

BRAITHWAITE & CO. LIMITED
(A Govt. of India Undertaking)
ANGUS WORKS

P. O. ANGUS – 712221, DIST. HOOGHLY (W.B.)

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Ref: PUR/TKG/SP-21/10/35

5 February 2010

Due date : 19.02.10.

ENQUIRY

To

M/s.

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Dear Sirs,

Please quote your prices for the following articles in two bids – **Techno-Commercial Bid and Price Bid**. Your quotation should reach us latest by 15:00 hours on 19.02.10 and must remain open for our acceptance for **90 days** from due date of submission of offer. This enquiry (Indent No : SP-21 dtd. 28.01.10) is subject to the following terms and conditions append below which must be read carefully before submitting your offer. **PLEASE SUBMIT YOUR OFFER IN TWO SEPARATE SEALED ENVELOPES FOR TECHNO-COMMERCIAL BID AND PRICE BID. YOUR TECHNO-COMMERCIAL BID SHOULD CONFIRM COMPLIANCE OF OUR TERMS CONDITIONS AND TECHNICAL SPECIFICATION. SINGLE BID OFFER SHALL NOT BE CONSIDERED.**

- i) Delivery required - As per our requirement. ii) EMD - Rs.5,000/- in the form of DD/BG/Pay Order along with Techno-Commercial Bid.
- iii) Inspection by - Braithwaite iv) VAT - As applicable.
- v) Security Deposit - 5% of order value in the form of DD/BG/Pay Order.

Sl. No.	Description of items	Required Quantity
	Calibration of Gauges for following items as per enclosed list and annexure. (Details of Gauges as per enclosed list).	
1.	Bogie	2 sets
2.	Coupler	2 sets
3.	Draft Gear	3 sets

Notes : Terms & Conditions will be as per enclosure.

1. Basic price, ED percentage, VAT percentage, Transportation charges, Insurance charges, Packing and Forwarding charges (if any) to be clearly indicated in your offer separately. Rate is inclusive of ED or VAT etc. will not be acceptable to us.
2. Payment – Within 30 days.
3. Quantity Variation – Quantity may vary (**increased or decreased**) as per our requirement.
4. Quantity may be distributed to more than one vendor as per discretion of Braithwaite.
5. Price will remain firm till completion of full order.
6. Please quote your price both in words and figures.
7. Offers will be opened on 20.02.10 at 2:00 PM at our Purchase Office. You may present during opening.
8. Overwriting in Price Figures of the quotation will be rejected.
9. The bidders who will submit their offer against Web Site and Notice Board has to be submitted '**Credential Bid**' in a separate sealed envelope. Credential bid should be consisted of Trade Licence & IT clearance certificate, Audited Balance Sheet for last 3 years, past experience etc. Credential Bid in addition to Price Bid.

Yours faithfully,
BRAITHWAITE & CO. LIMITED

Scope of work :

1. All the gauges as shown in attached sheet no. QC/B,c,d/10 shall be calibrated as per the laid down Indian International norms applicable to the corresponding gauges.

Calibration certificates for the individual gauges shall be issued by the Contractor stating the following :

- a) Guiding Standard.
 - b) Traceability with the certified equipments having a known valid relationship to Nationally recognized standard.
 - c) Environmental condition during calibration.
2. Gauges submitted for calibration must be clean and in proper working condition.
 3. Calibration work must be completed within 7 days from the date of receipt of the Gauges.
 4. Calibration validity for 1 year from the date of calibration for all gauges.

Other Terms & conditions :

1. Inspection by Braithwaite at the time of delivery.
2. Delivery – Delivery must be made immediate from the date of calibration. The gauges which are required to be taken out to the premises of the contractor for calibration work, shall be delivered to contractor's laboratory as well as to be collected (after due calibration) by BWT.
3. Bill shall be certified by Inspection / QC department.
4. Offer rate should be for individual gauge.
5. Striker to be affixed on each gauge.
6. Offered rate for calibration should be rate at party's laboratory.
7. Indemnity bond for suitable amount against the value of materials to be taken out from Company's premises, should be taken as per norms.

