Technical Specifications				
SL. No	Description and Technical Specification of the item	QTY	UNIT	Delivery
1	ER NiFeCr-2 - 1.2 mm Size 1.2 mm diameter layer wound Spools on S300 spool with 15Kg weight. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, cast and helix, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Precision layer and level winding are essential. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	120.00	KG	28 DAYS
2	ER NiFeCr-2 - 1.6 mm Size 1.6 mm diameter X 900 to 1000 mm length Cut to length should be with embossing/imprinting on at least one end for positive identification. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	50.00	KG	28 DAYS
3	ER NiFeCr-2 - 2.4 mm Size 2.4 mm diameter X 900 to 1000 mm length Cut to length should be with embossing/imprinting on at least one end for positive identification. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	50.00	KG	28 DAYS

4	ER NiCr-3 - 1.2 mm Size 1.2 mm diameter layer wound Spools on S300 spool with 15Kg weight. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, cast and helix, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Precision layer and level winding are essential. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	120.00	KG	28 DAYS
5	ER NiCr-3 - 1.6 mm Size 1.6 mm diameter X 900 to 1000 mm length Cut to length should be with embossing/imprinting on at least one end for positive identification. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	50.00	KG	28 DAYS
6	ER NiCr-3 - 2.4 mm Size 2.4 mm diameter X 900 to 1000 mm length Cut to length should be with embossing/imprinting on at least one end for positive identification. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	50.00	KG	28 DAYS

7	ER Ni-1- 1.2 mm Size 1.2 mm diameter layer wound Spools on S300 spool with 15Kg weight. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, cast and helix, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Precision layer and level winding are essential. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	120.00	KG	28 DAYS
8	ER Ni-1 - 1.6 mm Size 1.6 mm diameter X 900 to 1000 mm length Cut to length should be with embossing/imprinting on at least one end for positive identification. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	50.00	KG	28 DAYS
9	ER Ni-1 - 2.4 mm Size 2.4 mm diameter X 900 to 1000 mm length Cut to length should be with embossing/imprinting on at least one end for positive identification. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	50.00	KG	28 DAYS

10	ER NiCrMo-3 - 1 mm Size 1 mm diameter layer wound Spools on S300 spool with 15Kg weight. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, cast and helix, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Precision layer and level winding are essential. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	75.00	KG	28 DAYS
11	ER NiCrMo-3 - 1.2 mm Size 1.2 mm diameter layer wound Spools on S300 spool with 15Kg weight. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, cast and helix, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Precision layer and level winding are essential. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	120.00	KG	28 DAYS
12	ER NiCrMo-3 - 1.6 mm Size 1.6 mm diameter X 900 to 1000 mm length Cut to length should be with embossing/imprinting on at least one end for positive identification. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	50.00	KG	28 DAYS

13	ER NiCrMo-3 - 2.4 mm Size 2.4 mm diameter X 900 to 1000 mm length Cut to length should be with embossing/imprinting on at least one end for positive identification. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	50.00	KG	28 DAYS
14	ER NiCrMo-4 - 2.4 mm Size 2.4 mm diameter X 900 to 1000 mm length Cut to length should be with embossing/imprinting on at least one end for positive identification. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	50.00	KG	28 DAYS
15	ER NiCrMo-4 - 1.2 mm Size 1.2 mm diameter layer wound Spools on S300 spool with 15Kg weight. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, cast and helix, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Precision layer and level winding are essential. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	120.00	KG	28 DAYS

16	ER NiCrMo-4 - 1.6 mm Size 1.6 mm diameter X 900 to 1000 mm length Cut to length should be with embossing/imprinting on at least one end for positive identification. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	50.00	KG	28 DAYS
17	ER NiCrFe-7A - 1.2 mm Size 1.2 mm diameter layer wound Spools on S300 spool with 15Kg weight. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, cast and helix, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Precision layer and level winding are essential. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	120.00	KG	28 DAYS
18	ER NiCrFe-7A - 1.6 mm Size 1.6 mm diameter X 900 to 1000 mm length Cut to length should be with embossing/imprinting on at least one end for positive identification. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	50.00	KG	28 DAYS

19	ER NiCrFe-7A - 2.4 mm Size 2.4 mm diameter X 900 to 1000 mm length Cut to length should be with embossing/imprinting on at least one end for positive identification. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	50.00	KG	28 DAYS
20	ER NiCrCoMo-1 - 0.8 mm Size 0.8 mm diameter layer wound Spools on S300 spool with 15Kg weight. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, cast and helix, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Precision layer and level winding are essential. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	75.00	KG	28 DAYS
21	ER NiCrCoMo-1 - 1.2 mm Size 1.2 mm diameter layer wound Spools on S300 spool with 15Kg weight. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, cast and helix, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Precision layer and level winding are essential. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	120.00	KG	28 DAYS

22	ER NiCrCoMo-1 - 1.6 mm Size 1.6 mm diameter X 900 to 1000 mm length Cut to length should be with embossing/imprinting on at least one end for positive identification. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	50.00	KG	28 DAYS
23	ER NiCrCoMo-1 - 2.4 mm Size 2.4 mm diameter X 900 to 1000 mm length Cut to length should be with embossing/imprinting on at least one end for positive identification. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	50.00	KG	28 DAYS
24	ER NiCrCo-1 - 0.8 mm Size 0.8 mm diameter layer wound Spools on S300 spool with 15Kg weight. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, cast and helix, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Precision layer and level winding are essential. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	100.00	KG	28 DAYS

