

Ref No. : PE/PG/RTC/E-5555/2017/CORRIGENDA/02

Date: 22.04.2017

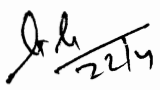
CORRIGENDA / ADDENDUM-02

SUBJECT: TENDER ENQUIRY FOR RATE CONTRACT OF FLOW ELEMENT NOZZLES AS PER TECHNICAL SPECIFICATION NO. PE-TS-20-145-1105B

OUR REF: TENDER ENQUIRY NO: PE/PG/RTC/E-5555/2017, DTD-05.04.2017

1. Please find reply to pre bid query at Annexure I enclosed
2. Please find Revised Datasheet enclosed
3. Please find Revised Price Schedule (Rev 01) enclosed. Kindly consider the same while quoting.

Thanking You,
With Regards,
For & on behalf of BHEL


SUMEET SAHAY
SR ENGINEER/CMM

SUMEET SAHAY
Sr. Engineer (PG-I-2)
भारत भारी इलेक्ट्रिकल्स लिमिटेड, भारत भारी इलेक्ट्रिकल्स लिमिटेड
Power Sector - Project Engineering Management
Plot No. 25, Sector - 16A, Noida-201 301

Please reply to:

**Sh Sumeet Sahay, Sr. Engineer
CMM**

Power Project Engineering Institute Building
HRD & ESI Complex Plot No. 25, Sector -16 A,
BHEL-PEM,Noida-201301 (U.P.)
Tel No.0120-4213532, 09999498202

ANNEXURE I TO CORRIGENDA 02 TO TENDER ENQUIRY NO: PE/PG/RTC/E-5555/2017, DTD-05.04.2017

Sr.no.	Document/ Reference	Specification	Queries	BHEL replies
1	Data Sheet	Pipe Line Data: Min.Available Straight Length-15D, Upstream: downstream 10:5.	The upstream & downstream min. available straight lengths is mentioned as 10D & 5D. Kindly confirm whether nozzle has to be welded between pipes of 10D & 5D or shorter lengths of say 3D & 3D is sufficient. Please clarify on the pipe lengths that will be free issued by BHEL. This length will significantly impact on pricing with respect to machining & transportation.	Straight length mentioned as 10D & 5D shall be ensured by BHEL for respective project.The Nozzle shall be welded in the branch pipe provided by BHEL after placement of order. The length of the branch pipe shall be approx. 8 x ID (ID_ Internal diameter of the pipe)
2	Corrigenda/ Addendum-01	Due Date: 27.04.2017	Considering the vast scope of tender with special pipe materials requiring special welding qualified personnel and complex logistics for collection of pipes, calibration of assembly and delivery to various project sites we require more time for compiling the costing for such a job, hence we request you to kindly provide extension to the due date for further 3 weeks i.e. till 18th May 2017	Please arrange to submit your offer by due date

[Handwritten Signature]

सुमीत साहय / SUMEET SAHAY
 वरिष्ठ अभियन्ता (पी. सी. ई-2) / Sr. Engineer (PG-I-2)
 भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
 पावर सेक्टर प्रोजेक्ट्स एवं इंजीनियरिंग प्रबंधन
 Power Sector - Project Engineering Management
 प्लॉट नं. -25, सेक्टर-16ए, नूजा-201 36-4
 Plot No. 25, Sector - 16A, Nuzga-201 36-4



ANNEXURE- I-A TO NIT REF NO-PE/PG/RTC/E-5555/2017, DTD-05.04.2017
RATE CONTRACT - PRICE SCHEDULE FOR FLOW ELEMENT NOZZLES (REV 01)

