

Bid Document

Bid Details	
Bid End Date/Time	18-12-2021 17:00:00
Bid Opening Date/Time	18-12-2021 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Heavy Industries And Public Enterprises
Department Name	Department Of Heavy Industry
Organisation Name	Bharat Heavy Electricals Limited (bhel)
Office Name	Boiler Auxiliaries Plant Ranipet
Total Quantity	1
Item Category	Rubber Hose flexible for Dadri (Q3) ()
Years of Past Experience required	1 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC),Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	Yes
RA Qualification Rule	50% Lowest Priced Technically Qualified Bidders
Time allowed for Technical Clarifications during technical evaluation	2 Days
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
----------	----

ePBG Detail

Required	No
----------	----

Splitting

Bid splitting not applied.

MII Purchase Preference

MII Purchase Preference	Yes
-------------------------	-----

MSE Purchase Preference

MSE Purchase Preference	Yes
-------------------------	-----

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

2. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

3. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

4. Reverse Auction would be conducted amongst first 50% of the technically qualified bidders arranged in the order of prices from lowest to highest. Number of sellers eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L-1 to L-4). In case number of technically qualified bidders are 2 or 3, RA will be between all without any elimination. If Buyer has chosen to split the bid amongst N sellers, then minimum N sellers would be taken to RA round. In case Primary products of only one OEM are left in contention for participation in RA based on lowest 50% bidders qualifying for RA, the number of sellers qualifying for RA would be increased to get at least products of one more OEM (directly participated or through its reseller) if available. Further, if bid(s) of any seller(s) eligible for MSE preference is / are coming within price band of 15% of Non MSE L-1 or if bid of any seller(s) eligible for Make in India preference is / are coming within price band of 20% of non MII L-1, then such MSE / Make in India seller shall also be allowed to participate in the RA process.

Rubber Hose Flexible For Dadri (1 set)

(Minimum 50% Local content required for MII compliance)

Brand Type	Unbranded
------------	-----------

Technical Specifications

Buyer Specification Document	Download
------------------------------	--------------------------

Additional Specification Documents

DrawingDocument1	View
------------------	----------------------

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Mnager, Stores-BHEL	,NTPC Dadri, Gautam Buddha Nagar	1	30

Buyer added Bid Specific Additional Scope of Work

S.No.	Document Title	Description	Applicable i.r.o. Items
1	NIT View	NIT	Rubber Hose Flexible For Dadri(1)
2	Tech Spec View	Technical Specification	Rubber Hose Flexible For Dadri(1)
3	Quality COmmon Terms View	Quality COmmon Terms	Rubber Hose Flexible For Dadri(1)
4	Quality Blank Format View	Quality Blank Format	Rubber Hose Flexible For Dadri(1)
5	MIl View	MIl	Rubber Hose Flexible For Dadri(1)

The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are

Buyer Added Bid Specific Terms and Conditions

1. Generic

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address BHEL Site stores manager Site incharge NTPC Dadri Gautambuddha nagar Uttar Pradesh.

2. Generic

After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 7 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 5 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing- the delivery period shall be refixed without LD for the period of delay in approval of Drawing.

3. Generic

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- a. Copy of PAN Card.
- b. Copy of GSTIN.
- c. Copy of Cancelled Cheque.
- d. Copy of EFT Mandate duly certified by Bank.

4. Generic

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

5. Generic

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

6. Generic

1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally

liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

7. **Generic**

The seller is required to print logo as per buyer's requirement.

8. **Inspection**

Nominated Inspection Agency: On behalf of the Buyer organization, any one of the following Inspection Agency would be conducting inspection of stores before acceptance:

Pre-dispatch Inspection at Seller Premises (applicable only if pre-dispatch inspection clause has been selected in ATC): AIA TPI thru CQIR portal of BHEL

Post Receipt Inspection at consignee site before acceptance of stores: By BHEL

9. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Only supply of Goods

10. **Purchase Preference (Centre)**

Purchase Preference linked with Local Content (PP-LC) Policy:

The bid clause regarding "Preference to Make In India products" stands modified in this bid and shall be governed by the PPLC Policy No. FP-20013/2/2017-FP-PNG dated 17.11.2020 issued by MoP&NG as amended up to date. Accordingly, bidders with Local Content less than or equal to 20% will be treated as "Non Local Supplier". The prescribed LC shall be applicable on the date of Bid opening. Sanctions on the bidders for false / wrong declaration or not fulfilling the Local Content requirement shall be as per the PPLC policy. Further following additional provisions are added in the certification and verification of local content provision of the Preference to Make in India clause:

- i. In case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practicing cost accountant or practicing chartered accountant giving the percentage of local content is also acceptable.
- ii. Along with Each Invoice: The local content certificate (issued by statutory auditor on behalf of procuring company) shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.
- iii. The bidder shall submit an undertaking from the authorized signatory of bidder having the Power of Attorney along with the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.

11. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

Note:

1. Quote shall be in INR only
2. Relevant documents/formats are attached in Additional scope of GeM bid.
3. Quoted rate shall be inclusive of GST, as per GeM terms and condition.
4. Non Submission of PQR documents attracts for offer rejection.

List of documents to be attached (signed stamped copy):

1. Technical Specification and NIT

2. QAP (Format attached)-Bidder to provide filled format. In case of Non Availability of bidder format,

sample QP may be attached after signed and stamped.

3. Filled-in Make in India declaration on Letter head (format attached)
4. Udyam portal registration copy if MSME bidder (Otherwise treated as Non-MSME)
5. Storage instruction, handling instruction and transit instruction, if any.

Payment: Within 90 days (45 days for MSE) thru NEFT after receipt and acceptance of material based on site acknowledgement copy and GST complianced invoice.

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---



BHARAT HEAVY ELECTRICALS LIMITED

BAP – Ranipet, 632406

M M – PURCHASE Department (FGD)

NIT

BHEL Ranipet Enq for.: Flexible rubber hose

Date: 02-12-2021

Sub: Supply of Flexible rubber hose as described below and as per technical specification REF: DAD: FLX-HOSE REV: 00 dt 19-11-2021.

Scope of supply: As tabulated below.

Sl	Material Code / Description	Qty Set
1	RFW114890001: DN50 Double sided flanged flexible rubber hose length 1000 mm	1
2	RFW114890002: DN100 Double sided flanged flexible rubber hose length 500 mm	3
3	RFW114890003: DN100 Single sided flanged flexible rubber hose length 1600 mm	3
4	RFW114890004: DN50 flexible rubber hose length 2000 mm	1
5	RFW114890005: DN50 flexible rubber hose length 3500 mm	3
6	RFW114890006: DN50 flexible rubber hose length 4500 mm	2

Destination: Stores BHEL, Site Incharge, BHEL Site NTPC Dadri

Delivery required date: 30-12-2021 or within 1 months from the date of manufacturing clearance/ Approval, whichever is later.

Bidder to quote the best possible delivery from the date of manufacturing clearance.

Technical requirement

- (a). **Manufacturing: Document Submission**-Drawing, Data sheet and quality plan shall be submitted within 1 weeks upon ordering for approval by BHEL. **Manufacturing clearance** will be provided upon approval of drawing with data sheet and QAP. Manufacturing shall be as per attached technical specification in the bid, Approved drawing, Quality plan and Data sheet. **Inspection:** as per Cl (b) below stated. **Dispatch Clearance:** Upon submission of inspection reports along with test certificates in original and Packing list dispatch clearance will be provided by BHEL.
- (b). **Inspection:** Inspection (call to be raise by supplier at BHEL CQIR portal) before despatch at supplier's works (asper Quality terms and Quality plan) by BHEL/ authorised agency (TPI-Third Party Inspection) for indigenous supplies at BHEL cost. Inspection includes for painting and packing also, as applicable. All the Test and inspection reports shall be sent to BHEL-Ranipet for review and dispatch clearance.
- (c). **Packing requirement:** Packing shall be waterproof and inline with the technical specification. The material code with description & Supplier name shall be marked on the packing and to be dispatch to destination as above.

(d). **Documents:** Accepted IR copy along with relevant test certificates (in original) before despatch to be given to BHEL. This is required for Dispatch clearance.

(e). **Reverse Auction** shall be conducted,

Note:

1. Quote shall be in INR only
2. Relevant documents/ formats are attached in Additional scope of GeM bid.
3. Quoted rate shall be inclusive of GST, as per GeM terms and condition.
4. Non Submission of PQR documents attracts for offer rejection.

List of documents to be attached (signed stamped copy):

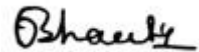
1. Technical Specification and NIT
2. QAP (Format attached)-Bidder to provide filled format. In case of Non Availability of bidder format, sample QP may be attached after signed and stamped.
3. Filled-in Make in India declaration on Letter head (format attached)
4. Udyam portal registration copy if MSME bidder (Otherwise treated as Non-MSME)
5. Storage instruction, handling instruction and transit instruction, if any.

For any query: Kindly provide the "Hose Dadri" in the subject of mail.

mail: ckbharti@bhel.in; vjm@bhel.in

Ph: 9488 58 9287 / 7010 75 1675

You may raise the query through GeM also.



