

TECHNICAL SPECIFICATIONS

NFL Nangal Case Ref. No.					SPX/2024/104
Quotation No. & Date					
Name of Bidder:					
Vendor's Complete Address :					
Vendor's Contact Details: Vendor may furnish E-Mail Id, Telephone / Mobile No. etc. alongwith complete Name & Address details of the firm for Clarifications / Placement of Order.					
Sr. No.	NFL Requirement				Vendors Comment (Agreed / If not Agreed, Please Comment)
1	Sr. No.	Material Code	Description of Material	UOM	Qty. Required
	i.	7421032	Manufacturing, Testing & Supply Of Spares for Reciprocating Carbamate Pumps (PA-2A/B/R) SUCTION VALVE for Valve Body as Per Drg No.NG12514 MOC: ASTM A473 GR.316L	No.	50.000
	ii.	7421035	--Do--But DISCHARGE VALVE for Valve Body as Per Drg.No.NG12514 MOC:ASTM A473 GR.316L	No.	50.000
	iii.	7421037	--Do--But VALVE GUIDE WITH NUT & LOCK WASHER as Per Drg.No.NG11667 MOC: ASTM A473 GR.316L	No.	50.000
	iv.	7431011	Spares For PA-3N/R discharge valve and valve seat as per Drg.NG13598 MOC:ASTM A473 GR.304	No.	25.000

<p>NOTE:</p>	<p>1. Material shall be manufactured under TPI of M/s LRQA/TuV/BV and TPI scope shall include:-</p> <ul style="list-style-type: none"> i) Verification of Mill test certificate of forging as per relevant ASTM standard. ii) Witness of chemical composition of raw material & review of certificates for physical properties as per applicable ASTM standards. iii) Witness of ultrasonic test as per ASTM A388with acceptable standard AM203.2(C) of ASME Section VIII Div. 2. iv) Witness LPT as per SE165 with acceptance standard Appendix 8 ASME Sec-VII Div. I Add 03. v) Verification of all the dimensions as per relevant drawings. <p>2. All the test certificates shall be submitted after being duly signed and stamped by TPI along with Inspection Release Note indicating Stamping details.</p>	
<p>Technical Evaluation Criteria</p>	<p>Bidders shall agree to the Technical Evaluation Criteria (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 one 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:

Spares for Reciprocating Ammonia/Carbamate Pumps under Third Party inspection Agency.

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.

19/04/24

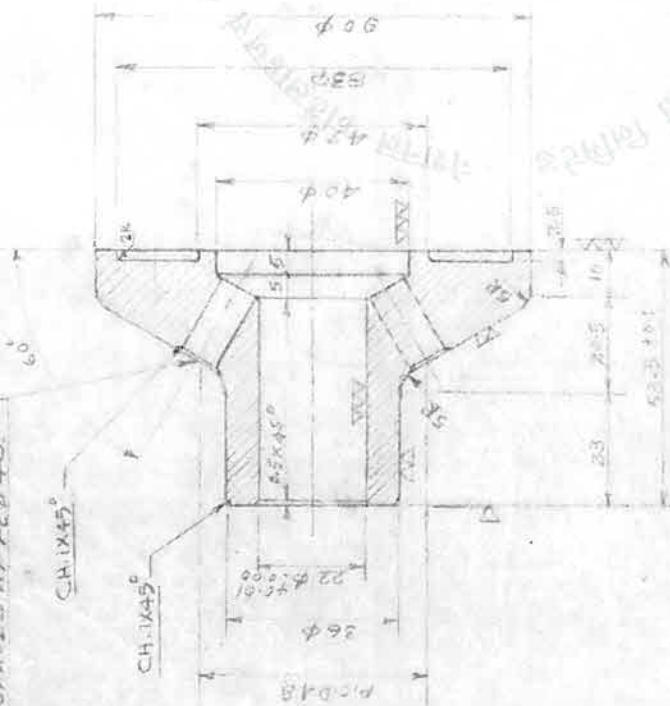
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S. No. NG-138

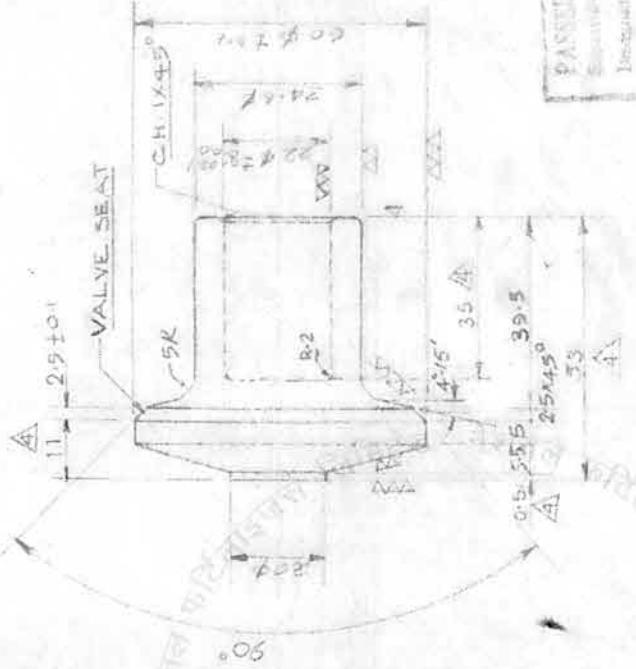
FOLD

FOLD

9-HOLES 8.5φ EQUALLY
SPACED AT PCB 48.



SUCTION VALVE
MATERIAL = 316L



DISCHARGE VALVE
MATERIAL = AISI-316L (A733.316L)

PASSED FOR EXECUTION
Checked by: [Signature]
Discussed on: [Date]
Date: 1/10/23

SHEET OF

NATIONAL FERTILIZER LIMITED NANGAL UNIT / EXPANSION

DGN.	DRN.	SUBM.	APPD.	SCALE	DATE	DRG. No.	Rev
84	1/10/23			1:1	1/10/23	NG-138	1

NO.	DATE	REVISIONS
1	22-5-14	MATERIAL CHANGE
2	28-7-18	GENERAL REVISION
3	2-8-04	AS MARKED
4	10-2-01	AS MARKED
5	2-2-01	AS MARKED
6	27-2-99	AS MARKED

REF. DRG.

FOLD

FOLD

3

S. No. **NG = 111**

FOLD

FOLD

TURNED TO
 21-5-74
 GRIND AT
 CHROMIUM PLATED
 22-1-74
 GRIND FOR FINAL
 FINISH 22-4-74

GRIND FOR FINAL FINISH
 22-4-74 - 0-655
 22-4-74 - 0-626

FINE THREAD M16 PITCH 1.5



36
 ACROSS FLATS
 VIEW PA

MASTER FOLDER 14,3

SHEET OF

FERTILIZER CORPORATION OF INDIA LTD. NANGAL UNIT / EXPANSION

TITLE
 UREA PLANT

VALVE GUIDE FOR CAREAMATE
 PUMP

DGN.

DRN.

SUBM.

APPD.

SCALE

DATE

DRG. NO.

REV.

REV. 5

REV. 8

REV. 9

REV. 10

REV. 11

REV. 12

REV. 13

REV. 14

REV. 15

REV. 16

REV. 17

REV. 18

REV. 19

REV. 20

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