

## Technical Specification and Requirement

S.No.	Material	Material Specification	Quantity	UoM
1	Material Code- 87606103790_1_1000068216_UOM_M	VITON O-RING CORD SIZE 1.5 MM DIA. MOC:- Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M
2	Material Code- 87801290580_2_1000068216_UOM_EA	VITON O-RING CORD SIZE 2.0 MM DIA. MOC:- Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	EA
3	Material Code- 87606103800_3_1000068216_UOM_M	VITON O-RING CORD SIZE 2.5 MM DIA. MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M
4	Material Code- 87606103610_4_1000068216_UOM_M	VITON O-RING CORD SIZE 3.0 MM DIA. MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M
5	Material Code- 87606103810_5_1000068216_UOM_M	VITON O-RING CORD SIZE 3.5 MM DIA. MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M
6	Material Code- 87606103820_6_1000068216_UOM_M	VITON O-RING CORD SIZE 4 MM DIA. MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M
7	Material Code- 87606103830_7_1000068216_UOM_M	VITON O-RING CORD SIZE 4.5 MM DIA, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M
8	Material Code- 87606103840_8_1000068216_UOM_M	VITON O-RING CORD SIZE 5 MM DIA, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M
9	Material Code- 87801290960_9_1000068216_UOM_M	VITON O-RING CORD SIZE 6 MM DIA, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M
10	Material Code- 87606103850_10_1000068216_UOM_M	VITON O-RING CORD SIZE 6.5 MM DIA, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M
11	Material Code- 87606103780_11_1000068216_UOM_M	VITON O-RING CORD SIZE 5.5 MM DIA, MOC:_ Viton Type-A ,Hardness:- 70--75 Shore"A", Round Section.	50	M
12	Material Code- 87606103860_12_1000068216_UOM_M	VITON O-RING CORD SIZE 7 MM DIA, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M
13	Material Code- 87606103870_13_1000068216_UOM_M	VITON O-RING CORD SIZE 7.5 MM DIA, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M
14	Material Code- 87606103880_14_1000068216_UOM_M	VITON O-RING CORD SIZE 8.5 MM DIA, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M
15	Material Code- 87606103890_15_1000068216_UOM_M	VITON O-RING CORD SIZE 9 MM DIA MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M
16	Material Code- 87606103900_16_1000068216_UOM_M	VITON O-RING CORD SIZE 9.5 MM DIA, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M
17	Material Code- 87606103910_17_1000068216_UOM_M	VITON O-RING CORD SIZE 10 MM DIA, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M
18	Material Code- 87801291080_18_1000068216_UOM_M	VITON O-RING CORD SIZE 8 MM DIA, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	50	M

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S.No.	Material	Material Specification	Quantity	UoM
19	Material Code- 72977009840_19_1000068216_UOM_EA	Oring for the body of BFP-1,2,3 Auto Recirculation Valve. Location:-Horizontal Oring fitting on Valve Body groove as per Fig-3A of IS:9975 Part-3 and pressed fit by upper half tongue for axial sealing arrangement Housing groove Dimensions:- Horizontal Groove OD = 225mm, Groove Width=3.3mm, MOC:--Viton So Oring Size= 218mm ID X 3mm cross sectional dia.	20	EA
20	Material Code- 72977009850_20_1000068216_UOM_SET	Set of Recirculation piston Orings for the Auto&Manual Recirculation piston of BFP-1,2,3 Auto Recirculation Valve. Location:- Fitted on a piston shaft groove as per Fig-1 of IS :9975 Part-3 and compressed by housing . MOC:- Viton. 1 Set shall contain 3 Nos of Oring-1& 1 No of Oring-2. Dimensions of Oring-1 :- Oring Size= 65.4mm ID# X 2.75mm cross sectional dia, Dimensions of Oring-2:- Oring Size= 55.7mm ID# X 2.5mm cross sectional dia."	20	SET
21	Material Code- 73083200020_21_1000068216_UOM_EA	Oring for the body of MWP-1,2,3 Auto Recirculation Valve Location:-Horizontal Oring fitting on Valve Body groove as per Fig -3A of IS:9975 Part-3 and pressed fit by upper half tongue for axial sealing arrangement. MOC:--Viton Oring Size= 250mm ID X 4mm cross sectional dia.	15	EA
22	Material Code- 73083200030_22_1000068216_UOM_SET	Set of Recirculation piston Orings (2 Nos) for Auto <(>&<)> Manual Recirculation shaft of MWP-1,2,3 Auto Recirculation Valve, Location:- Fitted on a piston shaft groove as per Fig-1 of IS :9975 Part-3, MOC:- Viton. 1 Set shall contain 1 Nos of Oring-1 & 1 No of Oring-2. Dimensions of Oring-1 :- 80mm ID# X 2.75mm crosssectional dia. Dimensions of Oring-2 :- 90mm ID# X 2.5mm crosssectional dia.	15	SET
23	Material Code- 87801154940_23_1000068216_UOM_EA	Viton Oring(ID X CS):- 110 X 4, MOC:- Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	30	EA
24	Material Code- 87801154950_24_1000068216_UOM_EA	Viton Oring-- ID X CS (mm) :-78 X 4 MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section	30	EA

