



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

MM / RM / PURCHASE / TUBES

TITLE : Alloy Steel CUT FLATS SA387GR22CL2	Phone: +91 431 2577421/ 2575730 Fax : +91 431 252 0719 Email : dhanabals@bheltry.co.in
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Reference Number: Enquiry 1501500025	Enquiry Date: 10.07.2015	Due date for submission of quotation: 31.07.2015
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You are requested to quote the Enquiry number and due date in all your correspondences. This is only a request for quotation and not an order.

Please note that under any circumstance both **delayed offer** and **late offers** will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the date tender opening.

Sub: Alloy Steel CUT FLATS SA387GR22CL2

Supply of alloy steel Cut Flats with Specn SA387GR22CL2 and TDC: 316 Rev 00.

BHEL commercial terms & conditions with Price Bid formats and all annexures can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units) Bharath Heavy Electricals Limited) under enquiry reference "1501500025"

Tenders should reach us before 14:00 hours on the due date
Technical bid will be opened at 14:30 hours on the due date
Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present.

Yours faithfully,
For Bharath Heavy Electricals Limited

PURCHASE/Executive

S. DHANABAL

Senior Engineer

MM / RM / Purchase / Tubes
BHEL, TIRUCHY - 620 014.



BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)
HIGH PRESSURE BOILER PLANT
PURCHASE DEPARTMENT - FOSSIL BOILERS
THIRUCHIRAPALLI - 620014
TAMILNADU (INDIA)

PHONE :2577447
GRAMS : BHARATELEC
FAX NO: 2520719
E-mail: agk@bheltry.co.in
Web:

429-002/A

	Enquiry No 1501500025	Enquiry Date 10.07.2015	Due Date for Quotation 31.07.2015
Please quote Enquiry No, Date and due date in all correspondences. This is only a request for quotation and not an order. Bid should be submitted in two parts. 1.Techno-commercial bid (Part-I) and 2.Price bid(Part-II) in a separate sealed cover and both covers must be placed in a third cover and sealed. Our Enquiry No., Enq. date & Enq. Due date must be written on all three covers.			

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	159080030000 Boiler Quality Plate of 6 mm thickness conforming to SA387 Gr. 22 and meeting the requirements of TDC: 0:316 Rev:00 dated 30/05/2015. Each plate shall meet the following size requirements: 1. Length = 10,150 mm (10.150 meters) with tolerance -0 or +50 mm 2. Width = 12.7 mm with tolerance -0.5 or +0.5 mm 3. Thickness = 6 mm with tolerance -0 or +0.8 mm Total number of plates required meeting the above size requirements = 200 numbers	KG	1214.000	1,214.00	30.11.15

General Note:

- 1) All the materials are to be supplied fully meeting the TDC 316 Rev 00.
- 2) All the enquiry terms & conditions are given in Annexure I. Supplier to submit the duly filled "Annexure-I" along with the offer.
- 3) All other relevant documents enclosed.

All the tenders may be addressed to the following address:


**The Tender Opening Cell / MM
Room No: 26, Building 24, Ground Floor
Bharat Heavy Electricals Limited
TIRUCHIRAPALLI 620014**

In case personal delivery of the offer, it shall be dropped into the respective box kept in Room No: 26, after duly entering the data in the system.

Offers will be accepted only up to 14.00 Hrs on the due date. Therefore, vendors shall ensure to submit the offers well before this time. All due date extension requirements should be addressed to the respective Purchase mail IDs. All the due date extension requests from vendors will be considered only up to 48 hours before the due date and time.

The offers should reach us 30 minutes before the time of opening of tenders. The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

Yours faithfully,
For **BHARAT HEAVY ELECTRICALS LIMITED**


S. DHANABAL
Senior Engineer
MM / RM / Purchase / Tubes
BHEL, TIRUCHY - 620 014.
MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,



BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)
HIGH PRESSURE BOILER PLANT
PURCHASE DEPARTMENT - FOSSIL BOILERS
THIRUCHIRAPALLI - 620014
TAMILNADU (INDIA)

PHONE :2577447
GRAMS : BHARATELEC
FAX NO: 2520719
E-mail: agk@bheltry.co.in
Web:

Page
2/2

1501500025 / 10.07.2015

23505

Vendors are requested to avoid submission of offers through e mail / fax. In case of any unavoidable situation, offers shall be sent through e mail to the following mail ID only tender_cell@bheltry.co.in.

