

Item details			
Enq no: 1001700010 dt 10.04.2017			
Alloy steel plates to the description SA387GR91CL2 and as per TDC 202 / Rev .07			
Item Sl.No	Description	Qty	Schedule Delivery date
10	PLATE 25X2000X6500mm-30Nos/SA387Gr91CL2	76.538 MT	30.07.2017
20	PLATE 32X2000X6500mm-30Nos/SA387GR91CL2	97.968 MT	30.07.2017
30	PLATE 40X2000X6500mm-36Nos/ SA387GR91CL2	146.952 MT	30.07.2017

BHEL recently received guidelines from Govt. Of India and Central Vigilance Commission and we have been asked to comply with the guidelines with regard to dealings with Indian Agent/Foreign Agent of Foreign Suppliers.

1. Mandatory submission of an Agency Agreement

- 1.1 It shall be incumbent on the Indian agent and the foreign principal to adhere to the relevant guidelines of Government of India, issued from time to time.
- 1.2 The Agency Agreement should specify the precise relationship between the foreign OEM/foreign principal and their Indian agent and their mutual interest in the business. All services to be rendered by agent/associate, whether of general nature or in relation to the particular contract, must be clearly stated by the foreign supplier/Indian agent. Any payment, which the agent or associate receives in India or abroad from the OEM, whether as commission or as a general retainer fee should be brought on record in the Agreement and be made explicit in order to ensure compliance to laws of the country.
- 1.3 In the absence of any agency agreement, BHEL shall not deal with any Indian agent (authorized representatives / associate / consultant, or by whatever name called) and shall deal directly with the foreign principal only for all correspondence and business purposes.
- 1.4 Agents will file an authenticated Photostat copy duly attested by a Notary Public / Original certificate of the Principal confirming the agency agreement and giving the status being enjoyed by the agent and the commission / remuneration / salary / retainer ship being paid by the principal to the agent.
- 1.5 Wherever the Indian representatives have communicated on behalf of their principals and the foreign parties have stated that they are not paying any commission to the Indian agents, and the Indian representative is working on the basis of salary or as retainer, a written declaration to this effect should be submitted by the Foreign Principal.

2. Disclosure of particulars of agents / representatives in India

2.1 Tenderers of Foreign nationality shall furnish the following details:

2.1.1 The Bidder(s) / Contractor(s) of foreign origin shall disclose the name and address of the agents / representatives in India if any and the extent of authorization and authority given to commit the Principals. In case the agent / representative be a foreign Company, it shall be confirmed whether it is existing Company and details of the same shall be furnished.

2.1.2 The amount of commission / remuneration included in the quoted price(s) for such agents / representatives in India.

2.1.3 Confirmation of the Tenderer that the commission / remuneration, if any, payable to his agents / representatives in India, paid in Indian Rupees only.

2.2 Tenderers of Indian Nationality shall furnish the following details:

2.2.1 The Bidder(s) / Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any, indicating their nationality as well as their status, i.e. whether manufacturer or agents of manufacturer holding the Letter of Authority of the Principal specifically authorizing the agent to make an offer in India in response to tender either directly or through the agents / representatives.

2.2.2 The amount of commission / remuneration included in the price(s) quoted by the Tenderer for himself.

2.2.3 Confirmation of the foreign principals of the Tenderer that the commission / remuneration, if any, reserved for the Tenderer in the quoted price(s), paid in India in equivalent Indian Rupees on satisfactory completion of the Project or supplies of Stores and Spares in case of operation items.

2.3 Failure to furnish correct and detailed information as called for in paragraph 2.1 & 2.2 above will render the concerned tender liable to rejection or in the event of a contract materializing, the same liable to termination by BHEL Besides this there would be a penalty of banning business dealings with BHEL or damage or payment of a named sum.

Please furnish the above information immediately

 BHEL - TRICHY	THIRD PARTY NON-DISCLOSURE AGREEMENT		Doc.No. : ISMS-04/TP/011
			Ver. No: 3.0 Rev. No: 00
	Date : 27 - 10 - 14		

THIRD PARTY NON-DISCLOSURE AGREEMENT

I, _____, on behalf of the _____ (Name of Company), acknowledge that the information received or generated, directly or indirectly, while working with BHEL, Trichy on contract is confidential and that the nature of the business of the BHEL, Trichy is such that the following conditions are reasonable, and therefore:

I warrant and agree as follows:

I, or any other personnel employed or engaged by our company, agree not to disclose, directly or indirectly, any information related to the BHEL, Trichy Without restricting the generality of the foregoing, it is agreed that we will not disclose such information consisting but not necessarily limited to:

- Technical information: Methods, drawings, processes, formulae, compositions, systems, techniques, inventions, computer programs/data/configuration and research projects.
- Business information: Customer lists, project schedules, pricing data, estimates, financial or marketing data,

On conclusion of contract, I, or any other personnel employed or engaged by our company shall return to BHEL, Trichy all documents and property of BHEL, Trichy, including: drawings, blueprints, reports, manuals, computer programs/data/configuration, and all other materials and all copies thereof relating in any way to BHEL, Trichy 's business, or in any way obtained by me during the course of contract. I further agree that I, or any others employed or engaged by our company shall not retain copies, notes or abstracts of the foregoing.