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S.No.	Material	Material Specification	Quantity	UoM
25	Material Code- 87801154960_25_1000068216_UOM_EA	Viton Oring- ID X CS (mm) :-280 X 4 MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section	30	EA
26	Material Code- 87801154970_26_1000068216_UOM_EA	Viton Oring- ID X CS (mm) :-250 X 4 MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section	30	EA
27	Material Code- 87801154980_27_1000068216_UOM_EA	Viton Oring- ID X CS (mm) :- 185 X 4.5 MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section	30	EA
28	Material Code- 87801154990_28_1000068216_UOM_EA	Viton Oring- ID X CS (mm) :-68 X 4 MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section.	30	EA
29	Material Code- 87801155010_29_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 209.2X 5.7 B DIN 3770 MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section	12	EA
30	Material Code- 87801155020_30_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :-140 X 3 DIN 3770 MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section	12	EA
31	Material Code- 87801155030_31_1000068216_UOM_EA	Viton Oring- ID X CS (mm) :- 160 X 5 B DIN 3770, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section	12	EA
32	Material Code- 87801155040_32_1000068216_UOM_EA	Viton Oring- ID X CS (mm) :- 84 X 4 B DIN 3770, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section	12	EA
33	Material Code- 87801155050_33_1000068216_UOM_EA	Viton Oring- ID X CS (mm) :- 15X2.5 B, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section	12	EA
34	Material Code- 87801155070_34_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 55X3 B DIN 3770, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section	12	EA
35	Material Code- 87801155080_35_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 29X2.3 B, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section	12	EA
36	Material Code- 87801155090_36_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 29.2 X 3B DIN 3770, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section	12	EA
37	Material Code- 87801155100_37_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 20X2, 3B, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section	12	EA
38	Material Code- 87801155110_38_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 20X2B DIN 3770, MOC:_ Viton Type-A , Hardness:- 70--75 Shore"A", Round Section	20	EA
39	Material Code- 87801155120_39_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :-115 X 3 , MOC:_ Viton Type-A , Hardness:- 70--80 Shore"A", Round Section	15	EA
40	Material Code- 87801155130_40_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 100 X 3 B DIN 3770, MOC:_ Viton Type-A , Hardness:- 70--80 Shore"A", Round Section	20	EA
41	Material Code- 87801155150_41_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 128 X 3 B DIN 3770, MOC:_ Viton Type-A , Hardness:- 70--80 Shore"A", Round Section	15	EA
42	Material Code- 87801155160_42_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 135 X 6 B DIN 3770, MOC:_ Viton Type-A , Hardness:- 70--80 Shore"A", Round Section	20	EA

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S.No.	Material	Material Specification	Quantity	UoM
43	Material Code- 87801155170_43_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 150 X 3 B DIN 3770, MOC:_ Viton Type-A , Hardness:- 70--80 Shore"A", Round Section	20	EA
44	Material Code- 87801155180_44_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 55 X 3, MOC:_ Viton Type-A , Hardness:- 70--80 Shore"A", Round Section	12	EA
45	Material Code- 87801155190_45_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 7.484" X 0.139" , MOC:_ Viton Type-A , Hardness:- 70--80 Shore"A", Round Section	15	EA
46	Material Code- 87801155200_46_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 7.734" X 0.139" , MOC:_ Viton Type-A , Hardness:- 70--80 Shore"A", Round Section	15	EA
47	Material Code- 87801155210_47_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 7.234" X 0.139" , MOC:_ Viton Type-A , Hardness:- 70--80 Shore"A", Round Section	15	EA
48	Material Code- 87801155230_48_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 41.5 X 3 , MOC:_ Viton Type-A , Hardness:- 70--80 Shore"A", Round Section	12	EA
49	Material Code- 87801155240_49_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 202.8 X 3.53, MOC:_ Viton Type-A , Hardness:- 70--80 Shore"A", Round Section	12	EA
50	Material Code- 87801155250_50_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 104.37X3.53, MOC:_ Viton Type-A , Hardness:- 70--80 Shore"A", Round Section	12	EA
51	Material Code- 87801155260_51_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :-133.35mm ID X 3.53mm dia, MOC:_ Viton Type-A , Hardness:- 70--80 Shore"A", Round Section	12	EA
52	Material Code- 87801155270_52_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :-79.37mm ID X 5.33mm dia, MOC:_ Viton Type-A , Hardness:- 70--80 Shore"A", Round Section	12	EA
53	Material Code- 87801155280_53_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :-419mm ID x 4.5mm dia, MOC:_ Viton Type-A , Hardness:- 70--80 Shore"A", Round Section	30	EA
54	Material Code- 87801269540_54_1000068216_UOM_EA	Viton Oring - ID X CS (mm) :- 30 X 3, MOC:- Viton Type-A , Hardness:- 70--75 Shore"A", Round Section	30	EA