INDIGENOUS SUPPLIER

NAME OF VENDOR-

SL NO	PIPE SIZE (INCH)	ITEM DESCRIPTION			UNIT EX-WORKS PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL EX PRICE OF NOZZLES GIVEN AT SL NO-H OF COLUMN 9+18 (Rs X + Rs Y)	UNIT EX-WORKS PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL EX PRICE OF NOZZLES GIVEN AT SL NO-H OF COLUMN 9+18 (Rs X + Rs Y)	UNIT EX- WORKS PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL EX PRICE OF NOZZLES GIVEN AT SL NO-H OF COLUMN 9+18 (Rs X + Rs Y)	TOTAL EX- WORKS PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL EX PRICE OF NOZZLES GIVEN AT SL NO-H OF COLUMN 9+18 (Rs X + Rs Y)	ED (INCLUDING CESS) (IN %AGE)	CST @ % AGAINST FORM 'C' /E/II (IN %AGE)	FREIGHT CHARGES (INCLUDING SERVICE TAX) (IN %AGE OF TOTAL EX WORKS)	TOTAL F.O.R SITE PRICE (INR)	ORDERED QUANTITY	UNIT CALIBRATION PRICE IN PERCENTAGE OF TOTAL EX WORKS PRICE OF NOZZLES GIVEN AT SL NO-H OF COLUMN 9+18 (Rs X + Rs Y)	UNIT CALIBRATION PRICE IN PERCENTAGE OF TOTAL EX WORKS PRICE OF NOZZLES GIVEN AT SL NO-H OF COLUMN 9+18 (Rs X + Rs Y)	TOTAL CALIBRATION PRICE IN PERCENTAGE OF TOTAL EX WORKS PRICE OF NOZZLES GIVEN AT SL NO-H OF COLUMN 9+18 (Rs X + Rs Y)	TOTAL CALIBRATION PRICE (INR)	SERVICE TAX (IN %AGE)	TOTAL PRICE INCLUDING SERVICE TAX (INR)	TOTAL PRICE (INR)
1	2	3	4	5	6	7	8	9=5X7	10	11	12	13=9+10+11+12	14	15	16	17	18=14X16	19	20=18+19	21=13+20
A	SCHEDULE OF PRICES for Complete Nozzle assembly of nozzle material SS316, pipe material SA106GRB / SA106GRC with tappings and accessories like Root Valves (SS316) , Nipples (SS316) , Expanders (SS316) , Pressure Take off points etc																			
A.1	03" (80 NB)	DATASHEET NO. DS-1	NOS.	1	0.15000%	Derived	0.15000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	1	0.10000%	Derived	0.10000%	Derived	% TO BE QUOTED	Derived	Derived
A.2	04" (100 NB)		NOS.	7	0.15714%	Derived	1.10000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	5	0.06000%	Derived	0.30000%	Derived	% TO BE QUOTED	Derived	Derived
A.3	06" (150 NB)		NOS.	1	0.20000%	Derived	0.20000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	1	0.10000%	Derived	0.10000%	Derived	% TO BE QUOTED	Derived	Derived
A.4	08" (200 NB)		NOS.	2	0.25000%	Derived	0.50000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	1	0.10000%	Derived	0.10000%	Derived	% TO BE QUOTED	Derived	Derived
A.5	10" (250 NB)		NOS.	12	0.29167%	Derived	3.50000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	4	0.12500%	Derived	0.50000%	Derived	% TO BE QUOTED	Derived	Derived
A.6	12" (300 NB)		NOS.	1	0.40000%	Derived	0.40000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	1	0.20000%	Derived	0.20000%	Derived	% TO BE QUOTED	Derived	Derived
A.7	14" (350 NB)		NOS.	1	0.50000%	Derived	0.50000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	1	0.20000%	Derived	0.20000%	Derived	% TO BE QUOTED	Derived	Derived
A.8	16" (400 NB)		NOS.	35	0.60000%	Derived	21.00000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	10	0.18000%	Derived	1.80000%	Derived	% TO BE QUOTED	Derived	Derived
