



ADDITION TO ENQUIRY NO: 4011500013 DT. 28.11.2015

DATE: 10.12.15

IMPORTANT INFORMATION TO BIDDERS(ITB)

1. This Tender is a **TWO PART BID**. Type and quantum of work is detailed in "SCOPE OF WORK"
2. The quoted price shall be " FIRM " till the complete execution of the scope.
1. Last date for submission of offer **14.12.2015 - Time - 14.00 Hours.**
2. Techno-Commercial Bid (part-1) Opening Date **14.12.2015 - Time - 14.30 Hours.**

SCOPE OF WORK :**This requirement is in addition to Enquiry NO 4011500013 dt. 28.11.2015 sent to you earlier.**

BHEL requires the below mentioned quantity of IS 3589 Pipes with Painting as per given QP, Bhadradi -QP No:7259:QPC:12 Rev:01 dt. 10.07.2015 for Bhadradi Project and as per IS 3589 and TDC-TDG:07:06 dt. 04.05.2012 and to be delivered to Bhadradi project site. The raw material plate is to be arranged by suppliers themselves.

LIST OF ITEMS-

List of items have already been sent alongwith Enquiry earlier. The following item is an addition to the list of items sent earlier.

Sl No.	Item Description	Quantity in metres	Work Order Details	Full Quantity Tolerance	Basis of Evaluation	Project
100	Pipe Dia 2335 mm x 18 mm UG	280	P7279180468030	-2/+2 metres	Package 7	BHADRADRI

In the event of VAT applicability on the bidder, the differential VAT implication for BHEL will be loaded in the price calculation template of VAT supplier.

I. TECHNICAL and COMMERCIAL

For those bidders with whom MoU already exists, all techno – commercial terms shall be as per BHEL MoU. No deviation from the MoU is acceptable.

For those bidders who have not entered into MoU with BHEL, the MoU is attached. Such vendors are requested to affix their sign and seal on each page of the MoU as sign of acceptance. BHEL reserves the right to reject the bid if MoU is not accepted by the bidder.

II. PRICE :

The bidder shall provide the price strictly as per the price format annexed herewith.

- a. Base Price shall include Cost of Raw Material plus conversion cost per Meter of bare pipe including Edge Preparation and providing Spider Arrangement and Testing and Packing and Forwarding as per BHEL TDC : TDG : 07 : 06 Dt.04.05.12
- b. Painting charges shall be quoted extra as per the respective painting scheme attached, as indicated in the price format.
- c. Ordering shall be on Free on Road, FOR – BHADRADI Project Site.

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 Engineer - Purchase
 BHEL - Piping Centre
 Chennai - 600 017.

- d. Percentage of applicable Taxes, Duties, CESS, Service Tax on Transportation etc **and their applicability** shall be clearly indicated.
- e. Service Tax, if included in Freight or extra, shall be clearly indicated. Proof for the Payment of Service Tax shall be produced for the reimbursement of same.

LIST OF DOCUMENTS ENCLOSED ALONGWITH THIS ITB :

1. ENQUIRY NO. 4011500013 DT. 28.11.2015
2. Painting Quality Plan
 - QP Reference for BHADRADRI QP No:7259:QPC:12 Rev:01 dt. 10.07.2015
3. Techno Commercial MoU alongwith BHEL TDC : TDG : 07 : 06 Dt. 04.05.2012 & Drawings as below –
(already sent with Enquiry earlier)
Edge Preparation – 4-80-999-93079 rev :00 **(already sent with Enquiry earlier)**
Spider Arrangement - 4-80-999-93078 rev :00 **(already sent with Enquiry earlier)**
4. Techno-Commercial Checklist – **To be filled and sent in Technical Bid**
5. Price Format [**Unpriced version to be sent with technical bid, and Priced version in Price Bid**] –
(Sent for other sizes alongwith Enquiry earlier) - Unpriced format and priced format are being sent for Enq SI No. 100 alone.
6. **Integrity Pact (To be filled and submitted with Technical bid without fail. Your bid will be considered only after signing and submitting the Integrity pact.) – (Sent with Enquiry earlier.)**

The above documents form part of this tender document and bidder shall ensure that they have received all these along with tender and confirm.


INDEPENDENT EXTERNAL MONITOR (IEM) – This tender shall be monitored by IEM (Independent External Monitor). The details of IEM are as given below -

Shri D.R.S Chaudhary,
IAS (Retd.)
Flat No. L-202 & L-203 (1st Floor)
Ansal Lake View Enclave
Shamla Hills, Bhopal- 462 013 (M.P.)
dilip.chaudhary@icloud.com

For any clarifications on the Enquiry, kindly contact the following persons –

Mr. M.Thangaraj
Manager / Purchase
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Phone – 044-28161380

Mr. Abhishek Krishna Iyer
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TECHNO - COMMERCIAL CHECKLIST

