

**Global Tender Enquiry (GTE) - Web hosting of 5 years Procurement Plan-  
NALCO**

<b>5<sup>th</sup> stream Alumina Refinery</b>								
<b>Contact person: Shri Niranjana Samal, Group General Manager(Project), Email ID: NIRANJAN.SAMAL@NALCOINDIA.CO.IN</b>								
Sl. No.	Category (Material/ Service/ Both)	Item Name/ short description	Unit of Measurement	Quantity Per Year				
				2021-22	2022-23	2023-24	2024-25	2025-26
1	Material	Vertical Pressure Leaf Filter / Polishing Filter	No.	4				
2	Material	Agitators (Process areas Digestion, Seed Filtration, Precipitation & Classification)	No.	31				
3	Material	Red Mud Pumps	No.	2				
4	Material	Auto-Rodding Device	No.	66				
5	Material	Nucleonic Density Meter (Radioactive type)	No.	27				
6	Material	Rake Mechanism	No.	9				
7	Material	Rake Drives and Lifting Device (Drives for Clarifiers & Settlers)	No.	9				
8	Material	Mud Level Sensor and Clarity Probe	No.	9				
9	Material	External Seeding	No.	1				
10	Material	Disc Filter	No.	7				
11	Material	Welded Plate Heat Exchangers	No.	8				
12	Material	Angle Valves / Angle Bayonet Valves	Lot	1				
13	Material	Slurry Angle Valves	Lot	1				

In case of service or works procurement, value may also be mentioned.

**Global Tender Enquiry (GTE) - Web hosting of 5 years Procurement Plan- NALCO**

**Procurement Plan for the Year 2020-21 (excluding Coal)**

**Contact Person: Shri B.D Mohanty, Executive Director (Materials)**

**E-mail id: BIBHU.MOHANTY@NALCOINDIA.CO.IN**

Sl.no.	Description of item	Estimated Value of Procurement (Cr.)
1	HFO(heavy Fuel Oil)	751.00
2	Caustic Soda	577.00
3	Calcined Petroleum Coke(CP Coke)	409.00
4	Coal Tar Pitch (CT Pitch)	163.00
5	Lime	59.00
6	LDO(Light Diesel Oil)	12.00
7	Pig Iron	10.00
8	Pulley Rim	11.00
9	Ordinary Cement	3.00
10	Portland Slag	3.00
11	HDPE (High-density polyethylene) Bags	2.00
12	Wheel loader	5.00
13	Rake drives for 5 nos. of HRD tanks and 4 nos. of DCW tanks.	42.70
14	Inter stage cooler for Alimina Hydrate slurry for Stream 1,2,3 &4	2.70
15	Deflection pulleys of Dia.2134 mm and Dia.950 mm	2.20
16	Drive Rope, installation kit and splicing tools	18.00
17	Metalastic bush for BDD (Belt Dislodgement Device)	0.15
18	Koepe Liners	0.24
19	Polyurethane lined split steel backed pulley rim	4.83
20	1137/1067/737 offset shoe form belting for cable belt conveyer.	2.60
21	LOMA Rotameter for Billet Casting Machine mould table	0.02
22	Ceramic Foam Filter-Ceramic Form Filter with expandable Gasket Around it	0.63
23	Insural 80 Mastic, Header Plate for Tee, Boron nytrate for Tip, Boron nitride Alu	0.93
24	Tapid Ramming Mass (TRM)	4.60
25	BIL (Light Insulation Brick)	1.94
26	SemiGraphit Side Slab	14.85
27	Graphitised Cathode Bottom Block	126.90
28	Anode Butt Inspection system	4.50
29	Ladle Cleaning Machine at new LPC (Laddle & Pipe cleaning) Shop	29.60
30	Anode Beam raising jig &Trailer	8.15
31	Revamping of Ladle Skimming Stataion in cast House A	3.20
32	Electrical Cathode Preheating System	22.10
33	Server Upgradation ALPSYS for all the four Lines	60.20
34	Revamping of Mixing Line in Green Anode Plant- I	124.64