A.9	18" (450 NB)		NOS.	5	0.80000%	Derived	4.00000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	3	0.23333%	Derived	0.70000%	Derived	% TO BE QUOTED	Derived	Derived
A.10	20" (500 NB)		NOS.	7	1.02857%	Derived	7.20000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	5	0.24000%	Derived	1.20000%	Derived	% TO BE QUOTED	Derived	Derived
B	SCHEDULE OF PRICES for Complete Nozzle assembly of nozzle material SS316,pipe material SA335 P91,with tappings and accessories like Root Valves (SS316) , Nipples (SS316) , Expanders (SS316) , Pressure Take off points etc																			
B.1	06" (150 NB)	DATASHEET NO. DS-2	NOS.	1	0.60000%	Derived	0.60000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	1	0.10000%	Derived	0.10000%	Derived	% TO BE QUOTED	Derived	Derived
B.2	08" (200 NB)		NOS.	3	0.66667%	Derived	2.00000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	2	0.10000%	Derived	0.20000%	Derived	% TO BE QUOTED	Derived	Derived
B.3	10" (250 NB)		NOS.	4	0.70000%	Derived	2.80000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	1	0.20000%	Derived	0.20000%	Derived	% TO BE QUOTED	Derived	Derived
B.4	12" (300 NB)		NOS.	4	0.81187%	Derived	3.24748%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	2	0.15000%	Derived	0.30000%	Derived	% TO BE QUOTED	Derived	Derived
B.5	14" (350 NB)		NOS.	1	0.90000%	Derived	0.90000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	1	0.20000%	Derived	0.20000%	Derived	% TO BE QUOTED	Derived	Derived
C	SCHEDULE OF PRICES for Complete Nozzle assembly of nozzle material SS316, pipe material SA106GRC with tappings and accessories like Root Valves (SS316) , Nipples (SS316) , Expanders (SS316) , Pressure Take off points etc																			
C.1	14" (350 NB)	DATASHEET NO. DS-3	NOS.	1	0.70000%	Derived	0.70000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	1	0.20000%	Derived	0.20000%	Derived	% TO BE QUOTED	Derived	Derived
C.2	20" (500 NB)		NOS.	1	1.10000%	Derived	1.10000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	1	0.25000%	Derived	0.25000%	Derived	% TO BE QUOTED	Derived	Derived
C.3	22" (550 NB)		NOS.	2	1.30000%	Derived	2.60000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	1	0.25000%	Derived	0.25000%	Derived	% TO BE QUOTED	Derived	Derived
C.4	24" (600 NB)		NOS.	4	1.55000%	Derived	6.20000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	3	0.30000%	Derived	0.90000%	Derived	% TO BE QUOTED	Derived	Derived
D	SCHEDULE OF PRICES for Complete Nozzle assembly of nozzle material SS316,pipe material SA335 P22,with tappings and accessories like Root Valves (SS316) , Nipples (SS316) , Expanders (SS316) , Pressure Take off points etc																			
D.1	06" (150 NB)	DATASHEET NO. DS-4	NOS.	1	0.60000%	Derived	0.60000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	1	0.10000%	Derived	0.10000%	Derived	% TO BE QUOTED	Derived	Derived
D.2	08" (200 NB)		NOS.	1	0.60000%	Derived	0.60000%	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	1	0.10000%	Derived	0.10000%	Derived	% TO BE QUOTED	Derived	Derived

