate Government in respect of establishment is the Central Government i.e. Office of the Regional Labour Commissioner (Central) at Nizam Palace, Calcutta.
- 26.** A Contractor, who engages twenty or more workmen as aforesaid is to obtain License under the said Act for which he may consult Personnel Department.
- 27.** A Contractor is responsible for payment of wages to his Contract Labour which shall be paid in due time, payment should be made in presence of the representatives of the principal Employer i.e. the Company.
- 28.** The Contractor should issue Notice of Payment, Register of wages, Master Roll, etc. in Prescribed Format.

: 4 :

29. The contractor is responsible for payment of final settlement to the Contract Labour in the event of termination/retrenchment.
30. The Contractor shall pay at least minimum wages for different categories as prescribed by the Government from time to time.
31. Every Contractor shall maintain the Register of persons employed in Form III.
32. Every Contractor shall maintain a Master Roll in Form XVI and a Register of Wages in form XVIII. Register of Overtime in Form XXIII and Register of Deduction in Form XX and form XXI and Register of advance in Form XXII.
All those Registers must be available at sites and subject to inspection at any time by the Company as well as Government authorities.
33. The Contractor shall issue wage slip in Form XIX and issue Notices of Payment, prior to every disbursement.
34. The Contractor shall issue Notices, showing the rates of wages, hours of work, wage period, date of payment of wages, name, designation and address of the inspector having jurisdiction, date of payment unpaid wages. He should forward a copy of the Inspector under the Act as well as to the company. He should also furnish other Statutory Notices.
35. The Contractor should declare that they would be complying with the provisions & statutory requirement of Contract Labour (Regulation & Abolition) Act. if not submitted earlier.
36. Unconditional acceptance of the terms and conditions as mentioned above should be given by the Tenderer along with offer.

Part-III (Price Bid):

- i) Quoted rate in the offer should be taking into account all the points mentioned in the tender document.
- ii) Rate shall be quoted on per ton basis.
- iii) Rate shall be mentioned in figure as well as in words.
- iv) Quoted rate shall be firm till completion of the contract / order.
- v) Price Bid (Part-III) shall be opened only if, Part-I & Part-II are qualified.
- vi) The schedule of prices shall be as given below :

Sl.No	Description	Quantity	Unit	Unit Price (Rs.)	Total Price (Rs.)
1)	Fabrication, trial assembly, wherever necessary, including application of 2 coats of primer paint with necessary surface preparation, testing, inspection and loading of the same for delivery to site.	500.000 (approx)	M/T		

Fabrication tonnage will be calculated based on material list.

BRAITHWAITE & CO. LIMITED

Annexure-IV'

Tender Enquiry No. BWT/PUR/Girder/07 dated 14.06.2005

Fabrication of welded and riveted steel plate girders of varying span length.

SCOPE OF WORK

Fabrication of Welded and Riveted Plate Girders of 500 MT (Quantity likely to be increased) for various division of Eastern Railway. The scope of work includes :

- a) Unloading and receiving of raw steel accompanied with Bills, original T.C. at Braithwaite's works.
- b) Fabrication, Testing and Inspection of the fabricated structures by Inspection agency/RDSO. Apart from fabrication, surface preparation by manual wire brushing, followed by application of two coats of prima, shot/sand blasting of top flange of the girder to be carried out. The girder component will be marked suitably as per approved drawing.
- c) Loading of the fabricated steel work for delivery to site.

All testing charges as required by RDSO/inspection agency to be borne by contractor. Approved QAP & WPS to be followed.

Trial assembly of 1 span of each type shall have to be carried out by contractor and get it passed by RDSO.

CONTRACTOR'S RESPONSIBILITIES

- 1) Fabrication shall be done as per approved drawings issued to the contractor, approved QAP and specification.
- 2) Contractor would be responsible for necessary traceability of raw steel inclusive of colour coding. Raw steel testing, as required by RDSO, is contractor's responsibility.
- 3) All necessary templates/jigs fixtures, manipulator for assembly, welding and drilling works in connection with fabrication of above structures are to be made by the contractor.
- 4) All necessary tools & plants & temporary fasteners for execution of above job are to be provided by the contractor mainly welding, gas cutting, marking, drilling, chipping, grinding machining and sand blasting etc. which also includes necessary accessories for gas cutting, drilling, machining, grinding, chipping etc.
- 5) The contractor would be responsible to fabricate above structures commencing from trace ability of steel and preparatory work of material viz. cut to size, edge preparation, machining, pre-setting, bending, smithy work, welding, drilling, riveting, etc., wherever required to make it ready for onward dispatch after necessary surface preparation, sand / shot blasting and painting work.
- 6) Acetylene/L.P.G. Cylinders for cutting work, necessary for the fabrication work are to be arranged by the contractor.

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- 7) All categories of sufficient labours for execution of above jobs are to be engaged by the contractor inclusive of operators for E.O.T. crane, radial drill machine, milling, planing, shearing, sub-merged arc welding, pug cutting machine etc.
- 8) Contractor would be responsible to engage technically sound and experienced supervisor in sufficient numbers for this fabrication work. Separate supervisor would also be provided for exclusively welding and riveting job.
- 9) E.O.T. crane slingers for handling the materials inclusive of dispatch of finished structures are to be arranged by the contractor.
- 10) Stenciling/lettering inclusive of hard punching wherever necessary for erection mark would be in the contractor's scope. Necessary paint for writing on finished structures is to be supplied by the contractor. Each fabricated member whether assembled or not assembled shall bear an erection mark as mentioned in drawing before dispatch.
- 11) Contractor is to bring his own sand / shot blasting equipment with necessary sand / shot and skilled personnel for this blasting work. However, a separate closed shed would be available to the contractor at free of cost. All necessary tools required for surface preparation and painting is to be arranged by the contractor.
- 12) Welding work shall be done as per I.S. 816 (1969) & I.S. 9595 (1980) Only Automatic sub-merged arc welding will be used in fabrication work or metal inert gas welding (Co₂) may be done for short length where access to the location of the weld does not permit sub-merged arc welding subject to approval of inspection agency.
- 13) All contact surfaces which will be inaccessible after field assembly shall receive the full specified protective treatment before assembly.