35	Furnace Tending Assembly-1 Of Anode Baking Furnace-1	30.00
36	Green Anode Plant-2 Anode Vibro-Compactor Upgradation	18.87
37	Thimble Shot Blasting M/c for RS-1	9.12
38	11th Rectifier Group for Potline 3 & 4	90.70
39	Rectifier Transformer for PL-1 & 2	22.55
40	Ladle Skimming Station & Weigh Bridge for AAP	3.60
41	Service Support for ALPSYS Pot Regulation system	1.00
42	Aluminium Flouride	80.80
43	Alloying Elements(Magnesium & Silicon)	6.00
44	Agitators	34.00
45	Angle valves/Angle Bayonet Valves	28.30
46	Auto-Rodding Device	2.70
47	Caustic Concentration Analyser(Density Analyser)	2.60
48	Vacuum Disc Filter	28.50
49	External Seeding	6.20
50	Mud level sensor & clarity probe	5.40
51	Nucleonic Density Meter(Radioactive type)	1.90
52	Pressure relief valves(safety valves) for medium pressure digestion unit	4.40
53	Rake drivers & lifting device (for clarifiers & settlers)	54.14
54	Rake Mechanism & fluidised scale baskets	23.00
55	Red mud pumps	21.50
56	Slurry Angle Valves	4.50
57	Vertical Pressure Leaf Filter	32.00
58	Welded Plate Heat Exchangers	37.60
59	Technical Services from Rio Tinto Alcan International Limited(RTAIL), the technology licensor for NALCO Alumina Refinery and Aluminium Smelter	26.50
60	Aluminium Alloy Wire Rod Mill Manufacturing Equipment	90.00
61	Thermal Conductivity Meter (Special Type of equipment for R&D Purpose)	0.96
<b>TOTAL</b>		<b>3147.52</b>



<b>Global Tender Enquiry (GTE) - Web hosting of 5 years Procurement Plan- NALCO</b>		
<b>Procurement Plan for the Year 2021-22 (excluding Coal)</b>		
<b>Contact Person: Shri B.D Mohanty, Executive Director (Materials)</b>		
<b>E-mail id: BIBHU.MOHANTY@NALCOINDIA.CO.IN</b>		
<b>Sl.no.</b>	<b>Description of item</b>	<b>Estimated Value of Procurement (Crs.)</b>
1	HFO(heavy Fuel Oil)	744.00
2	Caustic Soda	594.00
3	Calcined Petroleum Coke(CP Coke)	428.00
4	Coal Tar Pitch (CT Pitch)	168.00
5	Lime	61.00
6	LDO(Light Diesel Oil)	12.00
7	Pig Iron	10.00
8	Pulley Rim	11.00
9	Ordinary Cement	3.00

10	Portland Slag	3.00
11	HDPE Bags	2.00
12	Aluminium Flouride	80.80
13	Alloying Elements (Magnesium & Silicon)	6.00
<b>TOTAL</b>		<b>2122.80</b>

<b>Global Tender Enquiry (GTE) - Web hosting of 5 years Procurement Plan- NALCO</b>		
<b>Procurement Plan for the Year 2022-23 (excluding Coal)</b>		
<b>Contact Person: Shri B.D Mohanty, Executive Director (Materials)</b>		
<b>E-mail id: BIBHU.MOHANTY@NALCOINDIA.CO.IN</b>		
<b>Sl.no.</b>	<b>Description of item</b>	<b>Estimated Value of Procurement(Crs.)</b>
1	HFO(heavy Fuel Oil)	797.00
2	Caustic Soda	725.00
3	Calcined Petroleum Coke(CP Coke)	441.00
4	Coal Tar Pitch (CT Pitch)	173.00
5	Lime	63.00
6	LDO(Light Diesel Oil)	13.00
7	Pig Iron	11.00
8	Pulley Rim	12.00
9	Ordinary Cement	3.00
10	Portland Slag	3.00
11	HDPE Bags	2.00
12	Aluminium Flouride	80.80
13	Alloying Elements(Magnesium & Silicon)	6.00
<b>TOTAL</b>		<b>2329.80</b>

