

List of Plant & Machinery

S No.	Details of Equipments	Capacity	Qty
Section -A	Milk reception & Processing (2.80 L/ Day)		
1	Milk Separator	30 KL/HR	1
2	Milk Separator	25 KL/HR	1
3	Milk Pasteuriser	20 KL/HR	1
4	Milk Pasteuriser	30 KL/HR	1
5	Milk Chiller	20 KL/HR	1
6	Milk Storage Silo	✓ 60 KL	1
7	Milk Storage Silo	✓ 60 KL	1
8	Skim Milk Storage Silo	✓ 70 KL	1
9	Skim Milk Storage Silo	✓ 70 KL	1
10	Skim Milk Storage Silo	✓ 70 KL	1
11	Skim Milk Storage Silo	✓ 70 KL	1
12	RO Storage Silo <i>water</i>	✓ 70 KL	1
Section -B	Butter & Ghee Manufacturing (10 MT/Day)		
✓ 1	Cream Pasteuriser	5 KL/ HR	1
2	Cream Storage Tank	8 KL	1
3	Cream Storage Tank	8 KL	1
✓ 4	Butter Churner	2 KL	1
✓ 5	Butter Churner	2 KL	1
✓ 6	Butter Churner	2 KL	1
7	Butter Melting VAT	2 KL	1
8	Butter Trolley	800 Kg	1
9	Butter Trolley	800 Kg	1
10	Butter Trolley	800 Kg	1
11	Pre Storage Tank	2 KL	1
12	Pre Storage Tank	2 KL	1
✓ 13	Ghee Boiler	2 KL	1
✓ 14	Ghee Boiler	2 KL	1
✓ 15	Ghee Boiler	2 KL	1
✓ 16	Ghee Settling Tank	2 KL	1
✓ 17	Ghee Settling Tank	2 KL	1
18	Ghee Settling Tank	2 KL	1
✓ 19	Ghee Settling Tank	2 KL	1
✓ 20	Ghee Clarifier	1 KL	1
✓ 21	Ghee Clarifier	2 KL	1
✓ 22	Ghee Storage Tank	8 KL	1
✓ 23	Ghee Storage Tank	8 KL	1
✓ 24	Ghee Storage Tank	8 KL	1
✓ 25	Ghee Storage Tank	8 KL	1
26	Ghee Packing M/C (Ceka)	720 Pouch /HR	1
27	Ghee Packing M/C (Ceka)	720 Pouch /HR	1
28	Tin Lid Sealing M/C		1
29	Jar Wrapping Machine		1
30	Printer		1
31	Butter Cold Storage	40 MT/Day	2
32	Ghee Cold Storage	30 MT/Day	1

Section -C		Coagulation & Casien Dryer (9 MT/ Dryer)	
1	Decanter	30 KL/ HR	1
2	Decanter	30 KL/ HR	1
3	Decanter	20 KL/ HR	1
4	Decanter	20 KL/ HR	1
5	Whey Clarifier	30 KL/ HR	1
6	Whey Clarifier	20 KL/ HR	1
7	Ring Dryer	650 KG/ HR	1
8	Tubulars		1
9	Tubulars		1
10	Tubulars		1
11	Tubulars		1
12	Whey Pasteurizer	25 KL/HR	1
13	Whey Pasteurizer	25 KL/HR	1
14	Plate Heat Exchanger	10 KL/HR	1
15	Plate Heat Exchanger	10 KL/HR	1
16	Plate Heat Exchanger	10 KL/HR	1
17	Casien Wash Tank	2 KL	1
18	Casien Wash Tank	3 KL	1
19	Casien Wash Tank	4 KL	1
20	Casien Wash Tank	7.5 KL	1
21	Casien Mill- Alpine		1
22	Casien Mill- Axtel	500 Hz	1
23	Casien Storage Silo	7 MT	1
24	Casien Storage Silo	7 MT	1
25	Casien Storage Silo	7 MT	1
26	Casien Storage Silo	7 MT	1
27	Casien Storage Silo	2500 KG	1
28	Vibro		1
29	Whey Storage Tank	10 KL/HR	1
30	Whey Storage Tank	10 KL/HR	1
31	Root Blower		1
32	Root Blower		1
33	Root Blower		1
34	Root Blower		1
35	Root Blower		1
36	Casien Radiator		1
37	Casien Radiator		1
38	Casien Radiator		1
39	Casien Radiator		1
40	Hot Water Battery		1
41	Hot Water Battery		1
42	Hot Water Battery		1
43	Acid Dosing System	400 LPH	1 Unit
44	Vibro Dehumidifier		1
Section -D		Nanofiltration & Ultrafiltration (30 MT/Day)	
1	Membrane Stages	30000 LPH	1 Unit
2	Membrane Stages	20000 LPH	1 Unit
3	Whey Storage Tank ✓	80 KL	1

