

## TECHNICAL SPECIFICATIONS

NFL Nangal Case Ref. No.					SPX/2024/117
Quotation No. & Date					
Name of Bidder:					
Vendor's Complete Address :					
<b>Vendor's Contact Details:</b> Vendor may furnish E-Mail Id, Telephone / Mobile No. etc. alongwith complete Name & Address details of the firm for Clarifications / Placement of Order.					
<b>Sr. No.</b>	<b>NFL Requirement</b>				<b>Vendors Comment (Agreed / If not Agreed, Please Comment)</b>
1	<b>Sr. No.</b>	<b>Material Code</b>	<b>Description of Material</b>	<b>UOM</b>	<b>Qty. Required</b>
	i.	7470094	<b>Manufacturing, Testing &amp; Supply of Valve Seat &amp; Valve Spindle Alongwith Nut</b> Size: DN50 PN320 as per Drg NG18694 MoC:- Valve Seat: UNS S31050 Spindle: Ferralium® 255 Nut: Carbon Steel	<b>NO.</b>	<b>3.000</b>
	ii.	7470134	<b>--Do--But</b> Size: DN90 PN320 as Per Drg NG11849 MoC:- Valve Seat: UNS S31050 Spindle: Ferralium® 255 Nut: Carbon Steel	<b>NO.</b>	<b>2.000</b>

<p><b>NOTE:</b></p>	<ol style="list-style-type: none"> <li>1. Party shall furnish the Test certificates for Chemical Composition &amp; physical properties as per EN10204-3.1 (Tensile Strength, Yield Strength, Elongation, Hardness &amp; Solution Annealing) duly Verified by Third party Inspection Agency M/s LRQA/TuV/BVIS/PDIL/EIL.</li> <li>2. Seat of Valve Seat and Valve Spindle shall be matched together by Lapping for proper contact</li> <li>3. Certificate of Huey Test in conformance with ASTM A262 Prac. C shall be furnished along with the supply. Acceptable Limit shall be as per Saipem/Casale specifications.</li> <li>4. Fertile content shall be less than 0.6% and shall be free from Sigma phase. Party shall furnish Certificate to this effect.</li> <li>5. 100% Satisfactory Ultrasonic Testing of the material confirming to ASTM A388</li> <li>6. Party shall certify that the material supplied is suitable for Urea Carbamate Service at 230 Kg/cm<sup>2</sup> &amp; 200Deg. C Temperature</li> <li>7. Vendor should provide their latest bank details (valid bank mandate/ Cancelled cheque copy/on their letter head etc.) at the time of invoice submission.</li> </ol>	
<p><b>Technical Evaluation Criteria</b></p>	<p>Bidders shall agree to the <b>Technical Evaluation Criteria</b> (Attached as Annexure-I) and shall upload necessary documents (duly numbered) mentioned in it. Any offer which not meeting the Eligibility Criteria shall be rejected during Technical Evaluation</p>	

**Technical Evaluation Criteria (To be included in GeM additional terms and conditions)**

1. Bidder shall be a manufacturer or dealer/channel partner/network agent authorized by the manufacturer. In case of dealer or channel partner or network agent, authorization letter or MoU of Agreement made with manufacturer shall be submitted along with technical bid.
2. Bidder shall provide the following documents along with technical bid:
  - a) Party shall submit copy of minimum 01 PO for past supplies of same/similar items, successfully delivered in recent 7 year (from issuing date of this NIT) to any fertilizer plant/Refineries/ Petrochemical plant/Power plant/Continuous chemical process plant/EPC Company along with performance certificate from the end user clearly depicting that the supplied material performed satisfactory for 1 year after installation.
  - b) In case performance certificate is not available party shall submit their own certificate for above PO.mentioning that the performance of supplied material was satisfactory for 1 year after installation, along with contact detail of end user including email address.

**Definition of Similar items:**

Urea Grade or Carbamate Service Valve/valve spares having:

MoC: ASTM A182 F310MoLN/ 25.22.2/UNS S31050/Ferralium 255

Size: 2"/DN50 or above

The details & documents as per above (1) & (2) shall be provided along with technical bid for NFL review and technical evaluation of bid. Bids without these details are liable for technical rejection/disqualification.