<b>Global Tender Enquiry (GTE) - Web hosting of 5 years Procurement Plan- NALCO</b>		
<b>Procurement Plan for the Year 2023-24 (excluding Coal)</b>		
<b>Contact Person: Shri B.D Mohanty, Executive Director (Materials)</b>		
<b>E-mail id: BIBHU.MOHANTY@NALCOINDIA.CO.IN</b>		
<b>Sl.no.</b>	<b>Description of item</b>	<b>Estimated Value of Procurement (Crs.)</b>
1	HFO(heavy Fuel Oil)	821.00
2	Caustic Soda	859.00
3	Calcined Petroleum Coke(CP Coke)	454.00
4	Coal Tar Pitch (CT Pitch)	178.00
5	Lime	65.00
6	LDO(Light Diesel Oil)	13.00
7	Pig Iron	11.00
8	Pulley Rim	13.00
9	Ordinary Cement	3.00
10	Portland Slag	3.00
11	HDPE Bags	2.00
12	Aluminium Flouride	80.80
13	Alloying Elements(Magnesium & Silicon)	6.00
<b>TOTAL</b>		<b>2508.80</b>

<b>Global Tender Enquiry (GTE) - Web hosting of 5 years Procurement Plan- NALCO</b>		
<b>Procurement Plan for the Year 2024-25 (excluding Coal)</b>		
<b>Contact Person: Shri B.D Mohanty, Executive Director (Materials), E-mail id: BIBHU.MOHANTY@NALCOINDIA.CO.IN</b>		
<b>Sl.no.</b>	<b>Description of item</b>	<b>Estimated Value of Procurement (Crs.)</b>
1	HFO(Heavy Fuel Oil)	846.00
2	Caustic Soda	1154.00
3	Calcined Petroleum Coke(CP Coke)	468.00
4	Coal Tar Pitch (CT Pitch)	183.00
5	Lime	67.00
6	LDO (Light Diesel Oil)	13.00
7	Pig Iron	12.00
8	Pulley Rim	13.00
9	Ordinary Cement	3.00
10	Portland Slag	3.00
11	HDPE Bags	2.00
12	Aluminium Flouride	80.80
13	Alloying Elements(Magnesium & Silicon)	6.00
<b>TOTAL</b>		<b>2850.80</b>

Contact person: Shri Srinivasa Subrahmanyam Neralla GGM (Smelter), E-mail id: srinivasa.neralla@nalcoindia.co.in								
Sl. No.	Category (Material/ Service/ Both)	Item Name/ short description	Unit of Measurement	Quantity per Year				
				2021-22	2022-23	2023-24	2024-25	2025-26
<b>Rolling Plant-Mech</b>								
1	Both Material & Service	Upgradation of Cut to Length Machine in Rolling Plant	No	-	-	1	-	-
<b>Carbon Area-Mechanical</b>								
1	Both Material & Service	Revamping of Anode Cleaning Station in Rodding Shop-1	No	-	-	1	-	-
2	Both Material & Service	Upgradation of Stacking Cranes with Mechanical Grab assembly and modified lifting arrangement of Rodding Shop-1.	No	-	1	-	1	-
3	Both Material & Service	Replacement of Complete Pre-heating Screw of GAP-1.	No	-	-	1	-	-
<b>Capital Repair Group</b>								
1	Both Material & Service	Revamping of Mixing Line in GAP I	No	0	1	0	0	0
2	Both Material & Service	Anode Butt Inspection System in Anode Rodding Shop-1	No	1	0	0	0	0
3	Both Material & Service	New FTA-1 Of ABF-1	No	1	0	0	0	0
4	Both Material & Service	Rectifier Transformer for PL-1 & 2	No	1	0	0	0	0
5	Both Material & Service	11th Rectifier Group for Potline 3 & 4	No	1	0	0	0	0
6	Both Material & Service	Thimble Shot Blasting M/c for RS-1	No	1	0	0	0	0
7	Both Material & Service	Ladle skimming station revamping	No	1	0	0	0	0
8	Both Material & Service	GAP-2 Anode Vibro-Compactor Upgradation	No	1	0	0	0	0
9	Both Material & Service	Cathode Preheating System	No	0	0	1	0	0
10	Both Material & Service	Beam raising jig & Trailer	No	1	0	0	0	0
11	Both Material & Service	Ladle Cleaning Machine at new LPC Shop	No	1	0	0	0	0
12	Both Material & Service	Ladle skimming station & weigh bridge for Angul Aluminium Park	No	1	0	0	0	0
13	Both Material & Service	Natural Gas Burners for Anode Baking Furnace	No	0	550	0	0	0
14	Both Material & Service	Natural Gas Burners for Open Hearth Furnace	No	0	60	0	0	0
<b>Carbon Area-Instrumentation</b>								
1	Both Material & Service	Upgradation of obsolete Fire Regulation system of ABF-1	No	0	0	0	0	1
<b>Pot line–Operation (Basis 120 Pots per year)</b>								
1	Material	Graphitized Carbon cathode carbon bottom block	SET	120	120	120	120	120
2	Material	Semi graphitic cathode carbon side slab	No.	10,440	10,440	10,440	10,440	10,440
3	Material	TRM	MT	600	600	600	600	600
4	Material	BIL Bricks	No.	4,44,000	4,44,000	4,44,000	4,44,000	4,44,000