As tenders are being opened by Common Tender Opening Cell, offer covers should be sealed with tenderer's distinctive seal and super scribed with correct Tender No. item of supply and due date of opening.

The offers will be opened at 14.30 hrs on the due date of the tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.


Enclosures:

"LD clause has to be confirmed without fail."

The offers should reach us 30 minutes before the time of opening of tenders.
The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

Yours faithfully,
For **BHARAT HEAVY ELECTRICALS LIMITED**

S. DHANABAL
Senior Engineer
MM / RM / Purchase / Tubes
BHEL, TIRUCHY - 620 014.


MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

**BHARAT HEAVY ELECTRICALS LIMITED
MM/RM/PURCHASE/TUBES
BHEL / TRICHY-620 014.**

ANNEXURE- I

Enquiry Terms & Conditions for Open tender

Note: This Annexure has to be mandatorily filled & signed by the manufacturer (or) mill and submitted along with Technical bid.

SI No	BHEL Requirements	Supplier Comments (Acceptance or otherwise for each point to be given)
01	<p>Material specification: Material specification, Width, wall thickness & Length should be strictly as per enquiry.</p>	
02	<p>Specification, Size & Quantity:</p> <ol style="list-style-type: none"> 1) All materials are to be supplied fully meeting the material specification & Technical Delivery condition TDC: 316 Rev 00. Point-by-Point confirmations is required for TDC. If there is any deviation, the same should be mentioned clearly in the offer itself. 2) Packing & preservation shall be strictly as per the TDC. 3) All flats are to be supplied to the specific length detailed in the description. Any deviation in length has to be indicated in the offer itself. 	
03	<p>Offer Submission:</p> <ul style="list-style-type: none"> ➤ Please submit your offer in TWO part bid (technical cum commercial bid in one cover and price bid in another cover) in single cover. The Covers should be duly super scribed with the ENQUIRY NO and DUE DATE in BOLD letter without fail. ➤ The OFFER, sealed and Super scribed as "Parts 1 & II inside" indicating Enquiry No., Due Date, Address & Reference of the Bidder should reach this office on or before the due date by 14:00 hrs (IST). OFFERS RECEIVED AFTER 14:0hrs is (IST) WILL NOT BE CONSIDERED FOR EVALUATION. ➤ Bidders shall submit the OFFER in English language (a single envelope containing two inner envelopes) as indicated below: Envelope 1: This sealed envelope should contain <ol style="list-style-type: none"> (a) technical bid (b) un-priced commercial bid (copy of the Priced Bid without the price details) ➤ This envelope should be clearly marked "Part 1 - Technical and Un-priced commercial bid, indicating Enquiry No., Due Date, Address & Reference of the Bidder. ➤ Envelope II: This sealed envelope should contain price details. This envelope should be clearly marked "Part II - Price bid", indicating enquiry No., Due Date, Address & Reference of the Bidder. <p>Note: Bidders are requested to submit their offers only through sealed bids. As the part II (priced bid) will not be opened before the technical evaluation is completed, bidders are requested to avoid submission of offers through email/fax etc. In case of any unavoidable situation, offers shall be sent only through the email ID : tender_cell@bheltry.co.in.</p> <ul style="list-style-type: none"> ➤ Tender should not be addressed to any individual's name but only to the following address: Tender Opening Cell/MM Room No.26, 24 Building (Ground Floor), Bharat Heavy Electricals Limited, Tiruchirappalli - 620 014. <p>If any clarification related to the enquiry should be sent to Mail IDs vkarna@bheltry.co.in & dhanabals@bheltry.co.in</p>	
04	<p>Terms of Delivery :</p> <p>Indigenous:</p> <ol style="list-style-type: none"> a) Bidders should submit their offer only for FOR Destination BHEL Stores, Trichy. The quote should be inclusive of all charges, including testing packing, inspection etc. b) Any other extra charges like ED, CST/VAT etc. are to be indicated clearly. The offer will be evaluated on total landed cost to BHEL Trichy. c) MODVAT CREDIT: If any excise Duty is payable, the chapter head / sub-head reference and the rate of the duty should be quoted. If the tenderer is availing MODVAT credit for this input material, the effect of preformed credit should be passed on to the purchaser. Tenderer under MODVAT shall be preferred. <p>Imports:</p> <ol style="list-style-type: none"> A) Bidders should submit their offer for CFR Chennai with freight break up details. B) If freight breakup details are not indicated, the offer may be liable for rejection. C) FOB rate will be arrived by subtracting the corresponding freight break up from the CFR rate. D) Both PORT OF LOADING & PORT OF DISCHARGE SHOULD BE INDICATED WITHOUT FAIL. E) BHEL reserves the right to order on FOB or CFR basis. <p>We also request you to submit your quotations for the destination port of Karaikkal & Tuticorin in your offer without fail. The quote should be all inclusive of all charges, including testing packing, inspection etc.</p>	

