



Bharat Heavy Electricals Limited

(A Government of India Enterprise)
High Pressure Boiler Plant
Tiruchirappalli - 620 014

MATERIALS MANAGEMENT

4th Floor, 24 Bldg. HPBP BHEL, Trichy-620014

Phone: 0431 - 257 8109, 7446; E-mail: kevin@bhel.in, mohann@bhel.in; www.bhel.com

NOTICE INVITING e-TENDER

Ref: Bid No.: GEM/2021/B/1278266

11.06.2021

Subject: Two-part **e-Tender** inviting techno-commercial and price bid for supply of **Teflon Hoses for Pneumatic fittings of Coal Fired Thermal Power Plant / Bhusawal Unit-6 (660MW) project.**

General Instructions

- The tender documents shall be deemed to form an integral part of the purchase order.
- Tender can be cancelled at any stage due to unavoidable circumstances.
- Bidders are advised not to wait till the last minutes w.r.t tender closing time to submit their offer to avoid complications related with internet connectivity / network problem/ power failure etc.
- Bidders are advised take due care while quoting the technical and price bid. Bidders, those who tampers with tendering procedure affecting ordering process or misusing the technical information of the tender document or withdrawing their offer after price bid opening, will be penalized as per BHEL guidelines on suspension of business dealings with suppliers/ contractors. Abridged version of the guideline is available in www.bhel.com.
- It is advised that all the documents to be submitted are kept scanned or converted to PDF format in a separate folder on your computer before starting online submission.
- Prequalification of vendors will be as per the PQR document. It is mandatory to submit the PQR related documents; else the offer is liable, not be evaluated.
- DISCLAIMER CLAUSE: Neither Bharat Heavy Electricals Ltd nor the service provider for e-tendering is responsible for any failure of submission of bids, due to failure of internet or other connectivity problems or reasons thereof.
- Deviations, if any, may be indicated in the Sub-Delivery Enquiry Deviation Format.
- Document Submission after PO: Complete set of valid Documents as per BHEL format viz., Datasheet, GA drawing and QAP / RQP / VQP are to be submitted within 15 days from the date of receipt of PO (e-mail copy). If there is a delay in submission of valid documents within 15 days, the delay will be accounted for the calculation of LD.
- Inspection & testing requirements: Inspection and testing requirements are to be carried out as per the specification and BHEL/customer approved QAP and all test certificates are to be submitted in complete set as indicated in our specification /QAP. In case of Vendor QP the same shall be submitted for approval along with the offer.
- Customer approval of Bidder is applicable. Techno-commercially qualified Bidders will be asked to submit the credentials for customer approval. The Part-2 bids (Price bid) of the Bidder will be opened, subject to fulfilment of Pre-Qualification Requirement, successful techno-commercial (Part-1 bid) evaluation and Customer acceptance, based on the credentials.
- PAYMENT TERM: 100% payment will be released within ten (10) days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills unless otherwise specified in STC / ATC.
- In order to avail benefits as per MSE clause. Bidders have to upload the Udyam Registration certificate.

- LIQUIDATED DAMAGES: If the Seller/Service Provider fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the contract, the Buyer will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 0.5% of the contract value of delayed quantity per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value of delayed quantity without any controversy/dispute of any sort whatsoever.
- Any pre-bid query, kindly contact: Mr. Kevin Ark Kumar, Manager/Materials Management/BOI Tel: 0431-2578109, email: kevin@bhel.in; Mr. N Mohan, Asst./Engineer/Materials Management/BOI Tel: 0431-2577446, email: mohann@bhel.in and get your queries cleared before submitting the offer in EPS. Rates once quoted in the BoQ Excel format/online in the E-tendering Portal cannot be changed after due date and shall remain final

For **Bharat Heavy Electricals Limited**

Kevin Ark Kumar

Manager / Materials Management

Fourth floor, 24 Building

B.H.E.L., Tiruchirappalli – 620 014, Tamil Nadu

Phone: 0431-2578109 / Email: kevin@bhel.in

TECHNICAL CATALOGUE -1

- ITEM NAME:

TEFLON HOSES FOR PNEUMATIC TUBINGS / FITTINGS IN COAL FIRED
THERMAL POWER PLANT

- MATERIAL CODE:

L172719759203001

- DESCRIPTION:

1/4" TEFLON HOSE- 2 METER PER PIECE

1/4" TEFLON HOSE, SS DOUBLE BRAIDED, 2 METER PER PIECE WITH END
FITTING OF 1/4" BSP (F), BOTH ENDS WITH SWIVEL NUT.

- UNIT OF MEASUREMENT: NUMBERS (No.s)

- QUANTITY: 96 No.s

- TECHNICAL DOCUMENTS:

TECHNICAL SPECIFICATION: TDC:TCI:292/REV02

QUALITY PROCEDURE: VQP TO BE SUBMITTED

DRAWING: TO BE SUBMITTED

Bharat Heavy Electricals Limited
HIGH PRESSURE BOILER PLANT , TIRUCHIRAPPALLI 620 014.