**Global Tender Enquirv (GTE) - Web hosting of 5 years Procurement Plan of Smelter Plant - NALCO**

Contact person: Shri Srinivasa Subrahmanvam Neralla GGM (Smelter). E-mail id: srinivasa.neralla@nalcoindia.co.in

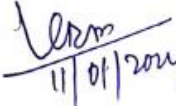
Sl. No.	Category (Material/Service/ Both)	Item Name/ short description	Unit of Measurement	Quantity per Year				
				2021-22	2022-23	2023-24	2024-25	2025-26
<b>Cast house-Operation</b>								
1	Material	Ceramic Foam Filter sz:- 20"x20"x2"	No	2200	2200	2200	2200	2200
2	Material	Header Plate for Tee	No	220	220	220	220	220
3	Material	Transition plate for 6" Air cast billet	No	100	100	100	100	100
4	Material	Transition plate for 7" Air cast billet	No	200	200	200	200	200
5	Material	Transition plate for 8" Air cast billet	No	100	100	100	100	100
6	Material	Transition plate for 9" Air cast billet	No	100	100	100	100	100
7	Material	Thimble for 6" and 7" air cast billet	No	250	250	250	250	250
8	Material	Thimble for 8" ,9" and 10" air cast billet	No	200	200	200	200	200
9	Material	Table refractory for 6" & 7" WAGSTAFF billet casting table	No	1	1	1	1	1
10	Material	Table refractory for 8",9" & 10" LOMA billet casting table	LOT	1	1	1	1	1
11	Material	Boron Nitride Alu-stop-LC 25 for transition plate	Liter	400	400	400	400	400
12	Raw Material	Silicon Metal	MT	<b>190</b>	<b>190</b>	<b>190</b>	<b>190</b>	<b>190</b>
13	Raw Material	Magnesium Metal	MT	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>150</b>
14	Raw Material	Tibor rod	MT	<b>112</b>	<b>112</b>	<b>112</b>	<b>112</b>	<b>112</b>

Contact person: Shri Rashid Waris, GGM ( Mines)-I, E-mail Id: rashid.waris@nalcoindia.co.in

Sl. No.	Category (Material /Service/Both)	Item name / Short description	UOM	Quantity per year				
				2024-25	2025-26	2026-27	2027-28	2028-29
1	Material	Drive rope 51mm diameter for CB	mtr	31000	31000	0	0	0
2	Material	1137/1067/ offset shoe belt for CB conveyor	mtr	4000	3000	2000	2000	2000
3	Material	2134mm diameter deflection pulley	Each	4	4	4	4	4
4	Material	Koepe liner assembly	set	0	2	0	2	0
5	Material	Wheel Loader	Each	2	2	2	2	2
6	Material	Wheel Dozer	Each	0	1	1	1	0
7	Material	Ripper Dozer	Each	2		2		
8	Material	High capacity Backhoe Excavator	Each	1	0	0	0	0
9	Material	Motor Grader	Each	0	1	0	0	0