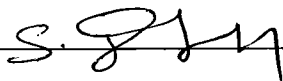
	<p>1. CFR incoterms:</p> <p>a) For CFR terms, moved through CONTAINERS (Suppliers should clearly specify this in their offer) it would be presumed by BHEL that the freight charges quoted is on LILO (LINER IN LINER OUT) basis including extra charges, if any, like Container Imbalance Charges, Trade Imbalance charges or any other charges payable to the Liner. No other charges other than the quoted Freight rate will be paid by BHEL excepting applicable Terminal Handling Charges, Container cleaning Charges, DO charges to Shipping Liner at Discharge Port. If any deviation is taken by Tenderer, a loading of 22% on the freight rate per MT shall be considered by BHEL for arriving at the Total landed Cost.</p> <p>b) For CFR terms, moved through BREAK BULK BASIS (Suppliers should clearly specify this in their offer) it would be presume by BHEL that the freight charges quoted is on LILO (LINER IN LINER OUT) basis.</p> <p>c) In case of shipment through Containers on CFR basis, the BL should bear the endorsement that "14 free days for Container Detention is applicable".</p> <p>2. FOB incoterms:</p> <p>a) The available load ports for FCL (Full Container Load) Cargo in Freightling Contract are Antwerp, Hamburg, Genoa, Rotterdam, Bilbao, Gothenberg, Felixstowe, St.Petersberg, Busan, Dalian, Shanghai, Kobe, Osaka, Yokohama.</p> <p>b) The available load ports for LCL (Less than Container Load) Cargo in Freightling Contract are Antwerp, Hamburg, Genoa, Rotterdam, Bilbao, Gothenberg, Felixstowe, Thamesport, Tilbury, Le Harve, St.Petersberg, Busan, Masan, Dalian, Shanghai, Tianjin, Kobe, Osaka, Yokohama, Singapore, Durban.</p> <p>c) The available load ports for BB (Break Bulk) Cargo in Freightling Contract are Antwerp, Hamburg, Genoa.</p>	
05	<p>Payment terms:</p> <p>A. Indigenous:</p> <p>i) BHEL Payment term is 100% direct EFT payment after 45 days from the date of receipt and acceptance of materials.</p> <p>ii) The duplicate copy of the invoice meant for the transporters should accompany the material as stipulated under C.E. rules 52a and 173c (or) 57gg. A Photostat copy of the above invoice for each Delivery Challan should be submitted along with the original bills routed through bank or submitted directly to BHEL finance department.</p> <p>iii) Any deviation in the above payment term will attract loading as mentioned below. "Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders.</p> <p>iv) Payment through bank is not preferred. In case of payment through bank is opted by supplier, BHEL prefers documents submission through bank with copy of LR and door delivery of goods to site/stores with consignee copy attached. In this case loading will be 3% on the offered value.</p> <p>v) Offers of indigenous Suppliers with payment terms as LC / Advance Payment are liable for rejection.</p> <p>B. Imports:</p> <p>i) BHEL Payment term is 100% payment on CAD basis after 45 days from the date of receipt of documents, specified in PO, at BHEL bank. Respective bank charges to respective account.</p> <p>ii) Any deviation in the above payment term will attract loading as mentioned below. "Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders.</p> <p>iii) If the LC payment is insisted, TWO sets of original TCs to be submitted prior to dispatch and a certificate to that effect from BHEL should form a part of the documents to be negotiated. If this condition is not complied by the vendor, the offer is liable for rejection.</p> <p>➤ In the case of Usance LCs the loading will be considered @ 1.5% on the offered Value.</p> <p>➤ For LC at sight the loading will be considered @ 3.5% on the offered Value.</p> <p>➤ Normally CAD at sight and Confirmed LCs are liable for rejection.</p>	
06	<p>Delivery:</p> <p>The offer shall clearly indicate delivery period in fixed number of weeks/Months from the date of Purchase Order.</p>	
07	<p>Liquidated Damage (Indigenous & Imports):</p> <ol style="list-style-type: none"> Liquidated damages shall be 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value. Any deviation from the above LD clause, loading will be applied to the extent to which it is not agreed by the bidder (at offered value). <ol style="list-style-type: none"> IMPORT: For CFR / CIF terms, LD will be calculated from the B/L date. For FOB terms, LD will be calculated from final inspection agency's signed date in the TC. INDIGENOUS: For "FOR Delivery terms", Lorry way bill date and for "Ex-work delivery terms" final inspection certificate date / intimation of readiness whichever is later will be taken for LD calculation. 	
08	<p>Risk Purchase clause :</p> <p>BHEL at its option will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or despatch within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute thereof. The supplier shall be liable for any loss which BHEL may sustain by reason of such risk purchases in addition to LD at the maximum rate mentioned in the LD clause above. Confirm your acceptance.</p>	