A	COMMERCIAL	BHEL Terms	Vendor Confirmation
1	LIQUIDATED DAMAGES	<u>AS PER MOU</u> - "If the supplier fails to deliver the Raw material/Components/Equipments within the period specified in the contract the purchaser shall deduct Liquidated Damages , a sum equivalent to 0.5% of the price for each week of delay or part thereof up to a maximum of 10% of the price of undelivered portion to be reckoned from the contract delivery date to cargo readiness date. (i.e, Date of LR).	
2	Delivery	<u>AS PER MOU</u> - 4 Months from Date of PO	
3	REVERSE AUCTION	Confirmation to Reverse Auction for Price Evaluation	
4	SUPPLY FROM	TO INDICATE THE SUPPLY WORKS	
5	IMPORTANT INFORMATION TO BIDDERS	Confirmation to all points of Important Information to Bidders, enclosed with this Enquiry	
6	Integrity Pact	Submitted (or) Not Submitted	
7	MoU, TDC and EP/Spider drawings confirmation	Confirmation to supply as per BHEL techno-commercial MoU, TDC:TDG:07:06 dt. 14.05.12 and drawings regarding Edge Preparation and Spider Arrangement	
8	Confirmation to total Quantity tolerance as per page 1 of ITB	Confirmed / Not confirmed	
10,20	Pipe Dia 2743 x 20 mm OG – 25 metres & Pipe Dia 2743 x 20 mm UG – 50 metres	Quoted (or) Not Quoted	
30	Pipe Dia 3840 x 20 mm UG – 360 metres	Quoted (or) Not Quoted	
40	Pipe Dia 2032x18 mm OG – 75 metres	Quoted (or) Not Quoted	
50,60	Pipe Dia 2235x18 mm OG – 10 metres & Pipe Dia 2235 x 18 mm UG – 45 metres	Quoted (or) Not Quoted	
70,80	Pipe Dia 2743 x 20 mm OG – 20 metres & Pipe Dia 2743 x 20 mm UG – 60 metres	Quoted (or) Not Quoted	
90	Pipe Dia 3740 x 20 mm UG – 380 metres	Quoted (or) Not Quoted	
100	Pipe Dia 2335 x 18 mm UG – 280 metres	Quoted (or) Not Quoted	

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(BIDDER SEAL AND SIGNATURE)
 Name of Company –
 Contact Person –
 E-mail –
 Contact Number -

BHEL : PIPING CENTRE : CHENNAI - 17

Limited Tender No. 4011500013 Dt. 28.11.2015

PRICE FIXATION TEMPLATE - TO BE SUBMITTED WITH THE PRICED BID

ITEM DESCRIPTION : CW (IS 3589) Pipe Dia 2335 mm x 18 mm UG - 280 Meters - Despatch to Bhadradi Project Site

Work Order Details		P7279180468030
Item SI No	Tender Serial No ----->	100
Item Description ----->		PIPE DIA 2335 mm x 18 mm UG -280 Meters (LS/SPIRAL) IS3589-410 MPA TDC : TDG : 07 : 06 Bhadradi Project Site
Elements of Cost		Rate per Meter in INR
1	BASE PRICE including P & F :	Rate per Meter
	Painting Charges -Underground Piping	
	a. Internal - Epoxy based Zinc rich Primer -1 x 50 Microns - Primer Coat	Rate per Meter
2	b. Internal - Coal Tar Epoxy - 2 x 75 Microns - Finish Coat	Rate per Meter
	c. External - Red Oxide Zinc Phosphate - Alkyd base to IS 12744 - 1 x 30 Microns - Primer Coat	Rate per Meter
3	Excise Duty with Cess (in %age _____12.5%_____) (applicable on (1), (2a), (2b),(2c))	Rate per Meter
4	CST/VAT (in %age _____) (applicable on _____)	Rate per Meter
5	Freight Charges excluding service tax (up to Bhadradi Project site)	Rate per Meter
6	Service Tax, if and as applicable, on Freight (in %age _____)	in %age _____
7	Other Statutory Levies, if and as applicable (in %age _____) (applicable on _____)	in %age _____
8	Transit Insurance Charges by Vendor in INR to be quoted per meter	Rate per Meter
9	Unit All-inclusive price (Rate per Meter) (1+2a+2b+2c+3+4+5+6+7+8)	
10	Total Rate (Rate per Meter * Total Quantity) (9) * 280metres	

To be filled by bidder

Rates indicated at SI.10 above shall be used for arriving at L-1 bidder.

ABHISHEK KRISHNA IYER
Engineer - Purchase
BHEL - Piping Centre
Chennai - 600 017.