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GAUGE CHECK FOR INDIVIDUAL CASTING

SIDE FRAME :

Sl. no.	Description	Drg. no.
1.	S/F opening vertical ht. 'GO' & 'No-GO' Gauge	WD-98022-S/2
2.	Gauge for S/F opening horizontal GO & No-Go (with or without liners)	WD-98022-S/3
3.	S/F wear plate area flatness checking gauge (with 0.8 mm. filler gauge)	WD-98022-S/3A
4.	Gauge for bolster control lug opg. GO & NOGO	WD-98022-S/4
5.	S/F column side width limit & offset check Gauge	WD-98022-S/5
6.	S/F opg. Horizontal (Bottom) GO & NOGO Gauge	WD-98022-S/6
7.	S/F bottom opg. Vertical profile GO & NOGO Gauge	WD-98022-S/7
8.	Gauge for spring plank & S/F Spring plank seat	WD-98022-S/8
9.	Pedestal jaw lug transvers porofile check gauge	WD-98022-S/9
10.	S/F pedestal opg. Vertical profile check gauge	WD-98022-S/10
11.	S/F pedestal jaw lug transvers profile check gauge	WD-98022-S/11
12.	S/F jaw opg. Horizontal GO & NOGO Gauge	WD-98022-S/12
13.	Pedestal roof to key slot distance limit gauge	WD-98022-13
14.	Pedestal roof to key slot distance limit gauge	WD-98022-13A
15.	Side Frame warp gauge	WX-01093 D
16.	S/F pedestal roof ht. & dims L&M check gauge	WX-01093 E
17.	Side Frame span gauge for pairing	WX-01093 F
18.	Side Frame half span offset gauge	WX-01093 G
19.	Brake beam pocket alignment gauge	WX-01093 H
20.	Brake Beam slot size check gauge	WD-98022-S/20
21.	Brake beam slot nib hole location check gauge	WD-98022-S/21
22.	S/F jaw opening center marking device	WD-98022-S/22
23.	S/F rivet holes location check gauge	WD-98022-S/23
24.	Column locator for S/F rivet hole location gauge	WD-98022-S/24
	BOLSTER	
1.	Limit gauge for lateral lug gap for bogie gauge	WD-97031-S/2
2.	Limit gauge for snubber pocket bogie bolster	WD-97031-S/3
3.	Lug & snubber pocket alignment gauge for bolster	WD-97031-S/4
4.	Gauge for bolster controlling lug GO & NOGO	WD-97031-S/5
5.	Span & Squareness guage & coplanarity gauge for bolster	WX-01093AB

BOGIE :

Sl. no.	Description	Drg. no.
6.	Combined gauge for checking sq. beam lug edge & land surface	WD-97031-S/6A
7.	L-Square of spring seat & S/Bearer of Bolster	WD-97031-S/8
8.	Straight edge complete for Bogie Bolster	WD-97031-S/9
9.	Spring seat gauge for Bogie bolster	WD-97031-S/10
10.	Bolster wedge pocket stope & size check	WD-97031-S/11
11.	Bolster wedge pocket GO gauge	WD-97031-S/12
12.	Bogie Bolster Spigot gauge	WD-97031-S/13
13.	Bolster combined spring seat & S/Bearer seat	WX-01093C-S/14

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Sl. no.	Description	Drg. no.
C	WEDGE	
1	Wedge gauge for R-940 55 90 & location of R-940	WD-97031/S/16
2	Wedge gauge for ht. & location of slope point	WD-97031/S/17
3	Wing profile & R-1500 width over wings & width of wedge	WD-97031/S/18
D	BRAKE BEAM	
1	Brake Beam Gauge	WD-99043-S/1
E	SPRING PLANK	
1	S/Plank length waviness & fit bolt hole location gauge	WD-99032-S/2
2	S/Plank outer profile & flange height check gauge	WD-99032-S/3
3	S/ Plank flange & profile & thickness check gauge	WD-99032-S/4
4	S/Plank rivet hole & fit bolt hole location check gauge	WD-99032-S/5
5	S/Plank spigot size & location check gauge	WD-99032-S/6
F	CENTRE PIVOT	
1	Gauge for center pivot bottom	WD-99033-S/2
2	Gauge for center pivot top.	WD-99033-S/3, SH 1 & 11.