09	<p>Performance Bank Guarantee : The Bidder, in the event of an order, should furnish a bank Guarantee from BHEL's consortium banks (List attached) or counter – guaranty by vendor's bank to BHEL's consortium banks, at no extra cost to BHEL, in a proforma prescribed by BHEL, provided along with the order, for an amount equivalent to 10% of the contract value. The BG shall be valid for period of 18 months from the date of last shipment or 12 months from the date of receipt / acceptance at BHEL, Trichy whichever is later, with a claim period of two months.</p>	
10	<p>Validity: Offer/Price validity of 60 days is required after the price bid opening in case you are technically and commercially qualified.</p>	
11	<p>Agency Commission :</p> <ul style="list-style-type: none"> ➤ In respect of offers from overseas suppliers, agency commission, if any, payable to their agents in India, shall invariable be shown separately in the Performa invoice and this will be paid by us in India, in Indian rupees, on satisfactory completion of the contract. ➤ It overseas principal has any tie-up with any third party in respect of agency commission it should be declared while submitting offers. ➤ Copies of current agency agreement / authorization letter in respect of agency commission shall be furnished along with offer, if not made available earlier. ➤ For calculation of rupee equivalent agency commission, exchange rate as prevailing on the date of order will be taken. 	
12	<p>General condition:</p> <ol style="list-style-type: none"> 1. Inspection and certificates as per TDC, in addition to the TCs should be provided along with dispatch of materials. Two sets of original and one copy of all such TCs are to be provided to BHEL, Trichy. 2. Acceptance of TC by BHEL before dispatch is must. 3. We require the shipment of the flats to be as per the dates mentioned against the individual items in the enquiry. 4. BHEL will consider the ranking after the loading is applied as referred above wherever deviations are observed. 5. Lowest price received against BHEL tenders need not be the technically acceptable one and in that case, BHEL reserves the right not to consider the same. 6. BHEL reserves the right to negotiate L1 rate or re-float the tender opened if L1 price is not the lowest acceptable price to them inter-alia other reasons. 7. Vendor should physically weigh the materials before stuffing them into Container and incorporate the same in BL and packing Slip. 8. Date of price bid opening will be informed later after acceptance of offer on technical ground. 9. No revision of prices will be entertained after the tenders are opened. 10. Supplier shall indicate the place of manufacture and mill name in the offer. 11. The import supplier which is going to supply first time to BHEL (not supplied any materials earlier), the Payment will be made after 45 days of receipt & acceptance of materials at BHEL store. 12. Offer will be evaluated based on Landed cost to BHEL Trichy. 13. Tenders should be free from CORRECTION AND ERASURES, Corrections if any, must be attested. <ul style="list-style-type: none"> A) if, in the price structure quoted for the required goods, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly. B) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected. C) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (A) and (B) above. <p>Note: Bidders are requested to submit their offers only through sealed bids. As the part ii (priced bid) will not be opened before the technical evaluation is completed, bidders are requested not to submit their bids through email/fax etc.</p> <ol style="list-style-type: none"> 14. Fixed Price : All items should be quoted on "Per unit basis". Prices quoted by the bidder shall be fixed and not subject to any escalation whatsoever during the period of bid validity and execution of the Purchase Order. A bid submitted with an adjustable price will be liable or rejection. Prices shall be written in words and figures. In the event of any discrepancy with regard to total price and unit price whichever is less shall be considered correct. All rates should include the third party inspection charges. RATES QUOTED SHALL BE INCLUSIVE OF ALL CHARGES INCLUDING PACKING, INSPECTION ETC. NO EXTRA PAYMENT WILL BE MADE IN ANY CASE. 15. Bid currency: Indian bidders should submit the prices only in Indian Rupees. Foreign bidders may submit their bid in their preferred currency. For the evaluation purposes the exchange rate (TT - Selling Rate of SBI) on technical bid opening date will be considered. 	

