

Company Name: HALPG Bottling co. Ltd.

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Team Leader

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Designation: Electrical Engineer

Sl. No.	Equipment Name	Details	Department Installed	Annual energy Costs Rs.	Present book value of the equipment Rs.	Estimated procurement cost for the new one Rs.	Age of the equipment (Years)	Remaining useful life (Years)	Annual Depreciation (%)	R old	R new
				(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
1	Motor 1	15 kW - coupled 12 kW fan for 4000 hrs.	Production Unit - 2	180000	3600	18000	8	2	10.00	500.00	100.00
2	Fan 1	12 kW (15 kW motor) for 4000 hrs.	Production Unit - 2	180000	4000	20000	8	2	10.00	450.00	90.00
3	Cryo Motor1	93 kW motor mounted on 59 kW pump for 1296 hrs.	Operations	344000	750000	1000000	7	13	17.30	2.65	1.99
4	Cryo pump1	59 kW(93 kW motor)for 1296 hrs.	Operations	344000	3000000	4500000	7	13	19.50	0.59	0.39
5	Cryo Motor2	93 kW motor mounted on 76 kW pump for 3600 hrs.	Operations	1231000	700000	1000000	7	13	18.60	9.45	6.62
6	Cryo pump2	76 kW (93 kW)motor for 3600 hrs.	Operations	1231000	3000000	4500000	7	13	19.50	2.10	1.40
7	Booster motor3	160 kw motor coupled to 148 kw pump for 3600 hrs	Operations	2400000	1400000	2000000	7	13	18.60	9.22	6.45
8	Booster pump3	148 kW (160 kW Motor)for 3600hrs.	Operations	2400000	3000000	4500000	7	13	19.50	4.10	2.74
9	CW motor4	75 kW motor coupled with 70 kW pump for 2920 hrs	Operations	919800	700000	125000	7	8	14.30	92.00	51.50
10	CW pump4	70 kW pump(75 motor)	Operations	919800	190000	275000	3	12	17.40	27.80	19.22
11	CW motor5	75 kW motor coupled with 70 kW pump for 2920 hrs	Operations	854100	70000	125000	7	8	14.30	85.30	47.80
12	CW pump5	65 kW pump(75 motor)	Operations	854100	200000	275000	3	12	16.50	25.88	18.80
13	Motor 6	45 kW motor belt driven (42 kW)	Operations	1088640	26000	88000	7	3	10.15	412.50	121.88

Compressors for 5760 hrs											
14	Compressor 1	42 kW(45 kW motor)for 5760 hrs	Operations	1088640	60000	200000	7	3	10.00	181.44	54.40
15	Motor 7	45 kW motor belt driven (42 kW)	Operations	567000	26000	88000	7	3	10.15	215.00	63.50
Compressors for 2800 hrs											
16	Compressor 2	42 kW(45 kW motor)for 2800 hrs	Operations	567000	60000	200000	7	3	10.00	94.50	28.35
17	Motor 8	5 kW coupled with 3 kW pump for2100hrs	Operations	28300	34000	50000	7	13	19	4.38	2.97
18	Pump 8	3 kW (5 kW motor)for 2100 hrs	Operations	28300	75000	120000	7	13	20.8	1.81	1.133
19	Motor 9	220 kW motor coupled 190 kW compressor	Operations	2975400	710000	1000000	7	13	18.3	22.9	16.26
20	Compressor 3	for 3480 hrs 190 kW Comp(220 kW Motor) for 3480 hrs	Operations	2975400	5000000	7500000	7	13	19.5	3.05	2.034

SL. No.	Equipment Name	Details	Department Installed	Annual energy Costs RS.	Present book value of the equipment RS.	Estimated procurement cost for the new one RS.	Age of the equipment (Years)	Remaining useful life (Years)	Annual Depreciation (%)	R old	R new
				(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
1	Motor 1	15 kW - coupled 12 kW fan for 4000 hrs.	Production Unit - 2	180000	3600	18000	8	2	10	500	100
2	Fan 1	12 kW (15 kW motor) for 4000 hrs.	Production Unit - 2	180000	4000	20000	8	2	10	450	90
3	Cryo Motor1	93 kW motor mounted on 59 kW pump for 1296 hrs.	Operations	344000	750000	1000000	7	13	17.3	2.65	1.99
4	Cryo pump1	59 kW(93 kW motor)for 1296 hrs.	Operations	344000	3000000	4500000	7	13	19.5	0.59	0.39
5	Cryo Motor2	93 kW motor mounted on 76 kW pump for 3600 hrs.	Operations	1231000	700000	1000000	7	13	18.6	9.45	6.62
6	Cryo pump2	76 kW (93 kW)motor for 3600 hrs.	Operations	1231000	3000000	4500000	7	13	19.5	2.1	1.4

7	Booster motor3	160 kW motor coupled to 148 kW pump for 3600 hrs	Operations	2400000	1400000	2000000	7	13	18.6	9.22	6.45
8	Booster pump3	148 kW (160 kW Motor)for 3600hrs.	Operations	2400000	3000000	4500000	7	13	19.5	4.1	2.74
9	CW motor4	75 kW motor coupled with 70 kW punp for 2920 hrs	Operations	919800	700000	125000	7	8	14.3	92	51.5
10	CW pump4	70 kW pump(75 motor)	Operations	919800	190000	275000	3	12	17.4	27.8	19.22
11	CW motor5	75 kW motor coupled with 70 kW pump for 2920 hrs	Operations	854100	70000	125000	7	8	14.3	85.3	47.8
12	CW pump5	65 kW pump(75 motor)	Operations	854100	200000	275000	3	12	16.5	25.88	18.8
13	Motor 6	45 kW motor belt driven (42 kW) Compressors for 5760 hrs	Operations	1088640	26000	88000	7	3	10.15	412.5	121.88
14	Compressor 1	42 kW(45 kW motor)for 5760 hrs	Operations	1088640	60000	200000	7	3	10	181.44	54.4
15	Motor 7	45 kW motor belt driven (42 kW) Compressors for 2800 hrs	Operations	567000	26000	88000	7	3	10.15	215	63.5
16	Compressor 2	42 kW(45 kW motor)for 2800 hrs	Operations	567000	60000	200000	7	3	10	94.5	28.35
17	Motor 8	5 kW coupled with 3 kW pump for2100hrs	Operations	28300	34000	50000	7	13	19	4.38	2.97
18	Pump 8	3 kW (5 kW motor)for 2100 hrs	Operations	28300	75000	120000	7	13	20.8	1.81	1.133
19	Motor 9	220 kW motor coupled 190 kW compressor for 3480 hrs	Operations	2975400	710000	1000000	7	13	18.3	22.9	16.26
20	Compressor 3	190 kW Comp(220 kW Motor) for 3480 hrs	Operations	2975400	5000000	7500000	7	13	19.5	3.05	2.034
21	Motor 10	220 kW motor coupled 190 kW compressor for 3000 hrs	Operations	2565000	710000	1000000	7	13	18.3	19.74	14.01

22	Compressor 4	190 kW Comp(220 kW Motor) for 3000 hrs	Operations	2565000	5000000	7500000	7	13	19.5	2.63	1.754
23	Motor 11	540 kW motor coupled 520 kW compressor for 950 hrs	Operations	2223000	1900000	2900000	7	13	19.8	5.9	3.871
24	Compressor 5	520 kW (540 kW motor)for 950 hrs	Operations	2223000	15000000	22000000	7	13	19	0.78	0.53