### Special Conditions

1	<p>The bidder should have successfully executed three purchase orders for supply of similar items to central/ state PSU's, Govt companies OR reputed public limited companies during last five years ending the last day of the month previous to the one in which the tender is floated. Copies of Purchase Order(s) along with the Invoices to be submitted towards documentary proof.</p> <p>Similar item definition- MOC:-Viton, Oring chords &amp; readymade sizes of Orings</p>
2	<p>In case of any additional measurement/details, Party shall take the details/ measurement at NALCO Site before offer/ after placement of PO. The same is to be agreed by the party. Along with offer, Party may submit a Point wise data sheet towards compliance of Item description and Special conditions,if any.</p>
3	<p>The Oring specification for all items shall be:- MOC:- Viton , Hardness:-70--75 Shore"A", Round Section, To withstand Temp upto 230DegC, Compression set:- 18-20%, density= 1.85g/cc, Tensile Strength=Min 7 MPa, Elongation at break= 180%.</p>

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4		Along with supply, Party shall submit a) a Material Test certificate on parameters in SI No:-3 from NABL accredited laboratory, b) Fitment certificate certifying that supplied Oring dimensions are exactly matching with dimensions given in each item description. Any fitment discrepancies shall be replaced by party within 15 days of intimation from NALCO.		
5		MARKING & PACKING:- Packing shall be made item-wise in separate packs and properly tagged with NALCO material code & complete Oring size etc.		
6		In case of violation of Special conditions/ delivery deviation in P.O quantity / premature failure or dimensional deviation above 10% of P.O qty, Party shall,henceforth not be considered for any subsequent tenders. The same has to be accepted by the party during offer.		

## **PRE-QUALIFICATION CRITERIA**

The bidder should have successfully executed three purchase orders for supply of similar items to central/ state PSU's, Govt companies OR reputed public limited companies during last five years ending the last day of the month previous to the one in which the tender is floated. Copies of Purchase Order(s) along with the Invoices to be submitted towards documentary proof.

Similar item definition- MOC:-Viton, Oring chords & readymade sizes of Orings

## CHECKLIST FOR TECHNICAL AND COMMERCIAL REQUIREMENTS

S.No.	Nalco's Requirement	Bidder's Remarks
1	Item has been quoted as per material specification document without any deviation.	Yes/No
2	Duly signed and stamped 'Technical Specification' document <b>along with the supporting documents</b> has been submitted.	Yes/No
3	Prices are quoted on 'FOR Nalco Stores, Damanjodi' basis including all cost component viz. GST, P&F, freight, insurance etc.	Yes/No
4	GST rate included in the price	_____%
5	Offer shall be valid for 120 days from the date of opening of tender i.e. final tender opening date with extension time, if any	Agreed/Not agreed
6	Payment term as mentioned in bid document under "Buyer Added Bid Specific ATC".	Agreed/Not agreed
7	Tender terms & conditions and GeM GTC shall only be applicable for the tender.	Agreed/Not agreed
8	Item(s) shall be procured as per the evaluation criteria mentioned in the tender.	Agreed/Not agreed
9	Please confirm acceptance to the tender delivery period.	Accepted/Not Accepted
10	Please indicate the despatching station of the material.	
11	Duly filled <b>Integrity Declaration</b> has been submitted with the offer	Submitted/Not Submitted
12	MSE Purchase Preference as manufacturer of offered items claimed in GeM.	Claimed & supporting documents towards manufacturing like BIS license, trade mark certificate submitted along with the UDYAM registration certificate/Not Claimed/Not applicable
	<b>Note- 1. Bidder must avoid false declaration of manufacturing status for the offered item. 2. Bidder must submit the supporting documents like BIS license, trade mark certificate towards manufacturing status of the items. 3. In case manufacturing status couldn't be verified from the offer, MSE purchase preference shall not be given.</b>	
13	Duly filled SA 8000 questionnaire provided with the tender has been submitted	Submitted/Dealer
14	<b>MII Local content declaration</b> as per GeM clause "Bid reserved for Make In India Products" as given in the tender document.	Submitted/Not Submitted
	<b>Note- Purchase preference to Class I supplier shall be given only if the local content declaration is submitted by the OEM.</b>	
15	Bank Mandate/Cancelled Cheque has been submitted with the offer	Submitted/Registered vendor-no change in already updated bank details

(Bidder's Signature with stamp)

**Declaration for local content on the letter head**

To,  
GM(Materials),  
M/s. National Aluminium Company Limited,  
Refinery Unit, Damanjodi  
Dist.-Koraput, Odisha-763008

Date-

Dear Sir,

We, M/s. \_\_\_\_\_ having its office at \_\_\_\_\_(address)

hereby confirm that **we are the manufacturer of the product offered** against tender no. \_\_\_\_\_ and the same has \_\_\_\_% of the local content as per the definition of local content in order No.P-45021/2/2017-PP(BE-II) dtd. 16.09.2020 and OM P-45021/102/2019-BE-II-PART(1)(E-50310) DT. 04.03.21 issued by Gol.

Following is/are the location(s) at which local value addition is made:

\_\_\_\_\_  
\_\_\_\_\_

Yours sincerely,

Signature  
Name  
Designation  
Contact No.