16. The offer is to be signed and sealed in original by the bidder without fail.
17. BHEL prefers the manufacturers to quote directly. In case this is not possible and the offer is being submitted by an Indian agent, the following details are to be furnished along with the offer:
- The letter from their Principal authorizing the Indian agent to submit the offer on their Principal's behalf. In case the Indian agent submits offer on their own letter head then a covering letter (in original) from the Principal should be enclosed, clearly mentioning that they are bound by the offer submitted by the Indian agent on their behalf.
 - Precise relationship between foreign suppliers and their Indian agents and their mutual interest in business, should be clearly spelt out
 - Any payment, which the agent receives in India or abroad, from the foreign supplier, whether as a commission or as a general retainer fee is to be mentioned in the offer.
 - All services to be rendered by the agent, whether of general nature or in relation to the particular contract, must be clearly stated by the foreign supplier and the Indian agent.
 - The amount of agency commission agreed to between the foreign principal and the Indian agent should be specifically disclosed and the agency commission will be paid in Indian Rupees only on satisfactory completion of the contract.
 - For calculation of rupee equivalent of agency commission, exchange rate as prevailing on the date of order will be taken.
 - Copy of current agency agreement is to be enclosed. Offers with non-compliance to any of the above will be liable for rejection.
18. OFFER FROM TRADERS, RE-ROLLERS (only cold drawing of pipes/tubes), FABRICATORS, BORING/MACHINE SHOPS (only have lathe and machining facility), expanding process AND STOCKISTS ARE NOT ACCEPTABLE AND WILL NOT BE CONSIDERED FOR EVALUATION.
19. BIDDERS WHO ARE NOT REGISTERED VENDOR OF BHEL TRICHY HAVE TO SUBMIT THE FILLED IN SUPPLIER REGISTRATION FORMS (SRF) AVAILABLE IN THE BHEL WEBSITE - www.bhel.com AND THE OTHER REQUIRED DOCUMENTS CALLED FOR IN THE SRF (INCLUDING D&B REPORTS FOR IMPORT VENDORS, ALONG WITH THE TECHNICAL BID WITHOUT FAIL. The same shall be scrutinized as per BHEL evaluation procedures. **OFFERS SUBMITTED WITHOUT THIS WILL BE REJECTED**
20. ALL VENDORS (BHEL REGISTERED VENDORS OR NEW VENDORS) SHOULD SUBMIT AN EXPERIENCE CERTIFICATE DETAILING THE QUANTITY SUPPLIED SPEC WISE YEAR WISE ALONG WITH THE UNPRICED PO COPIES AND PROOF OF SUPPLY (SUCH AS INVOICE & BILL OF LADING COPIES) ALONG WITH THE OFFER FOR G22 CUT FLATS /TENDERED SPECIFICATIONS AND TEST CERTIFICATES FOR THE SAME.
- ALL VENDORS (BHEL REGISTERED VENDORS OR NEW VENDORS) SHALL SUBMIT - THE FACILITIES AVAILABLE AT THE MILL - STARTING MATERIAL TO FINISHED PRODUCT, MANUFACTURING QUALITY PLAN, INSPECTION & TEST PLAN TO MEET THE TDC REQUIREMENTS) ALONG WITH THE TECHNICAL BID SHOULD BE SUBMITTED WITHOUT FAIL SPECIFIC TO G22 CUT FLATS. The same shall be scrutinized as per BHEL evaluation procedures.
21. If supplier is not a steel maker then source of raw material for the manufacturing of Cut flat shall be submitted.
22. Suppliers without basic manufacturing & heat treatment facilities in-house, shall not be considered for evaluation.
23. In house test facilities for mechanical, chemical & non - destructive testing are mandatory requirements for consideration of this offer.
24. BHEL/End customer reserve the right to inspect the item ordered at any stage at vendor's works and if found not to meet the stipulated conditions, material is liable for rejection.
25. Bidders are to confirm all the above points in their "Technical and unpriced commercial bid". Incomplete offers will not be considered. The technical documents submitted for consideration of offer is to be signed and sealed in original by mill without fail.
26. Any other conditions which might have been quoted by the seller and are in contravention to the terms prescribed in the order and which have not been specifically accepted in by purchaser will not be applicable to the contract.
27. The offers of the bidders who are on the banned list as also the offer of bidders who engage the services of the banned firms, shall be rejected. The list of banned firms is available on the BHEL website -www.bhel.com.