4	Whey Storage Tank	80 KL	1
5	Whey Storage Tank	80 KL	1
6	Whey Storage Tank	80 KL	1
7	WPC Storage Tank	10 KL	1
8	WPC Storage Tank	10 KL	1
9	WPC Storage Tank	10 KL	1
10	Chiller	5 KL	1
11	Chiller	5 KL	1
12	Chiller	5 KL	1
13	Chiller	5 KL	1
14	Chiller	5 KL	1
15	Wash Water Tank	8 KL	1

Section -E		Evaporator & Spray Dryer (20 MT/Day)	
1	Evaporating Plant	2500 LPH	1 Unit
2	Evaporating Plant	1000 LPH	1 Unit
3	Hydration Tank	15 KL	1
4	Hydration Tank	15 KL	1
5	Tubular Heater	2 KL	1
6	Hot Water Tank	40 KL	1
7	Water Storage Tank	20 KL/HR	1
8	High Pressure Pump	3 KL /HR	1
9	High Pressure Pump	4 KL/ HR	1
10	Homogeniser	2 KL/HR	1
11	Homogeniser	4 KL/HR	1
12	Concentrate VAT	2 KL	1
13	Concentrate VAT	2 KL	1
14	Drying Chamber	20TPD	1
15	Shifter	1 TPH	1
16	Cooling Tower	500 TR	1
17	Cooling Tower- Small	50 TR	1
18	Batch Evaporator	1.5 KI	1
19	Batch Evaporator	1.5 KI	1
20	RE Constitution Tank	2 KL	1
21	Slurry Tank	2 KL	1
22	Ventury Hopper	50 L	1
23	Heat Exchanger		1
24	Heat Exchanger		1
25	Heat Exchanger		1
26	Heat Exchanger		1
27	Heat Exchanger		1

Section -E		New Spray Dryer (20 MT/Day)	
1	Evaporating Plant	2500 LPH	1 Unit
2	Evaporating Plant	1000 LPH	1 Unit
3	Water Storage Tank	60 KL	1
4	High Pressure Pump	3 KL /HR	1
5	High Pressure Pump	4 KL/ HR	1
6	Homogeniser	2 KL/HR	1
7	Concentrate VAT	1 KL	1

8	Concentrate VAT	1 KL	1
9	Drying Chamber	20TPD	1
10	Shifter	1 TPH	1
11	FBD	1TPH	1
12	SCM Packing Materials Sterlizer		1 Set
13	Metal Dedector		1 Set
Section -F			
Pilot Dryer (2 MT/Day)			
1	Evaporating Plant	250 LPH	1
2	High Pressure Pump	300 LPH	1
3	Homogeniser	300 LPH	1
4	Storage Tank	500 L	1
5	Storage Tank	500 L	1
6	Storage Tank	500 L	1
7	Storage Tank	800 L	1
8	Chamber	2 MT	1
9	FBD	100 Kg /Hr	1
10	Shifter	100 Kg /Hr	1
Section -G			
Lactose (15 MT/Day)			
1	Decanter	2 LKL/HR	1
2	Decanter	2 LKL/HR	1
3	Decanter	3 LKL/HR	1
4	Crystalizer	15 KL	1
5	Crystalizer	15 KL	1
6	Crystalizer	15 KL	1
7	Crystalizer	15 KL	1
8	Crystalizer	15 KL	1
9	Crystalizer	15 KL	1
10	Crystalizer	15 KL	1
11	Crystalizer	15 KL	1
12	Permeate Storage Tank	20 KL/HR	1
13	Permeate Storage Tank	20 KL/HR	1
14	Permeate Storage Tank	20 KL/HR	1
15	Cation	60 KL	1
16	Anion	60 KL	1
17	Hot Water Tank	5 KL	1
18	Chilled Water Tank	8 KL	1
19	Lactose Dryer	700 KG/HR	1 LOT
20	Filter Press	4 KL/HR	1
21	Chiller	10 KL	1
22	Chiller	10 KL	1
23	Refining Tank	10 KL	1
24	Refining Tank	10 KL	1
25	PHE	10 KL/HR	1
26	Chiller	300 LPH	1
27	Lactose Mill	720 KG/HR	1 Unit
Section -H			
CIP System			
1	CIP Tank	5 KL	1