This obligation of confidence shall continue after the conclusion of the contract also.

I acknowledge that the aforesaid restrictions are necessary and fundamental to the business of the BHEL, Trichy and are reasonable given the nature of the business carried on by the BHEL, Trichy I agree that this agreement shall be governed by and construed in accordance with the laws of country.

I enter into this agreement totally voluntarily, with full knowledge of its meaning, and without duress.

Dated at _____, this ____ day of _____, 20__.

Name

Company

Signature

CHECK LIST FOR SPOT VISIT-STEEL				
DOC NO.:CL:MM:22/Rev. 00			Date : 30.05.2016	
VENDOR NAME & ADDRESS:-				
SL NO	Parameter for Evaluation	As given by firm	Actual observed in Audit	Remarks
01	Raw Material Source			
	Integral			
	Other Sources			
	Material and Certificate Co-relations			
02	Incoming Material Inspection System - Procedure Exists			
03	Material Issue Inspection System - Procedure Exists			
04	Rolling mill capacity			
	Length			
	Minimum			
	Maximum			
	Thickness			
	Minimum			
	Maximum			
	Width			
	Minimum			
05	Hot finishing and cold finishing facility			
06	Descaling facility during process.			
07	Straightening facility after finishing.			
08	Inprocess Inspection System - Procedure Exists			
09	Valid Calibration Certificates for Instruments/Gauges/Tools exist			
10	Identification and Traceability System exists			
	At Receipt Stage			
	Issue Stage			
	In-Process Stage			
	Final Stage			
	Shipping Stage			
11	Rejected Material Control exists			
12	Furnace with calibration checks			
	Calibrated Heating Furnace Calibration exists			
	Calibrated Normalising/ Tempering Furnace exists			
	Maintenance of Furnace Operation Records			
	Identification and Traceability System exists			
13	Non-Destructive Test Facilities (Inhouse or outsourced)			
	UT facility (online or Manual)			
	NDE Personnel Qualification			

CHECK LIST FOR SPOT VISIT-STEEL				
DOC NO.:CL:MM:22/Rev. 00			Date : 30.05.2016	
VENDOR NAME & ADDRESS:-				
SL NO	Parameter for Evaluation	As given by firm	Actual observed in Audit	Remarks
14	Mechanical Testing facility in-house/out sourced			
15	Chemical Testing facility in-house/ out sourced			
16	Calibrated PMI Test Equipment exists			
17	Final Stage verification			
	Facility for descaling available			
	Facility for paint stenciling			
	Facility for hard stamping			
	Facility for colour coding			
18	Product Certification			
	Availability of System for certification of material			
	Availability of System for correlation of material with certificates			
20	IBR validity exists for IBR materials			
Auditor-1 :			Auditor-2 :	
	Prepared by:			Approved By
Important Notes :				
01	Part-A requirement is a must for qualifying the vendor. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit			
02	Part-B requirement is also a must for assessing and approving the capacity only. Hence, filling up all evaluation parameters is a must and shall be available at the time of spot visit			



Record of revisions:

Rev 04: 18/07/2008 Cl 1.0 to Cl 6.0 modified.

Rev 05: 02/02/2011: SA387 Gr 91 Class 2 added, Cl 2.0, 3.0, 5.0, 6.0, 9.0, and 10.0 modified.

Rev 06: 28/06/2014 Cl 1.0: Material spec SA516 included. CL 3.0 and 5.0 modified.

Rev 07: Dt: 27/04/2016 – Cl 1 modified; Cl 3- Heat treatment temperatures revised; Cl 4 to 8- modified; Cl 10- revised as per latest IBR requirements.

1.0 MATERIALS

Specification	:	ASME (Latest as on the date of Enquiry or PO, whichever is earlier)
Carbon steel (CS)	:	SA515 Gr.70, SA516 Gr.70
Alloy Steel (AS)	:	SA387 Gr.12 Class 2, Gr. 22 Class 2, Gr. 91 Class 2
Additional Requirements	:	As listed below (Supplementary to the above material specifications)
Size and Quantity	:	As per Purchase Order (PO)

2.0 CHEMICAL COMPOSITION & PROCESS

- All plates shall be of Fully Killed steel.
- Plates shall be Vacuum Degassed. (S1 of SA20).
- Final rolling: Length-wise.
- Plate thickness (t) > 80mm to be made only from ingots. Plate of $t \leq 80\text{mm}$, can be made from continuous cast slabs. Reduction ratio in thickness from slab/ingot to plate shall be 3:1. Sufficient "Top of Ingot" to be discarded to ensure plate free of segregation. After top discard, the increase in Carbon content at the top-mid, width-mid thickness of the plate shall not exceed 20% of the reported ladle analysis value. This value shall be reported in Test Certificate.
- Ladle analysis: 1 sample per cast; Product analysis: Min.1 sample per plate as rolled.
Max. Carbon: CS: 0.25%. Max. Carbon Equivalent for Carbon Steel: As per S20 of SA20.