02-12-2021

Chandan Kumar Bharti
Sr Er-Purchase/MM, BHEL-BAP, Ranipet-632406
e-mail: ckbharti@bhel.in, Ph: 7010 75 1675 / 9488 58 9287



TECHNICAL SPECIFICATION FOR FLEXIBLE RUBBER
HOSE

REF:DAD:FGD:FLX-HOSE

REV 00



BHARAT HEAVY ELECTRICALS LIMITED
(A GOVT OF INDIA UNDERTAKING)

Flue Gas Desulphurization Group-FGD,
Boiler Auxiliary Plant (BAP), -Ranipet

TECHNICAL SPECIFICATION FOR FLEXIBLE RUBBER HOSE

SPECIFICATION NO : DAD:FGD:FLX-HOSE:REV00
BUYER (EPC) : BHEL, BAP Ranipet
APPLICATION : WET LIMESTONE FGD
END CUSTOMER : NTPC
PROJECT : DADRI 2X490 MW

00	19-11-2021	Fresh issue	<i>Jyotish Kumar Patel</i> Jyotish Kumar Patel	<i>Shanmuga Sundaram S</i> Shanmuga Sundaram S	<i>V.Kesavan</i> V.Kesavan
REV	Date	Description	Prepared	Checked	Approved

This document is meant for the exclusive purpose of bidding against this specification and shall not be transferred, reproduced or otherwise used for purposes other than that for which it is specifically issued.

CONTENTS

1. Project Information
2. Scope of Supply
3. Applicable Codes and Standards
4. Qualification Requirement
5. Technical Requirements
6. Inspection and Testing
7. Warranty
8. Packing
9. Documentation

1. PROJECT INFORMATION:

The Project Site details are given below:

1.1 LOCATION AND APPROACH

Place : Dadri
District : Gautam Buddha Nagar
State : UP

2. SCOPE OF SUPPLY

This specification covers the manufacture, inspection, testing, and supply of Flexible rubber hoses for Wet Limestone Based FGD application to NTPC Dadri 2X490 MW. These hoses are used for transferring the condensate (40% Sulfuric Acid) from the FGD outlet duct to Condensate Collection seal pot.

3. APPLICABLE SPECIFICATIONS AND STANDARDS:

Design, Manufacturing, Inspection and Testing of the hose shall conform to the latest applicable Indian / British / American/International Standards.

IS 7654 : Specification for Rubber Hose for Chemicals

4. QUALIFICATION REQUIREMENT:

- a) Vendor shall be a manufacturer of Flexible Rubber Hoses. Supporting documents like MSME certificate, ISO certificate, Certificate of Incorporation shall be submitted.
- b) At least two unpriced PO copies of previously supplied Rubber hoses for similar chemical applications shall be provided by the vendor as proof of experience.

5. TECHNICAL REQUIREMENTS

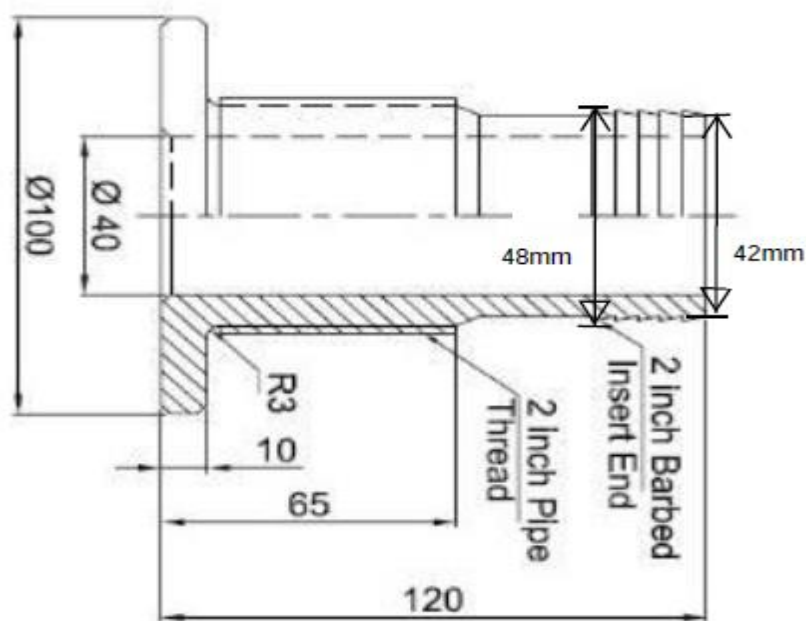
All hoses shall meet the Duty condition mentioned in the Specification. The lining shall consist of a suitable rubber compound resistant to chemicals for which the hose is to be used. The textile reinforcement shall be provided by Natural or man-made fibre, fabric or yarn. The cover shall consist of a suitable rubber compound resistant to chemicals for which the hose is to be used. The lining and cover shall be of uniform thickness, reasonably concentric and free from air blisters, porosity and splits. The Hose material shall be made of Natural Rubber/Neoprene. The fabric/Reinforcement shall be made of High Strength Synthetic Cords. Hose shall remain in round shape while stacking in Horizontally lying position.

5.1 HOSE BOQs:

The following size and quantity of Hoses are required:

S.No	Type	Size(NB)	Length(mm)	Qty(Nos)
1	Double side flanged flexible hose	50	1000	1
2	Double side flanged flexible hose	100	500	3
3	One side flanged flexible hose #	100	1600	3
4	Flexible Hose **	50	2000	1
5	Flexible Hose **	50	3500	3
6	Flexible Hose **	50	4500	2

** These hoses shall be suitable for inserting into the drain nipple whose details are given below. The Hose ID shall be suitable for inserting into the 2" Barbed insert End. For each hose, 2 nos of circular hose clamps has to be provided for securing the hose to the drain nipple.