  
**Udeswar Mehta**  
 Dy. General Manager (Mech.)  
 NALCO, Damanjodi-763008

  
**MANORANJAN PANDA**  
 Dy. General Manager (Mech.)  
 NALCO Mines, Damanjodi

  
 11/01/2024  
**B. R. Das**  
 Gm (Mech.) - HEMM

**Global Tender Enquiry (GTE) - Web hosting of 5 years procurement plan- Refinery Unit-NALCO**

<b>Contact person: Shri P.K Behera, GGM (AR), E-mail id: pramod.behera@nalcoindia.co.in</b>								
Sl. No.	Category (Material/ Service/ Both)	Item Name/ short description	Unit of Measurement	Quantity per Year				
				2021-22	2022-23	2023-24	2024-25	2025-26
1	Material	WD-XRF (Wave length Dispersive X-Ray Fluorescence)	No./ Each	1	0	0	0	0
2	Material	Rake drive for HRD DCW tanks for streams 1, 2 & 3 suiting to M/s Rio Tinto Alcan supplied rake mechanism.	Set	9	0	0	0	0
3	Material	Wheel mounted pay loader for carrying coal/ bauxite with bucket capacity 6 to 7 m3 and engine power 500 to 550 BHP.	No./Each	1	0	1	0	1
4	Material	Thermograph DPA-DCS.	Each	1	0	0	0	0
5	Material	Inter stage cooler type UXP area:2954 m2 (4000 kw)	Each	3	2	2	1	0
6	Material	Welded plate heat exchanger ISC PH4 (6675 kw)	Each	0	0	1	0	1
7	Material	Agitator gear box for PH - 1 & 2 spent liquor tank (MF 32I2AN)	Each	0	0	1	0	1
8	Material	Agitator gear box for PH - 3 & 4 spent liquor tank (sice 96c56-im-v1)	Each	0	1	0	0	1
9	Material	Air lift cloth for plant a and b, single annular piece	Each	3	3	3	3	3
10	Material	Air lift cloth for plant c	Each	4	4	4	4	4
11	Material	Fluidising fabric cloth (woven type) for plant a, b & c discharge air slides	Mtr	50	50	50	50	50
12	Material	Fluidising fabric cloth (woven type) for plant A, B and C ESP air slides,	Mtr	25	25	25	25	25
13	Material	Air slide cloth,size:1500*1500mm, thickness:5mm,	Each	3	0	3	0	3
14	Material	Fluidization fabric for Air slide size, width: 1000mm, thickness: 5mm,	Mtr	20	0	20	0	20
15	Material	Fluidization fabric for air slide, size: 610 mm width,	Mtr	30	0	30	0	30

**Global Tender Enquiry (GTE) - Web hosting of 5 years procurement plan: Imported items – Refinery unit**

<b>Contact person: Shri P.K Behera, GGM (AR), E-mail id: pramod.behera@nalcoindia.co.in</b>								
Sl. No.	Category (Material/ Service/ Both)	Item Name/ short description	Unit of Measurement	Quantity per Year				
				2021-22	2022-23	2023-24	2024-25	2025-26
16	Material	Fluidization fabric for Air slide size:715mm width,	Mtr	20	0	20	0	20

