## **TECHNICAL SPECIFICATIONS**

NFL N	Nangal Case Ref. No.					
Quota	tion No	. & Date				
Name	of Bidd	er:				
Vendo	or's Com	plete Address	:			
	with con		endor may furnish E-Mail Id, Telephone / Mo & Address details of the firm for Clarifications			
Sr. No.	NFL Requirement (Ag					
1	Sr. No.	<mark>Material</mark> Code	Description of Material	<b>UOM</b>	Qty. Required	Agreed, Please Comment)

i.	7470091	Manufacturing, Testing & Supply	No.	1.000	
		of Complete High Pressure Angle			
		Stop Valves			
		Service Conditions: Urea			
		Carbamate Solution at 220 Kg/cm2			
		& 195Deg Celsius			
		End Connections: Lens Face with			
		Threaded Flange			
		Operation Type: Handwheel			
		Face to Face: 200mm			
		Bore Size: 47.5mm			
		Material of Construction:			
		Wetted Parts (Valve Seat & Forged			
		Block Valve): UNS S31050/25-22-2			
		with Exchangeable Seat			
		Valve Spindle: Ferralium255			
		Size: DN50 PN320			
		Dimensionally interchangeable			
		with Drawing NG-6464			

ii.	7470111	Manufacturing, Testing & Supply	NO	1.000	
		of Complete High Pressure Angle			
		Stop Valves			
		Service Conditions: Urea			
		Carbamate Solution at 220 Kg/cm2			
		& 195Deg Celsius			
		End Connections: Lens Face with			
		Threaded Flange			
		Operation Type: Handwheel			
		Face to Face: 270mm			
		Bore Size: 66.5mm			
		Material of Construction:			
		Wetted Parts (Valve Seat & Forged			
		Block Valve): UNS S31050/25-22-2			
		with Exchangeable Seat			
		Valve Spindle: Ferralium255			
		Size: DN70 PN320			
		Dimensionally interchangeable			
		with Drawing NG-6464			

iii.	7470131	Manufacturing, Testing & Supply	NO.	1.000	
		of Complete High Pressure Angle			
		Stop Valves			
		Service Conditions: Urea			
		Carbamate Solution at 220 Kg/cm2			
		& 195Deg Celsius.			
		End Connections: Lens Face with			
		Threaded Flange			
		Operation Type: Handwheel with			
		Gear Actuator			
		Face to Face: 330mm			
		Bore Size: 82.5mm			
		Material of Construction:			
		Wetted Parts (Valve Seat & Forged			
		Block Valve): UNS S31050/25-22-2			
		with Exchangeable Seat			
		Valve Spindle: Ferralium255			
		Size: DN90 PN320			
		Dimensionally interchangeable			
		with Drawing NG-6465			

NOTE:	<ol> <li>Valves shall be manufactured under Third party</li> </ol>
	inspection of M/s LRQA/BV/TuV/PDIL/EIL. Scope
	Third party shall include:
	<ul> <li>Witnessing of Test Certificate for Chemical</li> </ul>
	Composition and physical properties for
	Forgings Raw Material as per EN10201 3.1.
	II) Witness of Hydrostatic Test Pressure for shell,
	seat & back seat as per NFL Drawings.
	III) Witness of Pneumatic Test Pressure for shell &
	seat as per NFL Drawings.
	IV) Verification of Certificate for Huey Test for
	Block, Seat & Spindle in Conformance to ASTM
	A262 Prac. C with acceptable limit as per
	Casale/Saipem latest specifications.
	V) Party shall supply Inspection Release Note
	duly signed and stamped by TPI.
	2. Party shall also certify that the Material supplied by
	them is compatible for service in Urea Carbamate
	Solution at 220 Kg/cm2 Pressure & 195 Deg. Celsius
	Temperature.
<b>Eligibility Criteria</b>	Bidders shall agree to the Eligibility Criteria (Attached for the
	Tender and shall upload necessary documents (duly
	numbered) mentioned in it. Any offer which not meeting the
	Eligibility Criteria shall be rejected during Technical Evaluation.

Sr.	Eligibility Criteria	Supporting Documents required.
no. 1.	The bidder should be a manufacturer or authorised dealer of the Manufacturer	In case of a Manufacturer Bidder shall submit a copy of valid industrial license issued by statutory Authority / Govt Agency.
		In case of a Dealer Authorization letter from the manufacturer for participation in this specific tender alongwith copy of valid industrial license of the manufacturer issued by statutory Authority / Govt Agency.
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: Manufacturing/supply of High Pressure Valve in any Fertilizer	
	Industry / petro chemical industry.  MOC of Valve Block & Seat: SS-316 L Urea Grade /SS 25-22-2 or Higher Grade Material for urea carbamate service.  Size: minimum 2" or DN 50 Pressure: Minimum PN 160	b) Two completed PO / work orders for supply of similar item each having value not less than Rs 11.87 Lacs (inclusive of GST).
3.	The average annual financial turnover of the bidder during the last three financial years i.e.	value along with self -certified completion certificate indicating the executed value and date of completion.  Bidder shall submit self-attested copies of Audited Profit & Loss Account and Balance Sheet with UDIN number for the last three
	2020-21,2021-22 and 2022-23 should be not less than Rs.14.25 Lakhs.	



