

Tender Document

A. Instruction to Bidders

1	The Purchaser is: DIRECTOR, CSIR – NEIST, JORHAT – 785006, ASSAM, INDIA
2	The Final Destination is (To be delivered at): CSIR – NEIST, Jorhat – 785006, Assam, INDIA
3	Quotation has to be submitted on FOR, destination basis. Please include all the charges clearly within the quoted cost.
4	Standard Delivery Period: Within 60 days from receipt of confirmed Purchase Order.
5	The mode of transportation should be in accordance with the nature of Item and delivery period.
6	The method and conditions of payment to be made to the Supplier under this Contract shall be as follows: 100% within 30 days after receipt of the items. <u>Note:</u> All payments due under the Contract shall be paid after deduction of statutory levies at source (like ESIC, Income Tax, etc.), wherever applicable.
7	The liquidated damage shall be 0.5% per week or part of a week towards late delivery and towards delay in installation and commissioning. The maximum amount of liquidated damage shall be 10%.
8	The place of jurisdiction is JORHAT, ASSAM, INDIA
9	For <u>notices</u> , the Purchaser's address is: STORES & PURCHASE OFFICER, CSIR – NEIST, JORHAT – 785 006, ASSAM, INDIA Telephone No.: +91 0376 2372 710, E-mail: spo@neist.res.in

B. Specifications and Allied Technical Details**Item Name: Consumables Qty.: As mentioned below****Place of Delivery: CSIR – NEIST, Jorhat – 785006, Assam, INDIA**

Sl. No.	Material	Specifications	Qty.	
			No.	Unit
1	Mild steel sheet	1.2 mm thickness, 8 ft x 4 ft area	7	nos.
2	Copper tube	27 mm Diameter, 15 m length	2	nos.
3	Mild steel hinge	1.5 inch	20	nos.
4	Stainless steel valve	1.5 inch inner diameter	6	nos.
5	Hexagonal head nut, bolt and washer	1 inch	30	kg
6	Charcoal		100	kg
7	Heat insulation gasket	8 ft x 4 ft	50	kg
8	Heat resistant spray paint	225 ml	5	nos.
9	Die-Cast Aluminum Centrifugal Fan Blower, Size 260 millimeter Millimeter	260 mm, AC	2	nos.
10	Copper electrical wire, single strand, 18 AWG	1 sq. mm	1	roll
11	Copper electrical wire, single strand, 22 AWG	0.5 sq. mm	1	roll
12	Copper wires, multistrand, 14 AWG	2.5 sq. mm	1	roll
13	Copper wires, multistrand, 12 AWG	4 sq. mm	1	roll
14	Copper wires, multistrand, 10 AWG	6 sq. mm	1	roll
15	Soldering iron, 25 W	25 W	5	nos.
16	Temperature Sensor	K-type Thermocouple Class 2 Temperature Range 0-1250°C	10	nos.
17	Heavy load caster swivel	Diameter: 100 mm	8	nos.
18	Anabond Gasket Maker	85 g	15	nos.
19	Metallic Ball valve, 1 1/4 inch	1 1/4 inch	4	
20	Metallic ball valve, 1.5 inch	1.5 inch	4	
21	Fiber glass electrical sleeves, 6 mm sq., 3m	6 mm sq., 3m	10	nos.
22	Ceramic fibre blanket insulation		10	rolls
23	Ceramic fibre rope		20	kg
24	Mild steel perforated sheet	1.2 mm thickness, 8 ft x 4 ft area	3	nos.
25	Mild steel angle rod, 1.5 inch	1.5 inch side length, 20 ft length	7	nos.
26	Stainless steel sheet, Grade 304	1.2 mm thickness, 8 ft x 4 ft area	7	nos.
27	Stainless steel perforated sheet, Grade 304	1.2 mm thickness, 8 ft x 4 ft area	3	nos.
28	Stainless steel angle rod, Grade 304	1.5 inch side length, 20 ft length	7	nos.
29	Stainless steel rod, 8 mm, Grade 304	8 mm Diameter, 20 ft length	3	nos.
30	Copper sheet, 8 ft x 4 ft area	1.2 mm thickness	3	nos.
31	High temperature silicon tube (white/transparent))	10 mm Inner diameter, 10 m length	3	ft
32	High temperature silicon tube (white/transparent))	5 mm Inner diameter, 10 m length	3	ft
33	Adapter (for water flow reduction)	10 mm to 5 mm reducer	10	nos.
34	Zinc Alloy Pillow Block Flange Bearing KFL08, 8 mm inner diameter		4	nos.
35	Mild steel tube, 1.5 inch diameter	1.2 mm thickness, 20 ft length	3	nos.
36	Mild steel tube, 3 inch diameter	3 inch diameter, 1.2 mm thickness, 20 ft length	1	nos.
37	Wood (Bon bogori)	50 mm x 50 mm x 12 ft	10	piece
38	Wood for burning		200	kg

