

Reagent Handling Scheme (RHS)

ANNEXURE-1

Technical Details for ROTARY VALVES

S.No	Description	Unit	Requirments.
	Tag no:		14 RV-1A1/ 1A2/ 1B1/ 1B2 & 14 RV-2A1/ 2A2/ 2B1/ 2B2
	Total Quantity required		08 no's
	Equipment. No		14 RV-1A1/ 1A2/ 1B1/ 1B2 & 14 RV-2A1/ 2A2/ 2B1/ 2B2
1	Equipment ame		Rotary Feeder
2	Qty		8 no's
3	Function	No's	Controlled Feed to Enmasse Conveyor
4	Manufacturer/ Model No:		DEPL/350
5	Material Data		
6	Material handled		Sodium Bi carbonate/ Light Soda Ash
7	Bulk Density	Kg/m3	550
8	Capacity Normal/Design	TPH	8/15
9	Temp.(Normal/ Design)	Deg. "C"	ATM
10	Abrasive		Moderate
11	hygroscopic		High
12	Corrosive		Moderate
13	particle size	WT %	+16 Mesh 0.6, +44 Mesh 1.18, +72 Mesh 3.87, +100 Mesh
14	Moisture content		Less than 0.1% mass
15	Angle of repose	Deg	32-35
16	Duty/ Installation		Continous/ Indoor
17	General data		
18	Type		Drough Through
19	Size		350 NB
20	Capacity MAX/ Nor./ Min	TPH	3 -7.75
21	Speed Rpm	rpm	18 RPM
22	VFD Driven		YES
23	Installation		INDOOR
24	Flange Drilling		ANSI B 16.5, #150
25	Construction		
26	Housing		Fabricated
27	Rotor		Fabricated
28	Rotor Type	mm	Pocket type rotor
29	Rotor Diameter		350
30	Seal Type		Gland Sealing
31	Material of Construction		
32	Housing	mm thk	SS mm 8 THK-304

(Handwritten Signature)