17	Material	Air slide cloth 1200 mm square, thickness:5mm,	Each	3	0	3	0	3
18	Material	Fluidization fabric (woven type) for air slide.	Mtr	20	0	20	0	20
19	Material	Fluidization fabric (woven type) for air slide size: width 1000mm, thickness: 5 mm	Mtr	50	0	50	0	50
20	Material	Fluidising fabric cloth (woven type), size- 1400 mm. x 1400 mm., thickness- 5 mm.	Each	3	0	3	0	3
21	Material	Fluidising fabric cloth (woven type) pipe dia- 80 mm., thickness- 5 mm.	Mtr	150	0	150	0	150
22	Material	Fluidising fabric cloth (woven type) size: width- 464 mm., thickness- 5 mm.	Mtr	20	0	20	0	20
23	Material	Fluidising fabric cloth (woven type) size: width- 465 mm., thickness- 5 mm.	Mtr	20	0	20	0	20
24	Material	Ball mill trunnion bearing 239/1060 k c3	Each	4	0	0	0	0

**NB:** No service or works procurement, are being envisaged for the Alumina refinery.

Global Tender Enquiry (GTE) - Web hosting of 5 years Procurement Plan of Smelter Plant – NALCO



Shri Srinivasa Subrahmanyam Neralla GGM (Smelter), E-mail id: <a href="mailto:srinivasa.neralla@nalcoindia.co.in">srinivasa.neralla@nalcoindia.co.in</a>								
Sl No	Category (Material/Service/Both)	Item Name/Short Description	Unit of Measure ment	Quantity per Year				
				2021-22	2022-23	2023-24	2024-25	2025-26
1	Both Material & Service	ARTICULATED BOOM LIFT-41 MTR	EA	1	-	-	-	-



<b>Contact person: Shri Manoranjan Acharya, Group General Manager (CPP), E-mail id: manoranjan.acharya@nalcoindia.co.in</b>								
Sl No	Category (Material/Service/Both)	Item Name/Short Description	Unit of Measurement	Quantity per Year				
				2021-22	2022-23	2023-24	2024-25	2025-26
1	Both Material & Service	ARTICULATED BOOM LIFT-24 to 26 MTR	EA	1	-	-	-	-

Global Tender Enquiry (GTE) - Web hosting of 5 years Procurement plan- NRTC, NALCO

<b>Contact person: Mrs. Binuta Patra, GGM(R&amp;D), Email id: binuta.patra@nalcoindia.co.in</b>								
Sl No	Category	Description of item	Unit of measurement	Quantity per year				
				2022-23	2023-24	2024-25	2025-26	2026-27
1	Both Material & service	Induction melting furnace (Capacity : 500 Kgs)	No		1			
2	Both Material & service	Air slip billet casting machine (6 inch diameter and two strands)	No		1			
3	Both Material & service	Billet homogenizing furnace (3-Zone, 1100° C )	No		1			
4	Both Material & service	Billet cutting machine ( High speed Band saw, 5 HP)	No		1			
5	Material	Hydrogen analyzer	No		1			
6	Material	Ultrasonic flaw detection instrument	No		1			
7	Material & service	Lathe	No		1			

Contact person: Sh VSS Anand, GGM(Mines)-I, E-mail Id: gm\_mines@nalcoindia.co.in

Sl no	Category (Material/ service/Both)	Item name /short description	UOM	Quantity per Year				
				2025-26	2026-27	2027-28	2028-29	2029-30
1	Material	Drive Rope 51mmDia for CB	Mtr					62000
2	Material	1137/1067/Off set shoe belt for CB Conveyor	Mtr	7000*	7000	5000	5000	5000
3	Material	Wheel Loader with bucket capacity 10.5-14M <sup>3</sup> & Min 800FHP(Net)	Each	2	2	2	2	2
4	Material	Crawler mounted Ripper Dozer with semi U blade of volumetric capacity 25-30M <sup>3</sup> & Min 850FHP	Each	2	2	0	0	0
5	Material	Crawler mounted hydraulic back hoe Excavator with 10-12M <sup>3</sup> Bucket capacity & Min 945FHP	Each	1	0	0	0	0

- Procurement action already in progress.

  
**BISWA RANJAN DAS**  
 General Manager (Mechanical)  
 NALCO Mines, Damanjodi-763008

  
**MANORANJAN PANDA**  
 General Manager (Mech.)  
 NALCO, Mines, Damanjodi