5.2 DUTY CONDITON:

- Both outside and inside of the Hoses shall be lined and the lining shall be suitable for acidic condition.
- Pressure rating - 1 bar
- Fluid Handled - 40% sulphuric acid @ 62 deg C
- Hose material - Natural rubber/Neoprene Rubber. Material shall be suitable for fluid being handled.
- It should be possible to cut the hose to required length to suit site condition
- Flange holes shall be as per Class # 150 B 16.5 standard
- Length of the Hose Indicated in clause 5.1 may vary by +/-10%** and it will be informed during drawing approval stage after order. Vendor shall accept the same without any additional cost.

5.3 AMBIENT CONDITIONS:

The grade of material for hoses shall be such as to work satisfactorily in the following range of ambient conditions: -

Temperature: - 5° to 55°C

Relative humidity: - up to 90%

6. INSPECTION AND TESTING

The hoses shall be inspected & tested as per latest edition of relevant Indian/International standards. Inspection will be done by BHEL or its authorized agency. Material Test Certificates shall be submitted.

7. WARRANTY:

Warranty shall be 24 months from the date of Supply or 18 months from the date of commissioning whichever is earlier. During Warranty period, any defects noticed due to faulty material and workmanship, shall be rectified/replaced by vendor free of cost.

8. PACKING

- a) The finished material shall be packed and shipped to the destination only after dispatch clearance from BHEL QA and Purchase.
- b) Individual items shall be wrapped in a polythene hessian and the package shall be kept in a wooden box prior to dispatch. The packing shall contain adequate cushioning to prevent damage during transit and storage. Each hose shall be tagged with hose size, length, fittings etc. in such a way that it is visible without removing individual packing.
- c) Each box shall be labelled regarding its content along with Purchase Order Details, PO. Item no., destination and dispatchers address.
- d) Hose shall be rigid enough so that circular shape shall not deform during storing, transport and stacking of material at Site.

9. DOCUMENTATION

A) DOCUMENTS TO BE ENCLOSED ALONG WITH THE OFFER

- a. Compliance to the Specification (Complete Specification with Seal and Sign).
- b. Drawing and Datasheet of hose.
- c. Section View of the Hose showing the reinforcement and the details of reinforcement.
- d. Quality plan for the Rubber Hose.
- e. Deviation List, if any. Any deviation not mentioned in the deviation list by mentioned elsewhere in the Offer will not be considered.

**B) DATA TO BE FURNISHED BY THE VENDOR AFTER RECEIPT OF
PURCHASE ORDER**

- a. Datasheet and Drawing of the Hose including the Section view has to be Submitted for Purchasers Approval.
- b. Quality plan has to be submitted for Purchaser's Approval.
- c. Test Certificates, Compliance Certificate and Guarantee Certificate

ANNEXURE – I- LIST OF DEVIATIONS/EXCEPTIONS TO THE ENQUIRY DOCUMENT

S.no	Clause	Page	Description of Deviation

Note: Enlarge the table to incorporate items

SIGNATURE OF BIDDER -----

NAME -----

DESIGNATION -----

*(To be submitted In the company letter head by supplier)

Form - 1

Subject: Public Procurement (Preference to Make In india)

References:

- 1.P-45021/2/2017-B.E-II dated. 15th June-2017,
- 2.P-45021/2/2017-PP(BE-II) dated. 28th May-2018 ,
- 3.P-45021/2/2017-PP(BE-II) dated. 29th May-2019.
- 4.P-45021/2/2017-PP(BE-II) dated. 4th June-2020

We hereby declare with reference to above subject and references that M/s --
----- (Tick whichever is applicable as below)

"Class-I local supplier" meeting the requirement of minimum local content equal to 50%(fifty percent) or more defined in the above government notification for the goods and services (or)

"Class-II local Supplier" meeting the requirement of local content 20% to less than 50%(fifty percent) defined in the above government notification for the goods and services

Please mention the details against the following:

Enquiry no:----- dated. -----

Type of Supplier (Class-I/Class-II)

Product:-----

Project:.....

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

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.

Authorized Signature M/s _____

(Signature and seal)

Place:.....

Date:.....

From.

M/s _____

Address: _____

Form – 2

I/we are bidder from _____ (Address with country). We do not belong to any of the below category mentioned.