Surfaces which can not be painted but require protection shall be given a rust inhibitive grease conforming to I.S. 958-1975 or solvent deposited compound conforming to I.S. 1153 (1975) or I.S. 1674 (1960) or treated as specified in the drawing. Necessary compound is to be arranged by the contractor at his cost.
- 14) Place of fabrication fully/partly/in partial stage (either in Clive/Victoria/Angus works) and necessary working hours shall be decided by Braithwaite Management in consultation with the contractor for which no additional expenses would be borne by Braithwaite.
- 15) Maintenance and to attend breakdown of major plants viz. welding machine, radial drill machine, milling machine (Shearing), (Edge planing) machine, SAW m/c, EOT Crane etc. given on loan to the contractor for the above job except compressor would be in the scope of contractor.

For maintenance, the methodology given below is to be followed:

- a) Maintenance is the sole responsibility of the contractor.
- b) Replacement of spares costing less than Rs. 500/- is to be borne by the contractor.

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- c) In the case of replacement of spares costing more than Rs. 500/-, a joint committee consisting BWT's maintenance personnel and contractor will enquire the cause and extent of the breakdown and decision will be taken based on their report.
- 16) All statutory obligations for execution of above job inside workshop premises are to be maintained by the contractor at his cost.
- 17) Contractor would also be responsible for any other terms which seems to be necessary for execution of this job and are neither mentioned above nor in the scope of Braithwaite's responsibilities.
- 18) Though steel would be supplied to the contractor freely as per material list but if any unequal angles/full length steel section can not be supplied for its non-availability, contractor may be required to fabricate the same after modification either from equal angles or by splicing to compensate the full length section at his cost. However, necessary consumable for the same would be supplied freely.
- 19) Contractor at his cost may be required to do the minor rectification work during execution of job for drawing modification/mistake/or as required by the inspection agency.
- 20) Contractor would be required to submit the production planning in line with delivery schedule and get it approved by Braithwaite's Management, which are to be strictly adhered to and to be evaluated on every fortnight.
- 21) Contractor would also be responsible for complete trial assembly of 1 span for each type of girder inside fabrication shop and get it passed by the inspection agency. All necessary service bolts and drifts are to be arranged by the contractor. Trial assembly of part members, if required by the inspection agency at the fabrication stage, shall have to be done by the contractor.
- 22) Any other detail clarification regarding drawing / specification for the job, if required, contractor may contact our drawing office in-charge prior to submission of offer.

BRAITHWAITE'S RESPONSIBILITIES

- 1) One copy each Drawing, material list despatch list etc. shall be issued to the contractor.
- 2) Electricity, compressed air, water, and oxygen gas in line/cylinder would be available for fabrication work.
- 3) All raw-steel as per material list would be available to the contractor. Braithwaite will also issue raw-steel for making templates, jig-fixtures and consumable viz. electrodes, gases etc. Necessary bushes are to be supplied by the contractor.
- 4) E.O.T. crane, radial drill, end milling, shearing, edge planing, SAW machine, transformer/generator type welding machine would be available to the contractor for this job in running condition.

- 5) Braithwaite will also supply necessary electrodes, wire and flux, paints etc. for the job at free of cost.
- 6) Braithwaite will arrange for necessary inspection either at stage or after fabricating the structure by the inspection agency in time on receipt of formal offer from the contractor.

INSPECTION :

- 1) The documents required for compliance with the I.S.O 9001:2000 quality system is to be maintained by the contractor.
- 2) Contractor would be necessary to prepare W.P.S. for the job and get it approved from the inspection agency. Contractor is to adhere to the QAP enclosed in Annexure VI.
- 3) Only the contractor for the said job shall engage the qualified welders. All welders shall be required to qualify the performance test in presence of our inspection agency and necessary cost to conduct the testing shall be borne by the contractor.
- 4) All welding shall be done after necessary D.P. testing. The contractor at his cost shall supply D.P. materials. Radiography test shall be conducted by the contractor at his cost for the butt joints/fillet joints as per specification to determine gas inclusion, slag inclusion, shallow weld and cracks.
- 5) The control assembly wherever required by the inspection agency shall be done by the contractor.
- 6) Contractor shall be required to get the structure inspected and passed by the inspection agency. The contractor at his cost shall do any rework, if necessary.
- 7) The contractor at his cost shall do ultrasonic testing if asked by the inspection agency either for raw steel/welding joint of fabricated structure, wherever necessary.

DELIVERY :

To be completed within 3 months from the date of placement of LOI / Purchase Order.

RECONCILIATION :

All the consumable items viz. electrodes, wire and flux, paint and Raw Steels shall be reconciled as per standard norms.

GENERAL :

- 1) The contractor shall be strictly adhered to the delivery schedule of the job. However, the working hours shall be followed after mutually agreed by both Braithwaite & contractor.
- 2) It is expected that the contractor will handle in proper way of our machines given loan to him for the said job.
- 3) The contractor shall be required to collect/return of the materials to our store/steel stock by his own arrangement.