SIGNED BY MANUFACTURER / MILL

(On behalf of BHEL)



S. DHANABAL
Senior Engineer
MM / RM / Purchase / Tubes
BHEL, TIRUCHY - 620 014.

Name of Mill:
Designation / Department:
Seal & Signature

BHEL, Tiruchirappalli – 620014.	Quality Assurance	Technical Delivery Conditions
Product: HOT/COLD ROLLED FLAT	FOR FIN WELDED PANELS TO SA387 Gr.12, Gr 22 (For AUSC BOILERS)	
Document No.:TDC:0:316	Rev. No.: 00	Effective date :30-05-2015
		Page: 1 OF 1

Record of Revision: Rev 00 – Fresh Issue

1. **SCOPE:** TDC covers flat of SA387 Gr 12, Gr22 for fin welded panels, for use in Advanced Ultra Super Critical (AUSC) boilers.
2. **MATERIAL SPECIFICATION:**
 - ASME (Latest as on PO Date) : Alloy Steel (AS) SA 387 Gr 12, Gr.22
 - Additional Requirement : As listed below (Supplementary to specification)
 - Size, and Qty : As per Purchase order (PO).
3. **CHEMICAL COMPOSITION & PROCESS:**

All plates are of Fully Killed steel, Final rolling: lengthwise. Ladle analysis: 1 sample per cast, Product analysis: min.1 sample per plate as rolled. Flat to be Hot/Cold rolled and shall be of weldable quality.
4. **HEAT TREATMENT (HT):** As delivered condition: Normalize and Temper.
5. **DIMENSIONS AND TOLERANCES:**
 - Thickness: as per Enq/PO Tolerance: as per specification
 - Width: as per Enq/PO Tolerance: $\pm 0.5\text{mm}$; Length: As per Enquiry/PO; Tolerance: $-0/+50\text{mm}$
 - Packing weight: Maximum: 2 Tons.
6. **MECHANICAL TESTS:** Shall be carried out in as delivered condition as per the specification.
7. **FINISH AND REPAIRS:**

Flats to have a workman like finish, be free of harmful defects like cracks, laminations, scabs etc., and surfaces to be free from scales, rust, pitting, wrinkles etc. For hot rolled flats the edges of flats to be of machine cut (slitting) ends in order to ensure squareness of edges & flatness of width. Edges cut by shearing or hot saw cut are not acceptable. Flats to be without fish tails and should not contain any weld seams. Repair by fusion welding is prohibited. When defects are rectified by mechanical means, min. thickness as per specification shall be met and the rectified areas to be smoothly dressed up.
8. **MARKING, PACKING AND PRESERVATION:**
 1. In addition to SA387 – Specification, grade, melt number, PO Number, Number of pieces, weight, Size and Maker's emblem/ code on the packing by paint stenciling. It is the responsibility of the supplier to ensure that no damage occurs during transit.
 2. Flat are to be applied with a suitable weldable primer coating to avoid rusting during transportation & storage, which will not produce defects like porosity in welding. Individual flats to be packed in air/water tight polythene covering of sufficient thickness and strength to withstand rigorous handling.