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ANNEXURE- I-B TO NIT REF NO-PE/PG/RTC/E-5555/2017, DTD-05.04.2017

RATE CONTRACT - PRICE SCHEDULE FOR FLOW ELEMENT NOZZLES (REV 01)

(FOREIGN SUPPLIER)

NAME OF VENDOR-

SL NO	PIPE SIZE (INCH)	ITEM DESCRIPTION	UOM	ORDERED QUANTITY	UNIT C & F PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL PRICE OF NOZZLES GIVEN AT SL NO-H OF COLUMN 9+14 INDIAN SEA PORT (MUMBAI)	UNIT C & F PRICE (DULY PACKED) INDIAN SEA PORT (CURRENCY)	TOTAL C & F PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL PRICE OF NOZZLES GIVEN AT SL NO-H OF COLUMN 9+14 INDIAN SEA PORT (MUMBAI)	TOTAL C & F PRICE (DULY PACKED) INDIAN SEA PORT (CURRENCY)	ORDERED QUANTITY	UNIT CALIBRATION PRICE IN PERCENTAGE OF TOTAL EX WORKS PRICE OF NOZZLES GIVEN AT SL NO-H OF COLUMN 9+14	UNIT CALIBRATION PRICE (CURRENCY)	TOTAL CALIBRATION PRICE IN PERCENTAGE OF TOTAL EX WORKS PRICE OF NOZZLES GIVEN AT SL NO-H OF COLUMN 9+14	TOTAL CALIBRATION PRICE (CURRENCY)	TOTAL PRICE (CURRENCY)
1	2	3	4	5	6	7	8	9=5X7	10	11	12	13	14=10X12	15=9+14
A		SCHEDULE OF PRICES for Complete Nozzle assembly of nozzle material SS316, pipe material SA106GRC with tappings and accessories like Root Valves (SS316), Nipples (SS316), Expanders (SS316), Pressure Take off points etc												
A.1	03" (80 NB)	DATASHEET NO. DS-1	NOS.	1	0.15000%	Derived	0.15000%	Derived	1	0.10000%	Derived	0.10000%	Derived	Derived
A.2	04" (100 NB)		NOS.	7	0.15714%	Derived	1.10000%	Derived	5	0.06000%	Derived	0.30000%	Derived	Derived
A.3	06" (150 NB)		NOS.	1	0.20000%	Derived	0.20000%	Derived	1	0.10000%	Derived	0.10000%	Derived	Derived
A.4	08" (200 NB)		NOS.	2	0.25000%	Derived	0.50000%	Derived	1	0.10000%	Derived	0.10000%	Derived	Derived
A.5	10" (250 NB)		NOS.	12	0.29167%	Derived	3.50000%	Derived	4	0.12500%	Derived	0.50000%	Derived	Derived
A.6	12" (300 NB)		NOS.	1	0.40000%	Derived	0.40000%	Derived	1	0.20000%	Derived	0.20000%	Derived	Derived
A.7	14" (350 NB)		NOS.	1	0.50000%	Derived	0.50000%	Derived	1	0.20000%	Derived	0.20000%	Derived	Derived
A.8	16" (400 NB)		NOS.	35	0.60000%	Derived	21.00000%	Derived	10	0.18000%	Derived	1.80000%	Derived	Derived
A.9	18" (450 NB)		NOS.	5	0.80000%	Derived	4.00000%	Derived	3	0.23333%	Derived	0.70000%	Derived	Derived
A.10	20" (500 NB)		NOS.	7	1.02857%	Derived	7.20000%	Derived	5	0.24000%	Derived	1.20000%	Derived	Derived
B		SCHEDULE OF PRICES for Complete Nozzle assembly of nozzle material SS316, pipe material SA335 P91 with tappings and accessories like Root Valves (SS316), Nipples (SS316), Expanders (SS316), Pressure Take off points etc												
B.1	06" (150 NB)	DATASHEET NO. DS-2	NOS.	1	0.60000%	Derived	0.60000%	Derived	1	0.10000%	Derived	0.10000%	Derived	Derived
B.2	08" (200 NB)		NOS.	3	0.66667%	Derived	2.00000%	Derived	2	0.10000%	Derived	0.20000%	Derived	Derived
B.3	10" (250 NB)		NOS.	4	0.70000%	Derived	2.80000%	Derived	1	0.20000%	Derived	0.20000%	Derived	Derived
B.4	12" (300 NB)		NOS.	4	0.81187%	Derived	3.24748%	Derived	2	0.15000%	Derived	0.30000%	Derived	Derived
B.5	14" (350 NB)		NOS.	1	0.90000%	Derived	0.90000%	Derived	1	0.20000%	Derived	0.20000%	Derived	Derived
C		SCHEDULE OF PRICES for Complete Nozzle assembly of nozzle material SS316, pipe material SA106GRC with tappings and accessories like Root Valves (SS316), Nipples (SS316), Expanders (SS316), Pressure Take off points etc												
C.1	14" (350 NB)	DATASHEET NO. DS-3	NOS.	1	0.70000%	Derived	0.70000%	Derived	1	0.20000%	Derived	0.20000%	Derived	Derived
C.2	20" (500 NB)		NOS.	1	1.10000%	Derived	1.10000%	Derived	1	0.25000%	Derived	0.25000%	Derived	Derived
C.3	22" (550 NB)		NOS.	2	1.30000%	Derived	2.60000%	Derived	1	0.25000%	Derived	0.25000%	Derived	Derived

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[illegible]