1. Any of entity/office/workshop of your organisation/incorporation, established in a country sharing land border with India, If yes, provide the full address of all such locations.
2. Any of subsidiary of your organisation/incorporation, established in a country sharing land border with India, If yes, provide the full address of all such locations.
3. Any of entity/office/workshop of your organisation/incorporation, controlled in a country sharing land border with India, If yes, provide the full address of all such locations.
4. Any of entity whose beneficial owner is situated in a country sharing land border with India, If yes, provide the full name, address of all such locations.
5. Any Indian Agent available, If so, Provide details of address and contacts.
6. Any employee/directors who is/are citizen of country sharing land border with India, If yes, provide the full name, employee code and address of all such locations.
7. Any of consortium/joint venture of your organisation/incorporation, established in a country sharing land border with India, If yes, provide the full address of all such locations.

Meaning of beneficial owner

- 1) In case of a company or limited liability partnership, beneficial owner is the natural person, who, whether acting alone or together, or through one or more judicial person, has a controlling ownership interest or who exercises control through other means.

Explanation

- a) Controlling ownership interest means ownership of or entitlement to more than twenty-five percent of shares or capital or profits of the company.
- b) “control” shall include the right to appoint majority of the directors or to control the management rights or shareholder’s agreement or voting agreement.
- 2) In case or a partnership firm the beneficial owner is the natural person (s) who whether acting alone or together or through one or more judicial person, has ownership of the entitlement to more than fifteen percent of capital or profits of the partnership.
- 3) In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together or through one or more judicial person, has ownership of the entitlement to more than fifteen percent of the property or capital or [profits of such association or body of individual.
- 4) Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official.
- 5) In case of a trust, the identification of beneficial owner (s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust and any other

***(To be submitted In the company letter head by supplier)**

natural person exercising the ultimate effective control over the trust through a chain of control of ownership.

- 6) An agent is a person employed to do any act for another, or to represent another in dealing with third person.

We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India, we hereby declare that we do not belongs to any such country and are eligible to be considered.

In case, any of information is found to be false, even after bid acceptance, immediate termination may happen and action will be taken as per law.

Format is being filled without altering any of the clause mentioned in the given format**

Dated: _____

Authorised Sign and stamp_____

567140/2021/BAP-QA		MANUFACTURER'S NAME & ADDRESS		MANUFACTURING QUALITY PLAN			PROJECT: MAIN CONTRACTOR: M/s BHEL-RANIPET PO NO:					
Manufacturer – Logo		MECH ADDRESS		Item/subsystem:		QP NO: Rev: Date: Page:						
SL NO 1	COMPONENT & OPERATION 2	CHARACTERISTICS 3	CLASS 4	TYPE OF CHECK 5	QUANTUM OF CHECK 6 M B/C		REFERENCE DOCUMENT S 7	ACCEPTANCE NORMS 8	FORMAT OF RECORD 9 D	AGENCY 10 M B C		REMARKS 11

RAW MATERIAL INSPECTION											
1	CHEMICAL COMPOSITION MECHANICAL PROPERTIES SURFACE EXAMINATION	MAJOR	CHEMICAL ANALYSIS	1 SAMPLE / HEAT		MTC	✓	P	V	V	NO REPAIR WELDING IS PERMITTED ON CI AS CAST / PUNCHED HEAT NO SHALL BE PROVIDED FOR CORRELATION
		MAJOR	TENSILE TEST	1 SAMPLE / HEAT		MTC	✓	P	V	V	
		MAJOR	VISUAL INSPECTION	100%		IR	✓	P	V	V	
		QP FORMAT									
2	CHEMICAL COMPOSITION	MAJOR	CHEMICAL ANALYSIS	1 SAMPLE / HEAT		MTC	✓	P	V	V	
	MECHANICAL PROPERTIES	MAJOR	TENSILE TEST & HARDNESS	1 SAMPLE / HEAT		MTC	✓	P	V	V	
	HEAT TREATMENT (As applicable)	CRITICAL	REVIEW OF TIME- TEMP CHART	100%		HT CAHRT	✓	P	V	V	
3	SURFACE EXAMINATION	MAJOR	VISUAL INSPECTION	100%		IR		P	V	V	
	CHEMICAL COMPOSITION	MAJOR	CHEMICAL ANALYSIS	1 SAMPLE / HEAT		MTC	✓	P	V	V	
	MECHANICAL PROPERTIES	MAJOR	TENSILE TEST	1 SAMPLE / HEAT		MTC	✓	P	V	V	

M – Manufacturer / Subcontractor, B – MAIN CONTRACTOR/ BHEL /BHEL Authorized Inspection Agency, C- Customer / Customer Authorized Inspection Agency, P – Perform, V – Verification of reports, W – Witness, TC – Test certificate, DR – Dimensional report. * Record, identified with “tick” (✓) under column ‘D’ shall be submitted to customer as a QA documentation package.	Prepared by	Reviewed by	Approved by

567140/2021/BAP-QA
Manufacturer –
Logo

MECH
Manufacturer's NAME &
ADDRESS

MANUFACTURING QUALITY PLAN
Item/subsystem:

PROJECT:
MAIN CONTRACTOR: M/s BHEL-RANIPET
PO NO:

SL NO 1	COMPONENT & OPERATION 2	CHARACTERISTICS 3	CLASS 4	TYPE OF CHECK 5	QUANTUM OF CHECK 6 M B/C	REFERENCE DOCUMENT S 7	ACCEPTANCE NORMS 8	FORMAT OF RECORD 9 D	AGENCY 10 M B C	REMARKS 11
------------	-------------------------------	----------------------	------------	--------------------	--------------------------------	------------------------------	-----------------------	-------------------------	-----------------------	---------------

	SOUNDNESS	CRITICAL	VISUAL INSPECTION	100%	UT Report	✓	P	V	V	FOR BAR DIA.≥50 MM ONLY
4					MTC	✓	P	V	V	
					MTR	✓	P	V	V	

QP FORMAT

IN PROCESS INSPECTION										
5	DIMENSIONAL	MAJOR	MEASURE			✓	P	V	V	
	HYDROSTATIC TEST OF CASTING	CRITICAL	PRESSURE TEST	100%		✓	P	W	V	SEE NOTE -1
6	DIMENSIONAL	MAJOR	MEASURE			✓	P	V	V	
	DYNAMIC BALANCING	CRITICAL	MEASURE	100%		✓	P	W	V	SEE NOTE-1
7	SOUNDNESS OF CASTING	MAJOR	NDT-DPT			✓	P	V	V	
	DIMENSIONAL	MAJOR	VISUAL			✓	P	V	V	
	SOUNDNESS	CRITICAL	ULTRASONIC TEST			✓	P	W	V	FOR SHAFT DIA>50 MM ONLY (EXCEPT THREADED PORTION) SEE NOTE-1
	DP TEST ON MACHINED AREA	MAJOR	DP TEST	100%		✓	P	V	V	
FINAL INSPECTION										

M – Manufacturer / Subcontractor, B – MAIN CONTRACTOR/ BHEL /BHEL Authorized Inspection Agency, C- Customer / Customer Authorized Inspection Agency, P - Perform, V - Verification of reports, W - Witness, TC - Test certificate, DR – Dimensional report. * Record, identified with “tick” (✓) under column ‘D’ shall be submitted to customer as a QA documentation package.	Prepared by	Reviewed by	Approved by

567140/2021/BAP-QA

Manufacturer – Logo

MECH

MANUFACTURER'S NAME & ADDRESS

MANUFACTURING QUALITY PLAN

Item/subsystem:

PROJECT:
MAIN CONTRACTOR: M/s BHEL-RANIPET
PO NO:

QP NO:
Rev:
Date:
Page:

SL NO 1	COMPONENT & OPERATION 2	CHARACTERISTICS 3	CLASS 4	TYPE OF CHECK 5	QUANTUM OF CHECK 6		REFERENCE DOCUMENT S 7	ACCEPTANCE NORMS 8	FORMAT OF RECORD 9 D	AGENCY 10			REMARKS KS
					M	B/C				M	B	C	

9	PUMP ASSEMBLY								IR	✓	P	V	V	
10	PERFORMANCE TEST WITH JOB								IR	✓	P	W	W	
									IR		P	W	W	
									IR		P	W	W	
									IR		P	W	W	
11	NPSHR TEST								IR	✓	P	W	W	
12	PAINTING PACKING AND PRESERVATIONS								IR	✓	P	V	-	

INSPECTION NOTES:

a. Latest version of standards & Specification shall be applied.

b. Materials shall be procured in compliance to Functional Technical specification.

c. Gauges and measuring instruments with valid calibration only shall be used.

d. Inspection/Inspection waiver/approval by BHEL does not absolve Supplier's responsibility for conformity of the specification as per the terms of PO.

e. BHEL /BHEL Authorized representatives shall have the right to witness the necessary inspection and testing of goods mentioned in the PO.

f. In case of Vendor Drawing & Datasheet, it needs approval by BHEL Engineering.

g. This QP shall be read along with relevant PO, BHEL Specification / Approved Drawing/ Datasheet.

h. This QP is applicable for Mandatory supply also.

i. All other minor items, which are not cover under this QP, shall be manufactured inspected as per OEM (Original equipment Manufacturer)/BHEL standard practice and relevant standard. Relevant TC/COC will be submitted for the same.