39	CPU fan blower	4 inch diameter, DC 12 Volt	4	nos.
40	12 V DC Water Pump	DC 12 V, 5 mm input plug	3	nos.
41	Thermoelectric Peltier Refrigeration Cooling System	40 mm x 40 mm, 12 V DC	10	nos.
42	TEC1-12706 Thermoelectric Peltier Module		10	nos.
43	Straight Heating Rod	Straight Rod type, Length: 12 inch, Diameter: 8.2mm, Load: AC 500 W, Max allowed current : 3A, Resistance: 9.68 k Ω	6	nos.
44	USB Bus cable for Arduino UNO		4	nos.
45	Rotary potentiometer, 10 kilo ohm	10k Ω	10	nos.
46	Rotary potentiometer, 100 kilo ohm	100 k Ω	10	nos.
47	TM1637 Display	7 Segment Display Unit	20	nos.
48	Jumper wires, Male to female	Male to female, 20 cm length	2	nos.
49	Jumper wires, Male to male	Male to male, 20 cm length	2	nos.
50	Jumper wires, Female to female	Female to female, 20 cm length	2	nos.
51	MOSFET, IRFZ44N	IRFZ44N	10	nos.
52	MOSFET, IRLB4132	IRLB4132	10	nos.
53	Waterproof Illuminated Rocker Switch		20	nos.
54	Potentiometer knob	ID: 6 mm; OD: 15 mm	20	nos.
55	Pencil battery, AA	1.5 V	30	nos.
56	Heat sink compound		40	nos.
57	DC Blower with speed controller	MY6812 Electric motor Rated Voltage : 12V Rated Power : 120w Rated Current : <10A Max RPM: 2650rpm	2	nos.
58	Microcontroller	Arduino UNO R3 Atmega320p based microcontroller 14D i/p-o/p, 6A i/p	3	nos.
59	12V 1 Amp Power Supply Board 220V AC to 12V DC	12V DC, 1A	1	nos.
60	12V DC adapter, 5 A	5A, 60W	2	nos.
61	63A 230V Digital Energy Meter with Over/Under Voltage Protection	Smart Load protection Device Overvoltage Protection range: 230-300VAC Overcurrent Protection range: 1-63A	1	nos.
62	1203B PWM DC Motor Speed Controller Module	DC 6-28V	1	nos.
63	Pack of Resistors (1k Ω , 10k Ω , 500 Ω , 300 Ω , 1.5k Ω ; 50 each)	1k Ω , 10k Ω , 500 Ω , 300 Ω , 1.5k Ω	2	pack
64	Capacitors, (1f, 100pf, 0.015uF, 47uF, 100uF; 50 each)	1f, 100pf, 0.015uF, 47uF, 100uF	2	pack
65	Diode 1n400s	1n400s	1	pack
66	AC-DC multiport converter	LM100-10C051212-35 Mornsun SMPS – (5V 8A), (12V 3.5A) and (12V 1A) – 94W AC/DC Enclosed Switching Triple Output Power Supply	1	nos.
67	Ac Timer Autocutoff	Timer Switch for Heater Single Phase	1	nos.
68	Rocker Switch	High voltage KCD4 Green DPST 250V 16A ON-OFF 4Pin Rocker Switch	3	nos.
69	SPST Rocket Switch	2 Pin Mini On-Off SPST Rocket Switch (19 x 13mm)	4	nos.
70	Panel LED Indicator Light	Type of 4 Colours 22 Mm Round Plastic Single Phase Control Panel LED Indicator Light	1	nos.
71	LED driver module, 12V 10A	12V 10A 120W AC/DC Switching Adaptor Convertor Driver/Power Supply	1	nos.