PERCENTAGE BREAKUP for RATE CONTRACT NOZZLE 2017-18																																
REV 01 DATED 22.04.17																																
SERVICE	I			II			III			IV			V			VI			Items to be included as additional requirement (applicable for any nozzle assembly of any line size as indicated in Column I to V)													
	DATASHEET NO. DS-1			DATASHEET NO. DS-2			DATASHEET NO. DS-3			DATASHEET NO. DS-4			DATASHEET NO. DS-5			DATASHEET NO. DS-6																
SL NO	A1			B1			C1			D1			E1			E8																
	PIPE SIZE (INCH)	SCHEDULE OF PRICES for Complete Nozzle assembly of nozzle material SS316, pipe material SA106GRB / SA106GRC with tappings and accessories like Root Valves (SS316) , Nipples (SS316) , Expanders (SS316) , Pressure Take off points etc (Ex-Works)	CALIBRATION CHARGES for Complete Nozzle assembly (Ex-Works)	PIPE SIZE (INCH)	SCHEDULE OF PRICES for Complete Nozzle assembly of nozzle material SS316, pipe material SA335 P91 with tappings and accessories like Root Valves (SS316) , Nipples (SS316) , Expanders (SS316) , Pressure Take off points etc (Ex-Works)	CALIBRATION CHARGES for Complete Nozzle assembly (Ex-Works)	PIPE SIZE (INCH)	SCHEDULE OF PRICES for Complete Nozzle assembly of nozzle material SS316, pipe material SA106GRC with tappings and accessories like Root Valves (SS316) , Nipples (SS316) , Expanders (SS316) , Pressure Take off points etc (Ex-Works)	CALIBRATION CHARGES for Complete Nozzle assembly (Ex-Works)	PIPE SIZE (INCH)	SCHEDULE OF PRICES for Complete Nozzle assembly of nozzle material SS316, pipe material SA335 P22 with tappings and accessories like Root Valves (SS316) , Nipples (SS316) , Expanders (SS316) , Pressure Take off points etc (Ex-Works)	CALIBRATION CHARGES for Complete Nozzle assembly (Ex-Works)	PIPE SIZE (INCH)	SCHEDULE OF PRICES for Complete Nozzle assembly of nozzle material A182F91, pipe material SA335 P91 with tappings and accessories like Root Valves (SS316) , Nipples (SS316) , Expanders (SS316) , Pressure Take off points etc (Ex-Works)	CALIBRATION CHARGES for Complete Nozzle assembly (Ex-Works)	PIPE SIZE (INCH)	SCHEDULE OF PRICES for Complete Nozzle assembly of nozzle material A182F92, pipe material SA335 P92 with tappings and accessories like Root Valves (SS316) , Nipples (SS316) , Expanders (SS316) , Pressure Take off points etc (Ex-Works)	CALIBRATION CHARGES for Complete Nozzle assembly (Ex-Works)	ROOT VALVE SS316 25Nb # 900	ROOT VALVE SS316 25Nb # 3500 SPL	ROOT VALVE SS316 25Nb # 4500 SPL	EXPANDER 15NB X 25NB , SS316 , MATERIAL CLASS 3000 / 9000	NIPPLE 25Nb, SS316 , 250mm long, SCH XXS	NIPPLE 25Nb, SS316 , 1000mm long, SCH XXS	NIPPLE 25Nb, SS316 , 250mm long, SCH 80							
1	03" (80 NB)	0.15%	0.10%	06" (150 NB)	0.60%	0.10%	14" (350 NB)	0.70%	0.20%	06" (150 NB)	0.60%	0.10%	08" (200 NB)	2.20%	0.20%	08" (200 NB)	4.00%	0.30%	1.80%	1.50%	0.60%	0.10%	0.15%	0.35%	0.40%							
2	04" (100 NB)	1.10%	0.30%	08" (200 NB)	2.00%	0.20%	20" (500 NB)	1.10%	0.25%	08" (200 NB)	0.60%	0.10%	10" (250 NB)	1.40%	0.20%	10" (250 NB)	9.70%	0.30%														
3	06" (150 NB)	0.20%	0.10%	10" (250 NB)	2.80%	0.20%	22" (550 NB)	2.60%	0.25%				12" (300 NB)	6.50%	0.20%	12" (300 NB)	2.00%	0.20%														
4	08" (200 NB)	0.50%	0.10%	12" (300 NB)	3.25%	0.30%	24" (600 NB)	6.20%	0.90%																							
5	10" (250 NB)	3.50%	0.50%	14" (350 NB)	0.90%	0.20%																										
6	12" (300 NB)	0.40%	0.20%																													
7	14" (350 NB)	0.50%	0.20%																													
8	16" (400 NB)	21.00%	1.80%																													
9	18" (450 NB)	4.00%	0.70%																													
10	20" (500 NB)	7.20%	1.20%																													
		38.55%	5.20%		9.55%	1.00%		10.60%	1.60%		1.20%	0.20%		10.10%	0.60%		15.70%	0.80%	1.80%	1.50%	0.60%	0.10%	0.15%	0.35%	0.40%							

