

Technical Specifications

SL. No	Description and Technical Specification of the item	QTY	UNIT	Delivery
1	EB2 SAW WIRE DIA4.00MM Diameter 4 mm. Each Spool Weight 25 Kg. ASME SEC.II.C, SFA-5.23 EB2 SAW WIRE TO WCPI-006/06. DIAMETER 4.00 MM X 25 KG LAYER WOUND COILS.	10,200.00	KG	90 DAYS



BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPALLI-620 014
WELDING TECHNOLOGY CENTRE

WCPI – 006

Revision No.: 06

Date: 18.06.16

**WELDING CONSUMABLE PURCHASE INSTRUCTION FOR
LOW ALLOY STEEL SAW WIRE AS PER ASME SEC IIC SFA-5.23-EB-2**

1.0 GENERAL:

- 1.1 The wire shall comply with requirements specified in the latest edition (applicable on the date of issue of purchase order) of ASME Sec IIC SFA-5.23, EB-2. All tests, acceptance criteria shall be in accordance with this. Additional requirements specified in this document and purchase order shall also be complied.
- 1.2 The wires shall be supplied in quantity as specified in the purchase order.
- 1.3 The wires are intended for use as filler for radiographic quality butt joints in high pressure boiler pipes.
- 1.4 Every batch of wires shall be inspected and test certificates countersigned by Inspecting Authority approved by IBR for the country of origin (latest).

2.0 Chemical Composition:

The chemical composition of the wire shall conform to ASME SECIIC SFA-5.23, EB-2.

3.0 SIZE:

The wire shall be supplied in diameter 2.0, 2.4, 3.2, 4.0 and 4.8 mm as specified in the purchase order. The tolerance on diameter shall be as per SFA-5.02. The net weight of the coil shall be 25kg or 30Kg.

4.0 FORM :

For diameter 2.0mm, 2.4mm and 3.2mm, the wire shall be appropriately wound in coils with suitable liners and shall meet the clause 4.3.3 of SFA-5.02 with dimensions 450 mm maximum OD, 300 mm ID and 100 mm width. For diameter 4.0mm and 4.8mm Wires shall be appropriately wound in basket rim B450 as per SFA-5.02 tagged with identification label affixed in a prominent location on the outside of at least one flange of the spool.

5.0 FINISH AND UNIFORMITY:

The wire shall meet the requirements of clause 16.2 of SFA-5.23.

Prepared:

Suraj N
Engineer/WTC

Reviewed and approved:

S. Singaravelu
SDGM/WTC



6.0 WINDING REQUIREMENTS:

The wire shall meet the requirements of clause 16.4 of SFA-5.23.

7.0 IDENTIFICATION :

The wire shall meet the requirements of clause 4.5.2, 4.5.4 and 4.5.5 of SFA-5.02.

8.0 MARKING:

The wire shall meet the requirements of clause 4.6 of SFA-5.02.

9.0 PACKAGING:

9.1 The wire shall be completely devoid of moisture or any other foreign material and shall be adequately sealed in suitable cartons to ensure no deterioration in the wire quality during transportation by sea and long duration storage.

9.2 For 2.0mm, 2.4mm and 3.2mm, the liners shall meet the requirements of clause 4.3.3 of SFA-5.02. For wire diameter 4.0mm and 4.8mm, the basket rim shall meet the requirements of clause 4.3.4 of SFA-5.02 shall be met.

9.3 The cartons shall be packed in waterproof boxes with crates to ensure no damage during shipment and normal storage conditions. Weight of each crate shall not exceed 1000kg.

9.4 The cartons shall have product information as per clause 4.6 of SFA-5.02.

10.0 TESTING AND CERTIFICATION:

10.1 Each consignment of wires supplied shall preferably be from one batch only.

10.2 Batch /Lot classification shall be Class S1 as per SFA-5.01 Filler metal procurement guidelines of ASME Sec.II.C (latest edition).

10.3 The Level of Testing shall be Schedule J as per SFA-5.01 Filler metal procurement guidelines of ASME Sec.II.C (latest edition).

10.4 Three copies of original test certificates in English countersigned by Inspecting Authority (latest) approved by IBR for country of origin giving details of the tests done in compliance with this purchase instruction and ASME Sec IIC, SFA-5.23, EB-2 shall be sent.

10.5 The testing authority shall certify that supplies made against the batch conform to the requirements of the latest edition (applicable on the date of issue of purchase order) of ASME Sec IIC SFA-5.23 EB-2.

Record of Revisions

<u>WCPI No.</u>	<u>Description</u>
006/01	Revised in its entirety
006/02	Revised in its entirety
006/03	Revised in its entirety
006/04	Chemical composition of wire is revised as per ASME SEC IIC
006/05	Format of WCPI revised.
<u>Point No.</u>	<u>Description of Revision in WCPI 006/06 from WCPI 006/05</u>
4.0	Form of the spool for respective size is revised.
5.0	Clause revised as per ASME SEC IIC 2015.
9.2	Revised for respective sizes.
10.1	The word "preferably" is included.
10.2, 10.3, 10.5	The word "addenda" is removed.