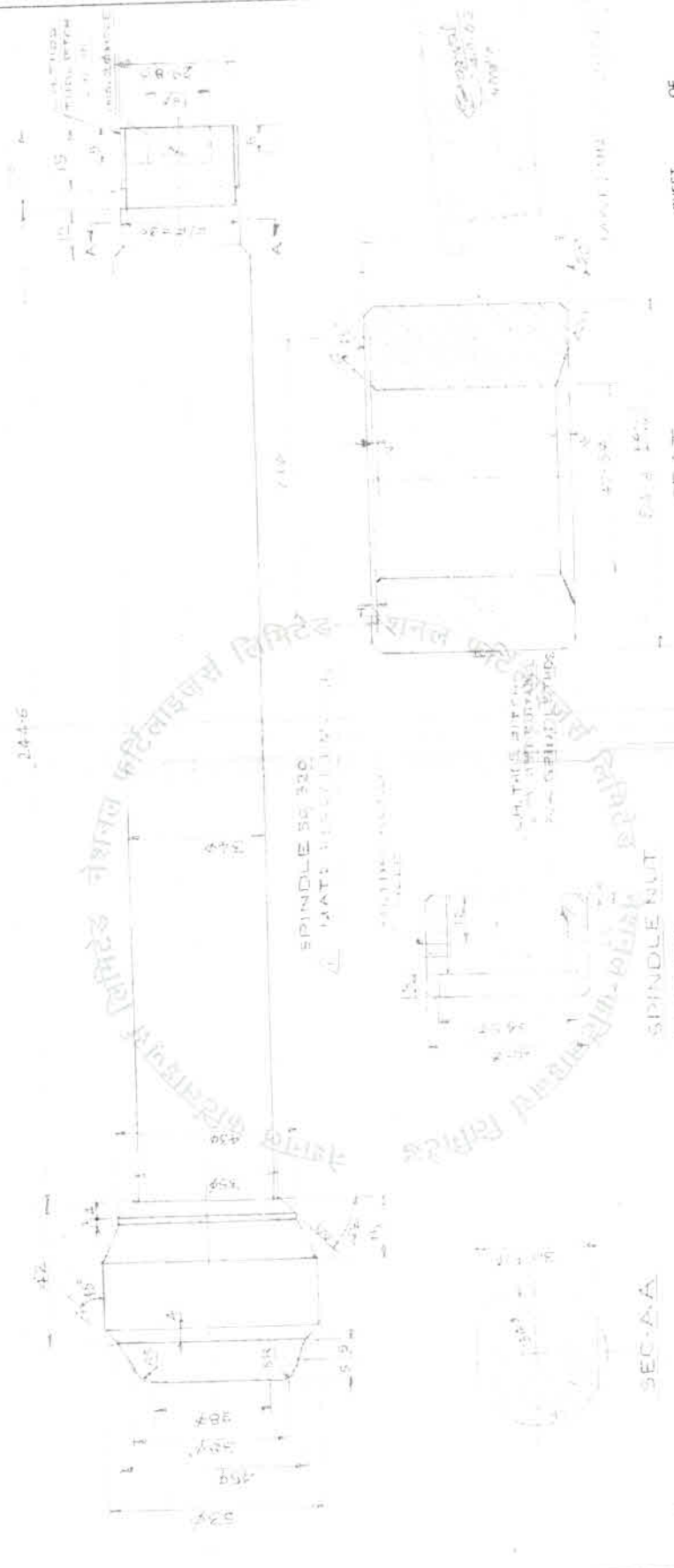
6/5/24

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S.NO NG 18694

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SHEET OF

NATIONAL FERTILIZERS LIMITED NANGAL UNIT EXPANSION

WIRE & PLANT

TITLE

SPINDLE & SEAT FOR UO/320  
 11.P. VALVE

NO.	REV.	DATE	BY	CHKD	APPD
1					

DATE: 11/05/23

SCALE: 1:1

DRW NO: 5/1000/00/E-107

FOLD

REV

18694

Soft copy for E-tender shall be mailed.