 3. Further, the flats are to be rigidly packed together with Galvanized Iron sheets along the outer periphery. Flats are to be wrapped with 1 inch hoop iron bands at one place across the length and at 4 places through the length of the packing and supported on suitable wooden skids/ steel crates. Handling hook is to be provided for lifting by crane.
9. **INSPECTION AND CERTIFICATION:** Products must be inspected and tested at works and the details as below furnished in mill test Certificate legibly, in English language only:
 1. Purchase Order No. (BHEL), TDC No. & Test certificate number.
 2. Specification and Grade with applicable year of Standard, Quantity, Heat Number, Plate number.
 3. Raw material TC, Steel making & finishing process
 4. Chemistry including incidental elements.
 5. Heat Treatment details with actual temperature and soaking time,
 6. Mechanical test Results.
 7. Dimension report (Width, thickness, flatness, squareness).
10. **AUDIT CHECKS:** BHEL reserves the right to carry out audit checks for chemistry, HT condition, mechanical test and NDT on representative test bars or job. Supplies found defective during check or subsequent processing at BHEL are liable for rejection

Haritha.C/QA	Panneerselvam.G/QA	Dr.Raju.N/ WRI	Revisankaran.U/QA 30/05/15
Prepared by	Reviewed by		Approved by

(TO BE STAMPED IN ACCORDANCE WITH STAMP ACT AND THE EXPIRY DATE OF BG MUST BE AFTER 60 DAYS FROM THE DATE OF COMPLETION OF WARRANTY PERIOD)

PERFORMANCE BANK GUARANTEE

In accordance of M/s. Bharat Heavy Electricals Limited (A Government of India undertaking, a company incorporated under the Companies Act 1956 having its Registered Office at "BHEL House", SIRI Fort, New Delhi 110 049) through its High Pressure Boiler Plant Division located at Tiruverumbur, Tiruchirapalli- 620 014 (hereinafter called 'the Company') having entered into a contract withhereinafter called ' the said contractor ' which term includes 'suppliers' for the purpose of this Bond and under the terms and conditions of the contract No..... Dt Between BHEL, Trichy and as per the contract, the contractor / supplier is to furnish a performance Bank guarantee for Rs. for the due performance of the equipment to be supplied under the above referred contract and for the fulfillment of all the terms and conditions of the contract, We(indicate the name of the bank) (herein after referred to as the bank) at the request of (Contractor(s)) do here by undertake to pay the company an amount not exceeding Rs.....against any loss or damage caused to or suffered or would be caused to or suffered by the company by reason of any breach by the said contractor (s) of any of the terms and conditions contained in the said agreement.