M – Manufacturer / Subcontractor, B – MAIN CONTRACTOR/ BHEL /BHEL Authorized Inspection Agency, C- Customer / Customer Authorized Inspection Agency, P – Perform, V – Verification of reports, W – Witness, TC – Test certificate, DR – Dimensional report. * Record, identified with “tick” (✓) under column ‘D’ shall be submitted to customer as a QA documentation package.	Prepared by	Reviewed by	Approved by

Annexure to Enquiry no:		Date
Sl.No	BHEL / Customer Requirement	##Specific confirmations by the manufacture
1	Quality Plan Requirement:	
1a	MQP (Manufacturing Quality Plan) shall be submitted in attached format for BHEL/Customer review & approval. Typical MQP is attached for indicative purposes for guidance & use.	
1b	MQP shall invariably cover w.r.t Inward inspection including on Raw material Procurement, In process and Final inspection in elaborated way/details.	
1c	Bidder shall also to give specific confirmation that on need basis, their competent officials shall visit to BHEL/customer for finalization of Quality plan including test procedure/methodology during preaward / post award approval / detailed engineering in the event of an order.	
1d	No deviation on BHEL/Customer approved MQP is acceptable.	
1e	Bidder shall agree to submit all cross referred documents other than codes/standards to BHEL/Customer/Consultant.	
2	Important Notes shall be included in MQP : (a) Latest revision of Standards & Specification shall apply. Only International Standards are applicable. Indian & Chinese Standards are not applicable. (b) Materials shall be procured in compliance to Functional Technical Specification. (c) Inspection shall be in compliance with Approved Quality Control Procedure for the Product. (d) NDT shall be carried out by Qualified Personnel with compliance to Approved NDT Procedures and Acceptance Norms, as per ASME Section V. (e) Gauges and measuring Instruments, with valid calibration only shall be used. (f) Cleaning and Painting of products shall be carried out as per Approved Painting Schedule. (g) Finished Products shall be packed to comply with Approved Packing Schedule. (h) Welding shall be carried out by Qualified Personnel with compliance to Approved NDT Procedures and Acceptance Norms, as per ASME Section V.	
3	Domestic / Inland Inspection will be carried out by BHEL/BHEL appointed Third Party Inspection Agency (TPIA) / Customer/Customer Appointed Inspection Agency/Consultant. This is applicable for all Stage inspection and Final Inspection identified as "W" - Witness or "CHP" - Customer Hold Point as per customer approved Quality Plan/ Technical specification / Approved Drawing/ Approved Data sheet / Scheme / PID / PFD / SLD (Process Instrumentation Diagram / Process Flow Diagram / Single Line Diagram) etc (As applicable). "The inspection charges at actuals incurred by BHEL will be loaded to compare with foreign suppliers".	
4	Inspection Agency for Foreign Bidders and also for Indian Bidder but importing from Foreign Sources: (1) Any one of the following Third Party Inspection Agency (TPIA) shall be appointed by the bidder and same shall be furnished by the bidder in techno commercial bid itself. (2) The details of TPIA with contact details like Name of the official, Phone no, Email id shall also to be submitted during pre/post award. However cost for such inspection agency shall be borne by the bidder only. Inspection charges for such inspection agency shall be indicated separately so that if BHEL/Customer is undertaking the inspection by on their own , then these charges non claimable by the bidder. List of TPIA (1). M/s Bureau Veritas, (2). M/s TUV-Nord, (3). M/s TUV-SUD, (4). M/s TUV Rheinland, (5). M/s Lloyds Register, (6). M/s SGS, (7). M/s Germanischer Lloyd, (8). M/s QUEST, (9). M/s Certification Engineers International, (10). M/s Intertek, (11). M/s IR Class Systems and Solutions, (12). M/s DNV, (13). M/s Fichtner, (14). M/s ABS Inspection Services.	
5	Stage Inspection during manufacturing Process : Stage Inspection during manufacturing shall be carried out as per approved quality plan and all necessary documents shall be provided for review, verification and clearance for further processing. This inspection call shall be given well in advance (atleast 2 weeks before) to TPI/Bidder's own inspection agency to avoid delay in the manufacturing processes.	
6	Inspection before despatch for domestic supplier : Inspection before despatch at supplier's works shall be carried out by BHEL/BHEL appointed Inspection agency. Inspection shall be done as per approved Quality plan/ Technical specification/ Approved Drawing/ Approved Data sheet .	