Sl. No.	Pre –Qualification Criteria - PR 0135281968	Bidder remark
1	If Bidder is a manufacturer, Confirm “Yes or, No” in bidder remark.	
2	<p>Bidder shall be a manufacturer of the Quoted items or an authorized dealer of the same.</p> <p>If the offer is quoted by agent, letter of authorization or agreement duly signed by the manufacturer is required to consider the offer.</p> <p>Tender Enquiry details must available on Letter of authorization or agreement to consider the offer.</p>	
3	Quoted Welding Consumables Brand Name/Product Name	
4	Quoted Product Catalogue	
5	Manufacturing Plant Address / Mill Address	
6	Manufacturer/Bidder shall submit manufacturing process flow chart (Raw material to finished product) along with offer for Quoted Item.	
7	Manufacturer/Bidder shall submit a valid ISO 9001 certificate or Quality management system certificate or Written down procedure for ISO 9001 or A valid ISO 45001 certificate or Written down procedure for Quality inspection.	

Seal and Sign of Authorized Person

Sl. No.	Pre –Qualification Criteria - PR 0135281968	Bidder remark
8	Manufacturing Plant capacity for SAW Process .	
9	Bidder should confirm and full fill the WCPI- 006/06 . Any deviation from the Specification are to be mentioned in the “Bidder remark Space”. If There is no deviation vendor should indicate “No Deviation”.	
10	Seal and sign the WCPI- 006 revision 06 for confirmation.	
11	WCPI- 006/06 (Diameter 4.0 mm and Each Spool Weight: 25 Kg) Diameter details and Spool Weight details	
12	Valid IBR certificate status to be provided for Quoted material.	
13	<p>Manufacturer/Bidder shall have successful experience for supplying of SAW Wire or GMAW Wire or GTAW Wire/Rod to any govt. Organizations/ PSUs/ Public Ltd./ Company/Reputed Industries etc.</p> <p>Purchase orders copies/ related documents to be submitted along with offer to consider the offer.</p> <p>Note: Successful experience means – supplied and accepted.</p>	

Seal and Sign of Authorized Person

Annexure – A- Additional Terms and Conditions for GeM Enquiry

The terms and condition mentioned in this document are applicable in addition to the GeM General Terms and Conditions. Bidders shall furnish pointwise confirmation/details.

<i>To be filled by bidder</i>		
Description of the Equipment:		
GeM Tender No. & Date		
Name of the firm (Bidder)		:
Address		:
Contact person 1		Contact person 2
Name:		Name:
Designation:		Designation:
Office Phone:		Office Phone:
Mobile:		Mobile:
e-mail:		e-mail:
Offer/Quotation reference with date		:
Sl	Terms and conditions	Vendor's confirmation
1.	Inspection by BHEL/as per Technical specification(if any).	
2.	<p>Payment terms:</p> <ol style="list-style-type: none"> 1. Payment terms for Non MSME Suppliers: Within 90 days after CRAC 2. Payment terms for Micro & Small Enterprises (MSEs): Within 45 days after CRAC. The supplier should upload UDYAM Registration Certificate in proof of MSE. 3. Payment terms for Medium Enterprises: Within 60 days after CRAC. The supplier should upload UDYAM Registration Certificate in proof of Medium Enterprises. <p>Note: Deviation in above payment terms is not acceptable. In case of Auto PRC/CRAC, Payment due date shall be calculated from CRAC date or material acceptance date by BHEL whichever is later.</p>	
3.	Response to Tenders for Indigenous supplier will be entertained only if the vendor has a valid GST registration number which should clearly mentioned in the offer. Indicate the GST registration number. If any specific exemption is available, a declaration with due supporting documents need to be furnished for considering the offer.	GST Registration No. _____
4.	Performance Bank Guarantee: Not Applicable	
5.	Kindly Indicate the HSN Code for all items	HSN CODE : _____
6.	Rate quoted in GeM portal should be on FOR destination basis inclusive of all taxes, P&F, freight etc. Transit Insurance is under Supplier scope. Please indicate how much GST percentage is included in quoted price.	GST in %: _____

Vendor's Seal & Signature

/ On Bidder's office letter pad /

Self-Declaration

Enquiry No.	
Enquiry Date	

In line with Government public procurement order Number P-45021/2/2017-B.E-II dated 15.06.2017, and further modified order dt. 28.05.2018, 29.05.2019 & order 04.06.2020 issued by DPIIT

I / We hereby declare that I / We are a "Local Supplier" meeting the requirement of minimum local content (..... %) defined in the above government notification for the goods against above mentioned enquiry Number.

Details of location at which local value addition will be made is as follows:

Door No.	
Street / Address 1	
Street / Address 2	
District	
State	
Country	
PIN Code	

We also understand that the false declarations will be in breach of the code of Integrity under rule 175(1)(i)(h) of the General financial rules for which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under law.

For Company Name:

Seal:

Signature:

Date:

Place:

Note:

" Local Content "means the amount of value added in India which shall ,unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured(excluding net domestic indirect taxes) minus the value of imported content in the item(including all customs duties) as a proportion of the total value, in percent. "Local Supplier "means a supplier or service provider whose product or service offered for procurement meets the minimum local content.

The above declaration shall be submitted mandatorily along with the offer in company letter head with seal & signature.

(Please fill all the yellow color field)