TECHNICAL DELIVERY CONDITIONS
FOR SUB-DELIVERY COMPONENTS OF
CONTROLS AND INSTRUMENTATION

TDC:TCI:292/REV 02

PAGE 01 OF 02

FLEXIBLE HOSE

02	27-03-2019	General Revision	<i>John Selva</i> (SKS)	<i>NR</i> (NR)	<i>AV</i> (VA)	<i>T. Ganesan</i> (TK)
01	04-04-2017	General Revision	Sd/- (AB)	Sd/- (NR)	Sd/- (RMV)	Sd/- (TK)
00	17-11-2004	Initial Release	Sd/-	Sd/-	Sd/-	Sd/-
REV. NO.	DATE	DESCRIPTION	PREPARED	REVIEWED		APPROVED
				ENGG	QAC	

Cl. No.	Characteristics	Requirement	Vendor Compliance (Refer Note:2)
1.0	Application	To supply air to SADC power cylinder and to other instruments requiring instrument air	
2.0	Medium	Instrument Air	
3.0	Atmosphere	Corrosive, Dusty and Polluted	
4.0	Type	Flexible hose	
5.0	Material	Teflon hose plain PTFE	
6.0	Braiding	Double Braided with Stainless Steel wire	
7.0	Working Pressure	7 kg/cm ² (g)	
7.1	Test Pressure	15 kg/cm ² (g)	
7.2	Surrounding Temperature	260 °C	
8.0	End Connections	End fittings at both end with threaded swivel SS nut with flat seat, hydraulically crimped on the hose (refer enquiry for end connection size)	
9.0	inspection and testing	VQP	

TECHNICAL CATALOGUE -2

- **ITEM NAME:**

TEFLON HOSES FOR PNEUMATIC TUBINGS / FITTINGS IN COAL FIRED THERMAL POWER PLANT

- **MATERIAL CODE:**

L172719759203002

- **DESCRIPTION:**

1" TEFLON HOSE- 3 METER PER PIECE

1" TEFLON HOSE, SS DOUBLE BRAIDED, 3 METER PER PIECE WITH END FITTING OF 1" BSP(F), BOTH ENDS WITH SWIVEL NUT.

- **UNIT OF MEASUREMENT: NUMBERS (No.s)**

- **QUANTITY: 04 No.s**

- **TECHNICAL DOCUMENTS:**

TECHNICAL SPECIFICATION: TDC:TCI:292/REV02

QUALITY PROCEDURE: VQP TO BE SUBMITTED

DRAWING: TO BE SUBMITTED

Bharat Heavy Electricals Limited
HIGH PRESSURE BOILER PLANT , TIRUCHIRAPPALLI 620 014.

TECHNICAL DELIVERY CONDITIONS
FOR SUB-DELIVERY COMPONENTS OF
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TDC:TCI:292/REV 02

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00	17-11-2004	Initial Release	Sd/-	Sd/-	Sd/-	Sd/-
REV. NO.	DATE	DESCRIPTION	PREPARED	REVIEWED		APPROVED
				ENGG	QAC	

Cl. No.	Characteristics	Requirement	Vendor Compliance (Refer Note:2)
1.0	Application	To supply air to SADC power cylinder and to other instruments requiring instrument air	
2.0	Medium	Instrument Air	
3.0	Atmosphere	Corrosive, Dusty and Polluted	
4.0	Type	Flexible hose	
5.0	Material	Teflon hose plain PTFE	
6.0	Braiding	Double Braided with Stainless Steel wire	
7.0	Working Pressure	7 kg/cm ² (g)	
7.1	Test Pressure	15 kg/cm ² (g)	
7.2	Surrounding Temperature	260 °C	
8.0	End Connections	End fittings at both end with threaded swivel SS nut with flat seat, hydraulically crimped on the hose (refer enquiry for end connection size)	
9.0	inspection and testing	VQP	

TECHNICAL CATALOGUE -3

- **ITEM NAME:**

TEFLON HOSES FOR PNEUMATIC TUBINGS / FITTINGS IN COAL FIRED
THERMAL POWER PLANT

- **MATERIAL CODE:**

L172719759203003

- **DESCRIPTION:**

1/2" TEFLON HOSE- 1 METER PER PIECE

1/2" TEFLON HOSE, SS DOUBLE BRAIDED, 1 METER PER PIECE WITH END
FITTING OF 1/2" NPT(F), BOTH ENDS WITH SWIVEL NUT.

- **UNIT OF MEASUREMENT: NUMBERS (No.s)**

- **QUANTITY: 15 No.s**

- **TECHNICAL DOCUMENTS:**

TECHNICAL SPECIFICATION: TDC:TCI:292/REV02

QUALITY PROCEDURE: VQP TO BE SUBMITTED

DRAWING: TO BE SUBMITTED

Bharat Heavy Electricals Limited
HIGH PRESSURE BOILER PLANT , TIRUCHIRAPPALLI 620 014.