Sl.No	BHEL / Customer Requirement	##Specific confirmations by the manufacture
7	Inspection at Foreign Source/Supplier: (a) As in sl no: 3. shall be ensured without fail, (b) No materail / items shall be despatched without getting the written communication from BHEL / Customer inspection carried out by BHEL/BHEL apointed Third Party Inspection Agency (TPIA) / Customer/Customer Apointed Inspection Agency/Consulatnat. This is applicable for all Stage inspection and Final Inspection identified as "W" - Witness or "CHP" - Customer Hold Point as per customer approved Quality Plan/ Technical specification / Approved Drawing/ Approved Data sheet / Scheme / PID / PFD / SLD (Process Instrumentaion Diagram / Process Flow Diagram / Single Line Diagram) etc (As applicable). (c) Inspection before despatch at supplier's works shall be carried out by bidder appointed inspection agencies having international presence at vendors and or vendor's sub vendor works. Inspection shall be done as per approved Quality plan/ Technical specification/ Approved Drawing/ Approved Data sheet by TPIA mentioned in Sl no: 03 at supplier's cost.	
8	Painting shall be done strictly as per BHEL/Customer approved painting schedule / scheme only. Paint Thickness / Paint shade shall be ensured as per BHEL / Customer approved painting schedule / specification / data sheet etc. No deviation is acceptable unless otherwise accepted by BHEL/Customer in writing. Any conflict if any among BHEL / Customer approved painting schedule / Spec / data sheet etc shall be brought to the notice to BHEL well in adavnce before proceding including the BOI being procured for assy / skid like motors etc	
9	Specific conformation for document package in the event of an order (2 Hard copies & soft copy in PDF file) is to be given containing the following with proper linkages (i) Index Sheet, (ii) MQP/RQP/Endorsement Sheet (As applicable), (iii) TCs identfied by BHEL/ Customer for record for "CHP" / "W" and Verification portion ("V") as given in approved QP, (iv) Final inspection report + TC including Chemical + Mechnaical + HT + NDT etc, (v) Third party Inspection report + TC, (vi) Customer CHP/ MDCC, (vii) Type test / Performance Test reports conducted, (viii) Type test / Performance Test approval/ clearance obtained from BHEL/Customer, (ix) BOM with As Build Drgs with actual make / rating used with BHEL/customer approved drawings.	
10	Packing / Seaworthy Packing shall be as per BHEL Packing schedule / approved drg / sketch. This shall be ensured to take care tarnsit / handling / transhipment in Road / Sea / Air. Photographs are to be submitted for BHEL review before despatching the material as per contract conditions.	
10	Packing shall be as per BHEL Packing schedule / approved drg / sketch. This shall be ensured to take care tarnsit / handling / transhipment in Road / Sea / Air. Photographs are to be submitted for BHEL review before despatching the material as per contract conditions.	
11	Outsourcing of test facilities: Bidder shall ensure all the testing facilities in house. However If any of the test facilities are not available with successful bidder, then bidder shall ensure the same at NABL accreadted third party lab / Govt / Govt Lab for major testing such as NDT, Electrical & Mechanical testing.	
12	Important Note: No deviation on the above requirement 01 to 11 is acceptable w.r.t Quality Requirement and those offers not meeting these specific customer requirement is liable for rejection and hence the bidder shall submit all the required documentary evidences in the offer itself.	
13	## Necessorily to be filled up by the bidder at the time of offer itself otherwise the offer may not be considered w.r.t Quality Requirement being customer specific requirement.	

Bharat Heavy Electricals Limited
Ranipet-632406, India.
Quality Assurance(Mech)

DADARI: FLEXIBLE HOSE: 318

Dt. 29-11-2021

Item Name	Indent No	Indent Dt.	PGMA	Technical Specification
FLEXIBLE RUBBER HOSE	RFW11489	27.11.2021	FW715	REF:DAD:FGD:FLX-HOSE ,Rev:00, Dt: 19.11.2021

Project: DADARI

EMERGENCY CERTIFICATE FROM ENGINEERING, DATED: 27.11.2021

Following are Quality recommendations:

1. BHEL Approved source is acceptable.
2. Inspection at Supplier/Manufacturer works applicable by BHEL/ BHEL TPI as per BHEL approved MQP.
3. Vendor to submit MQP (Manufacturing Quality Plan) as per attached format for BHEL Review, checks in line with technical specification. Already NTPC approved latest MQP for similar application if available specific to Vendor may be shared for faster approval of QP.
4. All the items shall be inspected at Manufacturer works as per BHEL approved QP/Approved Drawing/Approved datasheet and Technical Specification.
5. Packing of items shall be as per BHEL Engg Approved Packing Drawing/Packing Specifications.
6. BHEL Authorized representatives shall have the right to witness the necessary inspection and testing of goods mentioned in the PO. The supplier shall inform BHEL in advance about the readiness of the goods for inspection and testing. Inspection / Inspection wavier / approval by BHEL does not absolve Supplier's responsibility for conformity of the specification as per the terms of PO. Material Test Certificates shall be submitted to BHEL.
7. Annexure 'Q' shall be part of enquiry File and shall be filled by Supplier with their duly sign and seal.
8. Supplier should be manufacturer not a trader/Agent.
9. **Vendor Quality Plan shall contain following Inspection Notes:**
 - a. Latest version of standards & Specification shall be applied.
 - b. Materials shall be procured in compliance to Functional Technical specification.
 - c. Gauges and measuring instruments with valid calibration only shall be used.
 - d. Inspection / Inspection wavier / approval by BHEL does not absolve Supplier's responsibility for conformity of the specification as per the terms of PO.
 - e. BHEL /BHEL Authorized representatives shall have the right to witness the necessary inspection and testing of goods mentioned in the PO.
 - f. In case of Vendor Drawing & Datasheet, it needs approval by BHEL Engineering.
 - g. This QP shall be read along with relevant PO, BHEL Specification / Approved Drawing/ Datasheet.

This is for your information and further necessary action at your end please.

Sd/- Rakesh Kr Madhu
Dy/Mgr-QA

Sd/- K Renjith
Mgr/QA