3.0 HEAT TREATMENT (HT) (as delivered condition)

Materials	Heat Treatment Temperature (°C)	
	Normalising	Tempering
CS: SA 515 Gr 70, SA 516 Gr 70	880-920	-
AS: SA387 Gr 12 Class 2	920-960	650-700
AS: SA387 Gr 22 Class 2	920-960	680-750
AS: SA387 Gr 91 Class 2	1040-1080	750-780

4.0 SIMULATION HEAT TREATMENT for test coupons in addition to Cl.:3.0 (For CS Drum plates only as indicated in the Enquiry/PO):

Normalizing: 880-920°C, Stress Relieving (SR): $615 \pm 10^\circ\text{C}$, 3 hr/inch of thick (t), furnace cool to 400°C;
ROH/ROC for SR: $<220^\circ\text{C/hr}$ divided by t in inches, but need not be slower than 55°C/hr.

5.0 MECHANICAL TESTS (In simulation heat treated condition for CS Drum plates and in as delivered condition for other CS plates & all AS plates):

Extent of test: For each rolled/mother plate.

- Tensile Test
- Bend Test: Angle of bend: 180 deg. Diameter of the Mandrel = 2xThickness of the plate as rolled.
- High temperature tensile test for carbon steel drum plates shall be as per S7 of SA 20. Min yield strength at 350°C: 19.7 kg/mm².
- For Gr 91 - Hardness: 195 – 250 HBW, Tensile strength: Min: 630 MPa, Yield Strength: Min: 450 MPa.

6.0 NON DESTRUCTIVE TEST (For all plates of thickness >10mm)

Ultrasonic test: As per SA578. Acceptance: Level B.

7.0 DIMENSIONAL CHECKS

All dimensions shall be as per PO. Tolerance on thickness of plates shall be positive only.

8.0 REPAIRS AND FINISH

Plates to be free of mill scales, edge crack & other injurious defects. Repairs by fusion welding are prohibited. Mechanical removal of defects are permitted subject to availability of min. thickness & smooth surface.

9.0 MARKING

- Specification, grade, Melt number, Size, Plate number, Maker's emblem/ code and Inspecting Authority's seal to be stamped on each plate.
- For plates of thickness > 6mm, marking shall be by stencilling & steel die stamping



Product: BOILER QUALITY STEEL PLATES AS PER SA 515, SA 516 & SA 387 SPECIFICATIONS

- c) For plates of thickness $\leq 6\text{mm}$, marking shall be by stencilling & steel die stamping using low stress on each plate & bordered by white paint.
- d) In addition, for SA387, each plate shall be legibly stamped with the letter N to indicate for normalised and tempered plate. Rolling direction shall be marked by paint. PO No., "BHEL - Tiruchirappalli" & weight to be painted on the product.

10.0 INSPECTION AND CERTIFICATION:

- a. Products shall be inspected at works & the test certificates (in English only) countersigned by Inspecting Authority as below:
- ☐ **Imported:** Inspecting Authority approved by IBR for the country of origin (to be concurred by BHEL).
 - ☐ **Indigenous Supply:** Director of Boilers/Chief Inspector of Boilers/Inspecting Authority approved by IBR, for the respective state.
- b. All the products shall be accompanied by IBR Form-IV (for IBR well-known steel makers & others) and manufacturer's mill test certificate (in English only) supplied against every purchase order.
- c. Additionally, manufacturer's test certificate shall be submitted meeting all the requirements contained in the purchase order, this TDC, and the applicable ASME Specification with the following details:
- i. Purchase Order No (BHEL), TDC No & Rev No, Test certificate number & Date, Quantity.
 - ii. Specification and Grade with applicable year of code, Heat Number, Plate number.
 - iii. Steel making process, Chemistry including incidental elements - Ladle and Product analysis.
 - iv. Heat Treatment details of material and test coupons like temperature, soaking time, cooling medium etc.
 - v. The actual ratio of reduction in thickness from a strand-cast slab to plate shall be reported in the test certificate
 - vi. Mechanical, NDE & other test results with reference & acceptance standards.
 - vii. Print of the stamp of Inspecting Officer, which is used on the plate.
 - viii. The manufacturer shall furnish a certificate of compliance stating that the plates have been manufactured, inspected, and tested in accordance with the requirements of the applicable product specification.

R. Venkanna 27/04/2016	 27/04/16	 27/4/16		 27/04/16	 27/04/16
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