(BIDDER SEAL AND SIGNATURE)

BHEL : PIPING CENTRE : CHENNAI - 17

Limited Tender No. 4011500013 Dt. 28.11.2015

UNPRICED BID - TO BE SUBMITTED WITH THE TECHNICAL BID

ITEM DESCRIPTION : CW (IS 3589) Pipe Dia 2335 mm x 18 mm UG - 280 Meters - Despatch to Bhadradi Project Site

Work Order Details		P7279180468030	
Item SI No	Tender Serial No ----->	100	
Item Description ----->		PIPE DIA 2335 mm x 18 mm UG -280 Meters (LS/SPIRAL) IS3589-410 MPA TDC : TDG : 07 : 06 Bhadradi Project Site	
Elements of Cost		Rate per Meter in INR	
1	BASE PRICE including P & F :	Rate per Meter	QUOTED
2	Painting Charges -Underground Piping		
	a. Internal - Epoxy based Zinc rich Primer -1 x 50 Microns - Primer Coat	Rate per Meter	QUOTED
	b. Internal - Coal Tar Epoxy - 2 x 75 Microns - Finish Coat	Rate per Meter	QUOTED
	c. External - Red Oxide Zinc Phosphate - Alkyd base to IS 12744 - 1 x 30 Microns - Primer Coat	Rate per Meter	QUOTED
3	Excise Duty with Cess (in %age ____12.5%_____) (applicable on (1), (2a), (2b),(2c))	Rate per Meter	
4	CST/VAT (in %age _____) (applicable on _____)	Rate per Meter	
5	Freight Charges excluding service tax (up to Bhadradi Project site)	Rate per Meter	QUOTED
6	Service Tax, if and as applicable, on Freight (in %age _____)	in %age _____	
7	Other Statutory Levies, if and as applicable (in %age _____) (applicable on _____)	in %age _____	
8	Transit Insurance Charges by Vendor in INR to be quoted per meter	Rate per Meter	QUOTED
9	Unit All-inclusive price (Rate per Meter) (1+2a+2b+2c+3+4+5+6+7+8)		QUOTED
10	Total Rate (Rate per Meter * Total Quantity) (9) * 280metres		QUOTED

To be filled by bidder

Rates indicated at Sl.10 above shall be used for arriving at L-1 bidder.

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Engineer in Charge
BHEL - Piping Centre
Chennai - 600 017.



(BIDDER SEAL AND SIGNATURE)

SI. NO		PGMA / Description		Surface Preparation & Surface Profile		Primer coat		Intermediate coat		Finish coat		Total DFT Microns (Min.)	REMARKS				
						Primer	No of coats	Paint	Shade	No of coats	Paint			Shade	No of coats	Paint	Shade
<p align="center">PAINTING SCHEME FOR LP PIPING (CW / ACW / ECW / Plant water, Air Piping, etc...,) PROJECT NAME :- TSGENCO BHADRADRI TPS-4X270 MW BHEL CUSTOMER Nos : 7259, 7260, 7261, 7262, 7279</p>																	
<p align="center">BHARAT HEAVY ELECTRICALS LIMITED PIPING CENTRE, CHENNAI- 17 QUALITY ASSURANCE & CONTROL DEPT.</p>				<p align="right">QPNo: 7259:QPC:12 REV.NO: 01 Dt : 10.07.2015</p>													
1	2	(a) Internal Surface - CW Pipe (for pipe dia - 1000 mm and above)	Blast Cleaning SSPC-SP-10 SA 2½ (Refer Note 1)	Epoxy based Zinc rich Primer (Refer Note 2)	4	1	50 Microns (Min. per coat)	1	6	7	8	9	10	11	12	200 Microns (Refer Note 3)	13
1		(b) Holiday test (Refer Note 3)	Holiday testing by low voltage (75 Volts Min.) wet sponge Holiday detector or by High voltage (Voltage per micron of DFT is as recommended by Paint Manufacturer subjected to minimum of 5V / Micron). Holiday test Equipment to be calibrated before testing.														
2		External Surface of CW -Buried Piping / Encased in concrete (For pipe dia- 1000 mm and above) (Temporary Protection for transportation from works to site). **Further protection to be done by BHEL Erection Group as per Contract requirement.	SSPC-SP3 / Power Tool Cleaning	Red Oxide Zinc Phosphate (Alkyd base to IS-12744)	1	30 Microns per coat)										30 Microns	
3		External Surface (over ground piping) of CW, ACW. (For all diameters)	SSPC-SP3 / Power Tool Cleaning	Red Oxide - Zinc Phosphate (Alkyd base to IS: 12744)	2	25 Microns per coat)							3** (35 microns per coat) (2 at shop + 1 at site)	Smoke Grey (Shade No. 692 of IS: 5)	120 at shop + 35 at site	** 1 coat of DFT- 35 microns finish coat at site	
4		External Surface of ECW, Plant water (For all diameters)	SSPC-SP3 / Power Tool Cleaning	Red Oxide - Zinc Phosphate (Alkyd base to IS: 12744)	2	25 Microns per coat)							3** (35 microns per coat) (2 at shop + 1 at site)	Smoke Grey (Shade No. 692 of IS: 5)	120 at shop + 35 at site	** 1 coat of DFT- 35 microns finish coat at site	
5		Galvanised and Stainless steel Piping															No painting

Notes:

- Blast cleaning to near white metal to obtain roughness as per epoxy paint data sheet.
- Application of Epoxy based Zinc rich Primer, Coal Tar Epoxy shall be done as per manufacturer's data sheet / recommendation, meeting the thickness requirements as per this document.
- Witness by BHEL / BHEL nominated inspection agency.

For Customer use :


 PREPARED BY: VIVEKANANDA YELLU SOE / OA.

 APPROVED BY: AP MADHAVANKUTTY, AGM / Q.