	Technical specification for Flow Nozzle Assembly with Accessories (RATE CONTRACT)	SPECIFICATION NO.: PE-TS-20-145-I105B	
		VOLUME	IIB
		SECTION	C
		REV. NO.	01
		DATE : 21.04.17	

Tag No. : NOZZLE ASSEMBLY AS PER TYPE “II” OF THE PRICE FORMAT

Data Sheet No.-2

DATA SHEET – A		
ELEMENT	SERVICE MAKE : MODEL TYPE STANDARD * DESIGN MATERIAL BETA RATIO BORE DIAMETER	SHALL BE FURNISHED DURING PROJECT BIDDER TO FURNISH DURING PROJECT [■] ASME PTC 19.5 / [■] ISO 5167 LONG RADIUS : HIGH BETA SS316 ~ 0.7 BIDDER TO FURNISH DURING PROJECT
END CONNECTION	TYPE BRANCH PIPE BRANCH PIPE MATERIAL TAPPING LOCATION NUMBER OF TAPPINGS ROOT VALVE QTY : SIZE ROOT VALVE MATERIAL : RATING: TYPE NIPPLE : SIZE/MATL/RATING/QTY EXPANDER : SIZE/MATL/RATING/QTY	BUTT WELD END YES (IN BHEL SCOPE) SAME AS PIPE MATERIAL D&D/2 : ON PIPE 3 PAIR 12 : 25 NB SS316 : ANSI # 3500 SPL : GLOBE 25NB : SS316 : SCH.XXS : 1000mm LONG : 12 15NBx25NB : SS316 : CLASS 9000 : 50.8mm LONG : 6
PROCESS DATA	FLUID FLOW (T/HR) PRESSURE (KG/CM ² (A)) TEMPERATURE (DEG. C.) MAX. ALLOWABLE PRESS LOSS DESIGN PRESS : TEMP DIFF. PRESS AT MAX FLOW	STEAM MAX. NORMAL MINIMUM SHALL BE FURNISHED DURING PROJECT 296 Kg/cm ² : 608 DEG C BIDDER TO FURNISH DURING PROJECT
PIPE LINE DATA	PIPE SIZE (OD X THK) mm PIPE MATERIAL * BORE DIAMETER MIN. AVAILABLE STRAIGHT LENGTH UPSTREAM:DOWNSTREAM FLOW DIRECTION	<u>AS PER PRICE SCHEDULE</u> <u>[■] SA 335 P91</u> BIDDER TO FURNISH DURING PROJECT 15D 10D : 5D HORIZONTAL
OTHER DATA	IBR CERTIFICATION APPROX. WEIGHT OF ASSEMBLY	REQUIRED BIDDER TO FURNISH DURING PROJECT
PACKING	SEA WORTHY PACKING *	[■] YES / [■] NO

* Project specific data shall be informed by BHEL during project ordering

BIDDER TO QUOTE IN COLUMN “II” OF PRICE FORMAT FOR DETAILS SPECIFIED ABOVE

BIDDER TO NOTE THE FOLLOWING FOR EACH NOZZLE ASSEMBLY:

- A) In case additional pair of tappings is required, extra 4 no's root valves, 2 no's expanders, & 4 no's nipples per pair of tappings shall be supplied by the bidder. Additional price for the same shall be as per unit price quoted in the price schedule under column VII till XIII.
- B) In case root valves of 4500 SPL class is required (based on parameters) then the differential price of 3500 SPL and 4500 SPL class shall be added, based on the unit price quoted for respective class of root valves under column VIII and Column IX

The above requirement shall be informed by BHEL during project specific ordering