



NATIONAL FERTILIZERS LIMITED

(A Govt. of India Undertaking)
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Materials Department
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NFL Tender Ref : SPX/2023/333

Sr. No.	Material Code	Description of Material	UoM	Qty.	Vendor Confirmation (Yes/ No/remarks)
1	9152964	Complete control valve along with accessories and companion flanges. Service: Urea solution Valve Size & Rating: ANSI 1.5" 300# RF MOC of Valve body & Trim: SS 316L or better suitable for urea service Detailed specifications as per attached Annexure.	NO	1	Please give your response to each specification below
Note:					
i. Party have to furnish a Guarantee / Warranty Certificate for all the above mentioned products against defective material / bad workmanship for a period of 12 months from the date of commissioning or 18 months from the date of dispatch, whichever is earlier. In case the material fails during the above Guarantee period due to defective material or bad workmanship, you will have to replace the same free of cost. Certificate must accompany the dispatch documents.					
ii. The quoted rates must be inclusive of all i.e GST, Freight, P&F, Transit Insurance, MTC Charges, Valve test certificate charges, cost of certification charges if any etc.					
iii. Vendor shall be responsible for proper and optimum sizing, selection and supply of the control valve for the application specified in the data sheet.					
iv. Party shall supply the GAD (General assembly drawing) of Valve including all accessories along with the offer.					
v. Direction of flow indication shall be engraved or embossed on the body.					
vi. All the accessories to be completely assembled and securely mounted on the valve					

vii.	Party to submit the material test certificates and valve test certificates along with the material.	
viii.	Party to supply the operational & maintenance manual of complete control valve & accessories along with the supply of material.	
Technical Eligibility: (Vendor must submit supporting documents)		
Technical Eligibility Criteria		supporting documents to be submitted
1. The bidder should be a manufacturer or his authorized dealer of the “ Complete Control Valve ”	<p><u>In case of Manufacturer</u> Bidder shall submit self-certified copy of</p> <ul style="list-style-type: none"> A. Valid industrial licence or B. Certificate of incorporation or C. Partnership deed or D. Being manufacturer for the Complete Control Valve. <p><u>In case of dealer</u> Authorization letter from the manufacturer with date of validity of authorized dealership of the bidder.</p>	
2. The bidder should have supplied similar item during the last seven years ending last day of previous month in which NIT has been issued. Similar item means: “ Complete Control Valve ” suitable for Urea service	<p>The bidder shall submit copies of Purchase Orders (PO) with full technical scope of work & commercial details for at least one of the following:</p> <ul style="list-style-type: none"> a) Three completed PO for supply of similar Item each costing not less than Rs.0.72 lakhs (inclusive of GST). OR b) Two completed PO for supply of similar Item each costing not less than Rs.0.90 lakhs (inclusive of GST). OR c) One completed PO for supply of similar Item each costing not less than Rs.1.44 lakhs (inclusive of GST). 	

Technical Annexure

S.No	GENERAL:		Vendor acceptance (Yes/No) Pls respond to each specification below:
1.	Item	Globe type control valve	
2.	Service Fluid	Urea solution	
3.	Application	Flow control	
OPERATING DATA:			
4.	Flow : Maximum(T/H)	4 T/H	
5.	Flow : Normal(T/H)	1.5 T/H	
6.	Working Pressure (Kg/cm ²)	15 Kg/cm ²	
7.	Working Temperature	150 °C	
8.	Density	1130 Kg/m ³	
VALVE BODY:			
9.	Body type	Globe	
10.	Valve Size & Rating	ANSI 1.5" 300# RF	
11.	Valve Body MOC	SS 316L or better suitable to urea service	
12.	Valve Trim MOC	SS 316L or better suitable to urea service	
13.	Fail Position	Close	
14.	Seat Leakage Class	IV or better	
15.	Companion flanges with gasket & fasteners	Required	
16.	MOC of Companion flanges	SS 316L	
17.	MOC of fasteners	SS-304	
ACTUATOR			
18.	Actuator	Single Acting Pneumatic diaphragm type	
19.	Pressure Rating	Up to 7 Kg/cm ²	
20.	Tubing & Fittings MOC	SS 316	
21.	Hand Wheel	Required	
VALVE POSITIONER			
20.	Type	SMART	
21.	Make	Preferably FISHER or party to specify	
22.	MOC	Die cast aluminum with epoxy paint or better	
23.	Ingress Protection	IP-65 or better	
24.	Area of classification	E Ex ia IIC T4	
AIR SET FOR POSITIONER			
25.	Make	Preferably Placka / SMC	
26.	Ingress protection	Weather Proof IP 65 or better	
27.	Body material	Die cast aluminum with epoxy paint or better	
28.	Filter Size	25 micron	
39.	Filter Material	Preferably Polypropylene Plastic or better	
30.	Pneumatic connection	Preferably 1/4" NPT (F)	
31.	Pressure Gauge	Required	