TECHNICAL DELIVERY CONDITIONS
FOR SUB-DELIVERY COMPONENTS OF
CONTROLS AND INSTRUMENTATION

TDC:TCI:292/REV 02

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00	17-11-2004	Initial Release	Sd/-	Sd/-	Sd/-	Sd/-
REV. NO.	DATE	DESCRIPTION	PREPARED	REVIEWED		APPROVED
				ENGG	QAC	

Cl. No.	Characteristics	Requirement	Vendor Compliance (Refer Note:2)
1.0	Application	To supply air to SADC power cylinder and to other instruments requiring instrument air	
2.0	Medium	Instrument Air	
3.0	Atmosphere	Corrosive, Dusty and Polluted	
4.0	Type	Flexible hose	
5.0	Material	Teflon hose plain PTFE	
6.0	Braiding	Double Braided with Stainless Steel wire	
7.0	Working Pressure	7 kg/cm ² (g)	
7.1	Test Pressure	15 kg/cm ² (g)	
7.2	Surrounding Temperature	260 °C	
8.0	End Connections	End fittings at both end with threaded swivel SS nut with flat seat, hydraulically crimped on the hose (refer enquiry for end connection size)	
9.0	inspection and testing	VQP	

PART-1 BID

PACKAGE DETAILS

Sl No.	MATLCD	DESCRIPTION	UNIT	QTY	QUOTED / NOT QUOTED
10	L172719759203001	1/4" TEFLON HOSE, SS DOUBLE BRAIDED, 2 METER PER PIECE WITH END FITTING OF 1/4" BSP (F), BOTH ENDS WITH SWIVEL NUT. TECHNICAL SPECIFICATION REF. TCI:292/02	No.	96.00	
20	L172719759203002	1" TEFLON HOSE, SS DOUBLE BRAIDED, 3 METER PER PIECE WITH END FITTING OF 1" BSP(F), BOTH ENDS WITH SWIVEL NUT TECHNICAL SPECIFICATION REF. TCI:292/02	No.	4.00	
30	L172719759203003	1/2" TEFLON HOSE, SS DOUBLE BRAIDED, 1 METER PER PIECE WITH END FITTING OF 1/2" NPT(F), BOTH ENDS WITH SWIVEL NUT TECHNICAL SPECIFICATION REF. TCI:292/02	No.	15.00	

Note: The tender is floated as a single package. Partial offer will be rejected. Do not mention the prices here.

Pre-Qualification Requirement (PQR)

Teflon Hoses for Coal Fired Thermal Power Plant

- 1) Vendor should have supplied similar size of Teflon Hoses to power plant installations in India or abroad.

Documental evidence shall be furnished justifying the same.

- 2) Vendor should have executed orders equivalent in quantity with the current enquiry.

Vendor to confirm.

Vendor to submit the purchase order copies for review.

- Documents as specified in Point -1&2 are to be mandatorily submitted for PQR evaluation.
- Kindly note that without PQR documents, the technical offer will not be evaluated.

Bharat Heavy Electricals Limited
HIGH PRESSURE BOILER PLANT , TIRUCHIRAPPALLI 620 014.

TECHNICAL DELIVERY CONDITIONS
FOR SUB-DELIVERY COMPONENTS OF
CONTROLS AND INSTRUMENTATION

TDC:TCI:292/REV 02

PAGE 01 OF 02

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Cl. No.	Characteristics	Requirement	Vendor Compliance (Refer Note:2)
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7.0	Working Pressure	7 kg/cm ² (g)	
7.1	Test Pressure	15 kg/cm ² (g)	
7.2	Surrounding Temperature	260 °C	
8.0	End Connections	End fittings at both end with threaded swivel SS nut with flat seat, hydraulically crimped on the hose (refer enquiry for end connection size)	
9.0	inspection and testing	VQP	



429-024

**PURCHASE / MM / BOI
ENQUIRY DEVIATION**

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1 OF 1

**SCHEDULE OF DEVIATION TO
BOI ENQUIRY NO:**

GEM/2021/B/1278266

DATE

11.06.2021

DESCRIPTIONTEFLON HOSES FOR PNEUMATIC TUBINGS / FITTINGS IN
COAL FIRED THERMAL POWER PLANT**SPECIFICATION**

TDC:TCI:292/REV02

QUALITY PLAN

VQP (TO BE SUBMITTED)

PACKING PROCEDURE

VENDOR STANDARD

DATASHEET / DRAWING

DRAWINGS TO BE SUBMITTED

DOCUMENT REFERENCE**BHEL ENQ. CALLED FOR****FIRM'S ALTERNATIVE OFFER**CERTIFIED THAT OTHER THAN THE ABOVE DEVIATIONS, WE ARE ACCEPTING ALL THE OTHER
SPECIFICATIONS AND REQUIREMENTS IN FULL TO YOUR ENQUIRY.

STATION:

DATE:

SIGNATURE OF COMPANY REPRESENTATIVE

COMPANY SEAL

NOTE 1. Deviations should be taken only in the extreme case.

2. If necessary, use additional sheets with page control number.