LIST OF GAUGES FOR COUPLER COMPONENTS

Sl. no.	Description	Drg. no.
	ASSEMBLY	
1.	10A Centour Gauge for inspection	WD-84073-S 1 RC
	BODY	
1	Bottom Anti-Creep Vertical Location	S2 RC
2	Bottom Anti-Creep Horizontal Location Gauge	S3 RC
3	Top Anti-Creep Vertical Location Gauge	S4 RC
4	Pivot Plug Gauge	S5 RC
5	Pin Protection Gauge	S6 RC
6	Pulling lug Gauge Knuckle side	S7 RC
7	Pivot Pin Gauge	S8 RC
8	Lock Chamber Minimum Gauge	S9 RC
9	Lock Hole Gauge	S10 RC
10	Rotary Lug Gauge	S11 RC
11	Shank End Pin Hole Gauge	S12 RC
12	Shank Height Gauge	S15 RC
13	Shank butt width Gauge	S17 RC
14	Pin Hole Shank Wall Thickness Gauge	S18 RC
15	But Rear wall Thickness Gauge	S19 RC
16	Pivot Pin Hole Gauge	S20 RC
17	Shank Height with wear Plate Gauge	S21 RC
18	Shank Length Gauge	S22 RC
19	Shank Butt End Contour Gauge	S23 RC
20	Spherical Butt & Pin Hole Gauge	S24 RC
21	Shank Butt Height Gauge	S25 RC
	KNUCKLE	
1	Knuckle Bottom Pulling Lug Gauge	S41 RC
2	Knuckle Movable Point Gauge	S42 RC
3	Knuckle Hub Gauge	S43 RC
4	Knuckle Rail Height Gauge	S44 RC
5	Knuckle Top Pulling Lug Gauge	S45 RC
6	Knuckle Tall Shelf Gauge	S46 RC
7	Knuckle Pin Hole Gauge	S47 RC
8	Knuckle Length Gauge	S48 RC
	LOCK	
1	Lock Centour Gauge Guard Arm Side Gauge	WD-84073 S 56 RC
2	Lock Centour Gauge Knuckle Side	S 57 RC
3	Lock Toggle Hole Gauge	S 58 RC
4	Lock Parallel Slet Gauge	S 59 RC
5	Lock Slot Gauge	S 60 RC
6	Lock Teggle Arm Width Gauge	S 61 RC
	RECEIVER GAUGE	
1	Knuckle through Centour Gauge	S 66 RC
2	Knuckle Thrower Trunion Gauge	S 67 RC
1	Lock Lift Assembly	S 76 RC
2	Composite Gauge for Connector	S 77 RC
3	Composite Gauge for Hook	S 78 RC
4	Composite Gauge for Toggle	S 79 RC
5	Knuckle Pivot Pin gauge	S 96 RC

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Sl. no.	Description	Drg. no.
	YOKE	
1	Plug Gauge (Pivot Pin Hole Gauge)	YOKE 157
2	Gear Pocket Gauge	YOKE158
3	Height Over Strap Gauge	YOKE159
4	Strap Width & Strap Thickness Gauge	YOKE160
5	Head & Rear End Height Gauge	YOKE161
6	Pivot Pin Gauge	YOKE162
7	Head Width Gauge	YOKE163
8	Yoke Head Opening Gauge	YOKE164
	STRIKER CASTING	YOKE 165
1	Length Checking Gauge	STR 166
2	Height & Width Gauge	STR 167
3	Front Opening Height Gauge	STR 168
4	Thickness Gauge	STR 169
5	Width Gauge	STR 170
	YOKE PIN SUPPORT	
1	Hole Center with Boundary Gauge	YPS 172
2	Thickness Gauge of Flange	YPS 173

LIST OF GAUGES FOR DRAFT GEAR COMPONENTS

Sl. no.	Description	Drg. no.
	DRAFT GEAR HOUSING	
1	Housing Box Gauge	27200-C
2	Housing Bore dia gauge	27202-D
3	Housing Bore dia gauge at 4.75" from Top	27203-B
4	Wedge to Housing Lug clearance gauge	27209-D
5	Housing length gauge	27244-B
6	Housing width gauge	27292-B
7	Housing Dim over Hex flats gauge	27704-C
8	Inside Housing Width gauge 7.50" Dim.	27761-A
9	Inside Housing Width gauge 11.50" Dim.	27762-B
10	End Wall thickness gauge	27763-A
11	Side Wall thickness gauge	27764-A
12	Housing depth gauge under lug	27769-A
13	Inside housing depth gauge	27770-B
14	118 ⁰ Bore face angle gauge	27980-B
15	122 ⁰ Bore face angle gauge	27981-B
16	Housing shoulder height gauge for 13.50" Dim.	28739-A
17	Groove gauge	40003-A
	SHOE	
1	Shoe face gauge (max)	27253-B
2	Shoe face gauge (min)	27254-B
3	Shoe back angle & radius gauge	27220-E
4	Outside width of shoe gauge	27716-B
5	Shoe face crown gauge	27273-B
6	Shoe thickness gauge	27298-A
7	Shoe back surface thickness gauge	27728-B
	WEDGE	
1	Wedge Lug depth gauge	27212-C
2	Wedge Lug gauge	27215-A
3	Wedge Trim Dia gauge	27216-A
4	30 ⁰ Wedge angle gauge	27266-A
5	Wedge top to top of lugs depth gauge (max)	27267-B
6	Wedge top to top lugs depth gauge (min)	27268-A
7	Gauge for length of wedge body	27749-A
	TOP FOLLOWER	
1	Dimple gauge	27235-C
2	Top follower bottom flatness gauge	27245-A
3	Follower outside control gauge	27702-A
4	Top follower thickness gauge	27776-A
5	Overall follower thickness gauge	28130-A
6	Follower thickness gauge for bottom flange	28131-A
	REAR WALL	
1	Rear Wall thickness gauge	27765B
2	Rear Wall plate width gauge	27766B
3	Rear Wall plate length gauge	27767B