25	ER NiCrCo-1 - 1.2 mm Size 1.2 mm diameter layer wound Spools on S300 spool with 15Kg weight. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, cast and helix, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Precision layer and level winding are essential. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	150.00	KG	28 DAYS
26	ER NiCrCo-1 - 2.4 mm ER NiCrCo-1 Size 2.4 mm diameter X 900 to 1000 mm length Cut to length should be with embossing/imprinting on at least one end for positive identification. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	50.00	KG	28 DAYS
27	ER NiCrFe-7A - 0.8 mm Size 0.8 mm diameter layer wound Spools on S300 spool with 15Kg weight. Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, cast and helix, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Precision layer and level winding are essential. Lot classification: S1, Schedule of testing: 5 or J. The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.	75.00	KG	28 DAYS

Ni welding consumables

Sl. No	Specification & Size	Quantity (Kgs)	Remark
1	ER NiFeCr-2 - 1.2 mm	120	15 kgs spool
2	ER NiFeCr-2 - 1.6 mm	50	15 kgs spool
3	ER NiFeCr-2 - 2.4 mm	50	Cut to length
4	ER NiCr-3 - 1.2 mm	120	15 kgs spool
5	ER NiCr-3 - 1.6 mm	50	Cut to length
6	ER NiCr-3 - 2.4 mm	50	Cut to length
7	ER Ni-1- 1.2 mm	120	15 kgs spool
8	ER Ni-1 - 1.6 mm	50	Cut to length
9	ER Ni-1 - 2.4 mm	50	Cut to length
10	ER NiCrMo-3 - 1 mm	75	15 kgs spool
11	ER NiCrMo-3 - 1.2 mm	120	15 kgs spool
12	ER NiCrMo-3 - 1.6 mm	50	Cut to length
13	ER NiCrMo-3 - 2.4 mm	50	Cut to length
14	ER NiCrMo-4 - 2.4 mm	50	Cut to length
15	ER NiCrMo-4 - 1.2 mm	120	15 kgs spool
16	ER NiCrMo-4 - 1.6 mm	50	Cut to length
17	ER NiCrFe-7A - 1.2 mm	120	15 kgs spool
18	ER NiCrFe-7A - 1.6 mm	50	Cut to length
19	ER NiCrFe-7A - 2.4 mm	50	Cut to length
20	ER NiCrCoMo-1 - 0.8 mm	75	15 kgs spool
21	ER NiCrCoMo-1 - 1.2 mm	120	15 kgs spool
22	ER NiCrCoMo-1 - 1.6 mm	50	Cut to length
23	ER NiCrCoMo-1 - 2.4 mm	50	Cut to length
24	ER NiCrCo-1 - 0.8 mm	100	15 kgs spool
25	ER NiCrCo-1 - 1.2 mm	150	15 kgs spool
26	ER NiCrCo-1 - 2.4 mm	50	Cut to length
27	ER NiCrFe-7A - 0.8 mm	75	15 kgs spool

Size 0.8 mm diameter

layer wound Spools on S300 spool with 15Kg weight.

Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, cast and helix, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M.

Precision layer and level winding are essential. Lot classification: S1, Schedule of testing: 5 or J.

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The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.

Size 1.2 mm diameter

layer wound Spools on S300 spool with 15Kg weight.

Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, cast and helix, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M.

Precision layer and level winding are essential. Lot classification: S1, Schedule of testing: 5 or J.

The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.

Size 1.6 mm diameter X 900 to 1000 mm length

Cut to length should be with embossing/imprinting on at least one end for positive identification.

Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J.

The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.

Size 2.4 mm diameter X 900 to 1000 mm length

Cut to length should be with embossing/imprinting on at least one end for positive identification.

Chemical composition, Mechanical properties, finish and uniformity, method of manufacture, tolerance, identification, packaging, marking of packages, all tests and acceptance criteria shall be as per ASME Section II Part C SFA-5.14/SFA-5.14M. Lot classification: S1, Schedule of testing: 5 or J.

The weld using this consumable shall exhibit radiographic soundness with 100% Argon shielding and shall flow freely uniformly without any defects.

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PQR

Sl No	Specification	Vendor response
1	Quality Standards: Compliance with relevant international standards such as AWS or ASME Section II Part- C for welding consumables. Provide documentation demonstrating the quality and performance of the welding rod, including material certifications, test reports, and conformance to required specifications.	
2	Product Specifications: Provide the test certificate, to ensure that the welding rod meets the specific requirements including chemical composition, mechanical properties, and other technical specifications as defined by AWS/ ASME Section II Part- C.	
3	Previous Experience: Provide a track record of successfully supplying welding rods for similar applications and industries. This could include references, case studies, or a portfolio of past projects.	
4	Packaging and Documentation: Ensure proper packaging and labelling of the welding rods, including clear product identification and documentation of important details such as batch numbers, heat numbers, and welding specifications.	
5	Acceptance of Materials before Payment: The supplied quantity will be subject to the consumable testing, which, at a minimum, must comply with the usability testing standards as per AWS/ ASME Section II Part-C. If the materials fail to qualify or are not accepted during the consumable testing, the supplier is responsible for replacing the entire batch to meet the testing requirements. In the event that the supplied materials do not meet the specified requirements within one month following communication via email, a risk clause may be invoked against the supplier	

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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.

To be filled by bidder	
Description of the Equipment:	
GeM Tender No. & Date	
Name of the firm (Bidder)	**:**
Address	**:**
Contact person 1 **Name:** **Designation:** **Office Phone:** **Mobile:** **e-mail:**	**Contact person 2** **Name:** **Designation:** **Office Phone:** **Mobile:** **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.	**Payment terms:** 10 days from CRAC / Acceptance	
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.	**EMD / Performance Security:**	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

ANNEXURE-B

/ 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)