	2	CIP Tank	5 KL	1
	3	CIP Tank	5 KL	1
	4	CIP Tank	5 KL	1
	5	Chemical Storage Tank	10 KL	1
	6	Chemical Storage Tank	10 KL	1
	7	Chemical Storage Tank	10 KL	1
	8	Chemical Storage Tank	10 KL	1
	9	Chemical Storage Tank	10 KL	1
	10	Chemical Storage Tank	10 KL	1
	11	HCL Storage Tank	10 KL	1
	12	HCL Storage Tank	10 KL	1
	13	Nitric Acid Storage Tank	15 KL	1
	14	Caustic Storage Tank	15 KL	1
	15	Storage Tank-PVC	10 KL	1
	16	Storage Tank-PVC	5 KL	1
	17	Storage Tank-PVC	5 KL	1
	18	Water Storage Tank	30 KL	1
Section -I		Steam Generation		
	1	Boiler	15 TPH	1 Lot
	2	Boiler	10 TPH	1 Lot
	3	Feed Water Tank	10 KL	1
	4	Feed Water Tank	10 KL	1
Section -J		Refrigeration		
	1	Ammonia Screw Compressor	137 TR	1
	2	Ammonia Screw Compressor	137 TR	1
	3	Ammonia Compressor	90 TR	1
	4	Ammonia Compressor	90 TR	1
	5	Ammonia Compressor	90 TR	1
	6	Ammonia Compressor	90 TR	1
	7	Air Compressor	309 CFM	1
	8	Air Compressor	160 CFM	1
	9	Air Compressor	160 CFM	1
	10	Air Dryer	400 CFM	1
	11	IBT	80 KL	1
	12	IBT	80 KL	1
	13	IBT	80 KL	1
	14	IBT	80 KL	1
	15	Cooling Tower	300 TR	1
	16	Cooling Tower	300 TR	1
	17	Condenser Coil		1 Set
	18	Condenser Coil		1 Set
Section -K		Water Management		
	1	RO Plant	25 KL/HR	1 Lot
	2	Softener	8 KL/HR	1 Lot
	3	MGF		1
	4	UG Raw Water Storage Tank	40 KL	1
	5	UG Raw Water Storage Tank	40 KL	1

	6	UG Raw Water Storage Tank	40 KL	1
	7	UG Raw Water Storage Tank	40 KL	1
Section -L		ETP		
	1	ETP Tank & Aereation System	2 L LTR	1
	2	Floculation Tank	30 KL	1
	3	Primary Clarifier	5 KL	1
	4	Primary Clarifier	5 KL	1
	5	AT Tank	4 L LTR	1
	6	Aereator	20 HP	1
	7	Aereator	20 HP	1
	8	Aereator	20 HP	1
	9	Secondary Clarifier	1 L LTR	1
	10	Sludge Drying Beds		12
	11	Effluent Disposal Pump		1
	12	Flash Mixture		1
	13	Electric Gerber Centrifuge *FG - 3670		1
Section -M		Others		
	1	DG Set	856 KVA	3
	2	DG Set	125 KVA	1
	3	GC Machine		1