2. We(indicate the name of the bank with full address), do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the Company stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Company by reason of breach by the said Contractor(s) of any of the terms and conditions contained in the said Agreement or by the reason of the contractor(s) 'failure to perform' the said agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs._____.

3. We undertake to pay unconditionally to the Company any money so demanded notwithstanding any dispute(s) raised by the Contractor in any suit, or proceedings pending before any Court or Tribunal or Arbitration or before any other authority relating thereto our liability under this present being absolute and unequivocal. The payment under this guarantee would not wait till the disputes have been decided by any Court or Tribunal or in the arbitration proceedings or by any other authority. The payment so made by us under this Bond shall be a valid discharge of liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.

4. We.....(indicate the name of Bank), further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the Company under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till _____Office / Department/ Divison of the Company certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

5. (I) Unless a demand or claim under this guarantee is made on us in writing on or before the _____ we shall be discharged from all the liability under this guarantee thereafter. But where such claim or demand has been preferred by the Company with the Bank before the expiry of the said date, the claim shall be enforceable notwithstanding the fact that the said enforcement is effected after the said date.

(ii) For the purpose of this clause, any letter making demand on the Bank by M/s. BHEL dispatched by Registered Post with Ack.Due or by Telegram or by any Electronic media addressed to the above mentioned address of the Bank shall be deemed to be the claim / demand in writing referred to above irrespective of the fact as to whether and when the said letter reaches the Bank, as also any letter containing the said demand or claim is lodged with the bank personally.

6. We(indicate the name of Bank), further agree with the company that the Company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor (s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Company against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by any reason of any such variation or extension being granted to the said Contractor(s) or for any forbearance, act or omission on the part of the company or any indulgence by the company to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating would, but for this provision, have effect of not so relieving us.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

8. It shall not be necessary for the company to proceed against the contractor before proceeding against the guarantor-bank and the guarantee herein contained shall be enforceable against them notwithstanding any security, which the company may have obtained or obtain from the Contractor shall, at the time when proceedings are taken against the guarantor hereunder be outstanding or unrealised.

9. Any claim or dispute arising under the terms of this document shall only be enforced or settled in the Courts at Tiruchirapalli.

10. The guarantor hereby declare that it has power to execute this guarantee and the executant has full powers to do so on its behalf under the proper authorities granted to him/them by the guarantor.

11. We(indicate the name of Bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the company in writing.

In witness whereof we....., (indicate the name of Bank) have hereunto setout
Bank Seal the _____ day _____ month 200
BANK E-MAIL ID:
BANK PHONE NO.
BANK FAX NO:

List of Consortium Bank	
Nationalised Bank	Nationalised Bank
1 Allahabad bank	19 Vijaya Bank
2 Andhra bank	Public Sector Banks
3 Bank of Baroda	20 IDBI
4 Canara Bank	Foreign bank
5 Corporation bank	21 CITI Bank N.A
6 Central bank	22 Deutsche Bank AG
7 Indian Bank	23 The Hongkong and Shanghai Banking Corporation Limited
8 Indian Oversea Bank	24 Standard Chartered Bank
9 Oriental bank of Commerce	25 The Royal Bank of Scotland N.V.
10 Punjab National Bank	26 J P Morgan
11 Punjab & Sindh Bank	Private bank
12 State Bank of India	27 Axis Bank
13 State Bank of Hyderabad	28 The Federal Bank Limited
14 Syndicate Bank	29 HDFC
15 State Bank of Travancore	30 Kotak Mahindra Bank
16 UCO Bank	31 ICICI
17 Union Bank of India	32 Indusind Bank
18 United Bank of India	33 Yes Bank