72	DC-DC Buck Converter Power Supply	LM2596S DC-DC Buck Converter Power Supply i/p=3-40V o/p=1.5-35V max current=2A	1	nos.
73	Ceramic Heating Element Insulator	Off White Ceramic Heating Element Insulator Max operating Temp: 1200°C	5	nos.
74	Ceramic terminal block	Terminal Block, 2-Way, 41A, 6 mm2 Wire, Screw Termination. Rated current: 41A	10	nos.
75	GI Pipe, 1 1/4 inch	1 1/4 inch, 20 ft	2	nos.
76	GI Nipple, 1 1/4 inch		20	nos.
77	PCB circuit		5	nos.
78	Paraffin wax 58-60		10	kg
79	Heat resistant gloves		5	pairs
80	Metal 3D printed heat exchanger		4	pieces
81	8 mm pillow block flange bearing		20	pieces
82	Zinc Alloy Door Handle Lock Spring Loaded Pull Handle Latch for Oven Refrigerator Freezer Door Handle		5	pieces
83	M4x40mm Bolt and Nut, Mild steel		1000	pieces

Delivery:Delivery should be **FOR** Destination basis.**Note:**

- The evaluation will be done set-wise for technical as well as financial.

C. Documents and declarations to be submitted with the bid**Technical Bid with terms and conditions:****With Technical Bid**

(If not provided with the Bid, may be asked again and even then if not provided, the bid may be rejected)

1. Declaration regarding Make In India (Mandatory to make the Bid eligible and for Price Preference also) that the item offered meets the required local content giving details of the location(s) at which the local value addition is made.
2. Declaration regarding Land Border sharing Countries.
3. Bidders Information form.
4. Code of Integrity Form.
5. Technical Compliance/Deviation Statement form.
6. Bid Securing Declaration Form.
7. Supporting brochures/catalogues.
8. Documentary evidence (if exemption and Price Preference is claimed) about the status of the bidder i.e. whether MSE or not, owned by SC/ST or not and whether the MSE is owned by a women entrepreneur or not, if and as applicable.

D. Documents to be submitted by the successful bidder after award of contract

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|-------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none">1. Order Acceptance (within 14 days).2. Challan & Invoice. |
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FORMS

Part I (To be submitted along with the bid)

(To be filled by the bidder as appropriate and enclosed with the Technical Bid)

1. Self Certification for Make in India

Affidavit of Self certification regarding Minimum Local Content in line with DPIIT order, dated 16th September, 2020, to be provided on a non-judicial stamp paper of Rs. 100/-. (The scanned copy of the stamp paper to be attached with the bid & the original should be sent by post/courier for evaluation)

Date://20....

I _____ S/o, _____ D/o, _____ W/o, _____ Resident
of _____ hereby solemnly affirm and declare
as under:

That I agree to abide by the terms and conditions of the Department for Promotion of Industry and Internal Trade (Preference to Make in India) Order, 2020 (*hereinafter DPIIT order*) of Government of India issued vide Notification No:P-45021/2/2017/PP (BE-II) dated 16/09/2020, and its any subsequent modifications/Amendments, if any.

That the information furnished hereinafter is correct to the best of my knowledge and belief and I undertake to produce relevant records before the procuring entity i.e. CSIR-NEIST or any authority so nominated for the purpose of assessing the Local content of goods/services/works offered by me against this NIT.

That the local content for all inputs which constitute the said goods/services/works has been verified by me and I am responsible for the correctness of the claims made therein.

That the goods/services/works offered by me for (*Enter the name of the Equipment/Item for Project*) meets the 'Minimum Local Content' as defined in the PPPMII order.

That I understand that in the event of the local content of the goods/services/works mentioned herein is found to be incorrect and not meeting the prescribed Minimum Local Content criteria, based on the assessment of procuring entity i.e. CSIR-NEIST or any authority so nominated for the purpose of assessing the Local content, action shall be taken against me in line with the DPIIT order and provisions of the Bidding Documents.

That I agree to maintain the following information in the Company's record and shall make this available for verification to any statutory authority.

The particulars/details of Local Content are as under:

- i. Name and details of the Local Supplier
(Registered Office, Manufacturing unit location, nature of legal entity)
.....
- ii. Goods/services/works for which this declaration/affidavit is produced
.....
- iii. Procuring entity to whom this declaration/affidavit is furnished
.....
- iv. Percentage of local content declared/certified
.....

