

**PROJECT FOR THE MANUFACTURE OF NON-FERRIC ALUM**

**CAPACITY 10 MT PER DAY**

*use* Paper & Textile

**LIST OF PLANT & MACHINERY**

		<u>Quantity</u>	<u>Rate</u> <u>US \$</u>	<u>Amount</u> <u>US \$</u>
1.	Sulfuric Acid Storage tank M/s. 10 mm thick capacity 10 MT size 6½' dia x 12½' long with pumps. 2" x 2" line, manhole with cover inlet, outlet, stand, valves complete.	5 Nos.	10,000	50,000
2.	Alum Crusher Pulveriser 7.5 HP motor, speed reducer crusher capacity 1 MT per Hour, All accessories attached.	1 No.	14,500	14,500
3.	Bucket Elevator 2 HP complete Accessories with buckets upto height of 15 ft. from ground upto the Reactor.	1 No.	11,200	11,200

4.	<p>Steam Boiler 2  MT/Hour steam  Heated with compact  thermic Fluid, Diesel  gas fired complete  Accessories, pipelines  2" dia, valves,  gauges of pressure,  valves, safety valves,  insulation, water  softner etc.</p>	1 No.	35,000	35,000
5.	<p>M/s. Lead Lined  Reactors, Capacity 5  MT size 5½" dia x 8'  ht. Homogenised  Lead Lining 5 mm on  M/s. 6 mm 10 HP  Motor, spead reduces  complete top  manhole with cover,  bottom set with one  discharge gate valve  4" &amp; 2" lines from  sulfuric acid lifting  pumps.</p>	2 Nos.	32,000	64,000

6.	Vacuum Evaporator capacity 10 MT with all arrangements 5 mm. M/s with Homogenised 5 mm Lead Lined., pipe lines with mist type water jet vacuum condenser, evaporator size 6½' dia x 12½ ht. top entry line 4" from Reactor.	01 Nos.	35,000	35,000
7.	Pollution control for Acid fumer. Placed on the top of the reactor fitted with cold water sprinklers and recycled to Reactor.	-	-	25,000
8.	Testing Lab equipments	-	-	5,000
9.	Weigh Bridge 10 MT electronic and computerized.	1 No.	27,000	27,000

10.	Staging, support, Ladder, railing, put bolts etc.	-	-	22,500
11.	Pipes, valves, pumps Motors etc.	-	-	30,500
12.	Maintenance Workshop viz. lathe, drill, cutting, welding, tools and tackles etc.	-	-	23,500
13.	Conveyers Horizontal with 2 HP motors, gears, controls etc.	04 Pcs.	-	15,000
14.	Ammonium Alum, Potash Alum System	-	-	35,000
15.	S/S Tray 200 X 50 Kg. Misc. Tools Tackker & Spares:	-	-	40,500

Terms & Conditions :

- a) Payment through LC, RATES EX KOLKATA.
- b) Validity of quotation 90 days.
- c) Packing extra 5%, Delivery 120-150 days C & F Benopole, Extra 5%.

- d) Erection Commission Trial Run, Turn Key extra 10%.
- e) Required HP – 70 + 20, SHED ASBESTOS 150 ft. x 100 ft. x 45 ft. H.
- f) Required Manpower 10 skilled + 15 unskilled.
- g) All civil, electrical, Labour.

Local purchase on your side.

- h) To & Fro Travelling, Food & Lodging & Local Pocket money TK 500/- per day for our engineers, on your side.
- i) Warranty against any Mechanical Fault is one year Life of Acid Lifting Pumps & Valves is 90 days max.
- j) Terms Negotiable.
- k) Complete specifications will be provided on placement of orders, specifications may be changed for the betterment of the project at the time of manufacture.

**PROCESS FLOWCHART FOR THE  
MANUFACTURE OF  
NON-FERRIC ALUM 10MT / DAY  
17% AL2O3 CONTENT**