(Note: The Bidders offering imported products will fall under the category of Non-local suppliers. They can't claim themselves as Class-I local supplier/ Class-II local supplier by claiming profit, warehousing, marketing, logistics, freight etc. as local value addition.)

For and on behalf of..... (Name of firm/entity)

Authorized signatory

<Insert Name, Designation and Contact No.>

2. Declaration regarding Land Border Sharing Countries**(On Letter Head)**

“I have read the tender document no. Along with clause regarding restriction on procurement from a bidder of a country which shares a land border with India in accordance with the Govt. of India notification no. 6/18/2019-PPD(Public Procurement No.1) dated: 23.07.2020 and no. 6/18/2019-PPD(Public Procurement No.2) dated: 23.07.2020 by Ministry of Finance. Accordingly, I hereby certify that

“this bidder is not from such a country and is eligible to be considered”	
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Or

“this bidder is from such a country but is registered with the competent authority and the related document is attached and thus eligible to be considered”	
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Or

“this bidder is from such a country but to this country, Govt. of India extended lines of credit notified by Ministry of External Affairs and the related document is attached and thus eligible to be considered”	
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[Tick or write ‘YES’ in the appropriate box]

(Bidder for the purpose of this order (including the term ‘tenderer’, ‘consultant’, ‘vendor’ or ‘service provider’ in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial judicial person not falling in any of the descriptions of bidders started herein before, including any agency, branch or office controlled by such persons, participating in a procurement process.)

Authorized signatory**Name:****Designation:****Contact No:****Email Id:****Other details:**

3. Bidder Information Form

[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: [insert date (as day, month and year) of Bid Submission]

Tender No.: [insert number from Invitation for bids]

Page 1 of _____ pages

1. Bidder's Legal Name[insert Bidder's legal name]
2. In case of JV, legal name of each party: [insert legal name of each party in JV]
3. Bidder's actual or intended Country of Registration: [insert actual or intended Country of Registration]
4. Bidder's Year of Registration: [insert Bidder's year of registration]
5. Bidder's Legal Address in Country of Registration: [insert Bidder's legal address in country of registration]
6. Bidder's Authorized Representative Information Name: [insert Authorized Representative's name] Address: [insert Authorized Representative's Address] Telephone/Fax numbers: [insert Authorized Representative's telephone/fax numbers] Email Address: [insert Authorized Representative's email address]
7. Attached are copies of original documents of: [check the box(es) of the attached original documents] Articles of Incorporation or Registration of firm named in 1, above.

Signature of Bidder.....

Name.....

Business Address.....

4. CODE OF INTEGRITY FORM**Format for declaration by the Bidder for Code of Integrity & conflict of interest**
(On the Letter Head of the Bidder)

Ref. No: _____

Date

To,

(Name & address of the Purchaser)

Sir,

With reference to your Tender No. _____ dated _____

I/We, _____ hereby declare that we shall abide by the Code of Integrity for Public Procurement as per General Financial Rules 2017 (Rule 175) and have no conflict of interest.

The details of any previous transgressions of the code of integrity with any entity in any country during the last three years or of being debarred by any other Procuring Entity are as under:

- a.
- b.
- c.

We undertake that we shall be liable for any punitive action in case of transgression/contravention of this code.

Thanking you,

Yours sincerely,

Signature
(Name of the Authorized Signatory)
Company Seal

5. COMPLIANCE/DEVIATION STATEMENT FORM

An item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications.

ITEM NAME			
Sl.No.	Tender Specifications/Parameters/Requirements	Bidder's Specifications	Remarks/Deviation If any
	(Note: Here technical as well as other requirements/parameters may also be included for this evaluation sheet)		

(Technical literature/brochures/manuals should be attached along with this format)

Please note:

1. Compliance/Deviation statement comparing the specifications of the quoted model to the required specifications. This statement should also give the page number(s) of the technical literature where the relevant specification is mentioned.
2. Bids may have supporting documents (technical literature or copies of relevant pages from the service manual or factory test data) for all the points noted above.

6. BID SECURING DECLARATION FORM

Date: _____

Bid No. _____

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

(a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or

(b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown) in the capacity of (insert legal capacity of person signing the Bid Securing Declaration).

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of : (insert complete name of Bidder)

Dated on _____ day of _____ (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)