

**TEXCONN ENERGY SAVING FAN INSTALLATION REPORT - SEPTEMBER 2022**

SL.No.	Unit	Plant Description	Supply/ Exhaust	Installed KW		Aluminium Fan			TEXCONN Fan			Total Energy Savings in Units/Hr	% of Air volume Reduction/Increase	CMH Less / Excess
						Before Air Volume	Before Energy Consumption		After Air Volume	After Energy Consumption				
				Fan 1	Fan 2		Fan 1	Fan 2		Fan 1	Fan 2			
1	A	Plant No:8 Auto coner	Exhaust	5.5	5.5	68400	5.0	5.0	69050	4.8	4.0	1.2	1.0	650
2	C	Plant No: 6 - KTTM Spg	Exhaust	15.0	15.0	143784	14.6	14.5	139596	11.7	11.6	5.8	-2.9	-4188
3	C	Plant No: 7 - KTTM Spg	Exhaust	15.0	15.0	144072	12.5	12.5	142223	10.8	10.8	3.4	-1.3	-1849
4	A	Plant No: 3 - Spg A line 1-9	Supply	22.0	-	150617	9.7	-	147888	7.9	-	1.8	-1.8	-2729
5	A	Plant No:8 Auto coner	Supply	7.5	7.5	123016	3.2	3.2	130420	2.4	2.5	1.4	6.0	7404
6	A	Plant No:4 Spg A line	Exhaust	22.0	-	137772	9.8	-	128700	8.9	-	0.9	-6.6	-9072
7	C	Plant No:3 Spinning	Exhaust	22.0	-	105948	11.4	-	105317	8.4	-	3.0	-0.6	-631
8	C	Plant No:4 Spinning	Exhaust	22.0	-	121549	10.7	-	118115	9.5	-	1.2	-2.8	-3434
9	C	Plant No:2 Preparatory	Exhaust	22.0	-	86929	13.8	-	88200	9.5	-	4.3	1.5	1271
10	A	Plant No:5 Spinning OKK line	Supply	22.0	-	110340	10.8	-	113082	7.4	-	3.4	2.5	2742
11	A	Plant No:6 Spinning TSML	Supply	22.0	-	130140	12.2	-	125028	8.2	-	4.0	-3.9	-5112
12	B	Plant No: 11 Spinning pallam	Exhaust	22.0	-	106704	9.8	-	103212	7.1	-	2.7	-3.3	-3492
13	B	Plant No:12 Spinning medu	Supply	18.5	18.5	234964	12.2	9.4	228266	9.3	8.0	4.3	-2.9	-6698
14	A	Plant No: 1 Blow room , Carding , Spg	Supply	11.0	11.0	225360	7.0	6.1	227772	5.2	5.1	2.8	1.1	2412
15	A	Plant : 3 Spg A line 1 to 9 ( North )	Exhaust	11.0	11.0	100692	6.2	5.8	98301	5.3	5.1	1.6	-2.4	-2391
16	A	Plant : 2 Autoconer	Supply	15.0	-	26088	2.0	-	28980	1.6	-	0.4	11.1	2892
17	A	Plant : 2 Autoconer	Exhaust	11.0	-	16344	1.1	-	15931	0.9	-	0.2	-2.5	-413
18	A	plant No: 4 Spg A line 9 to 16	Supply	7.5	7.5	77868	3.0	3.2	79584	2.4	2.4	1.4	2.2	1716
19	B	Plant No: 11 Spinning pallam	Supply	7.5	7.5	98316	3.3	3.8	98678	3.1	3.0	0.9	0.4	362
20	B	Plant No: 13A Preparatory	Supply	11.0	-	57384	5.0	-	56988	4.1	-	0.9	-0.7	-396
21	B	Plant No: 13 Preparatory , Carding	Supply	11.0	-	50796	5.3	-	51876	4.2	-	1.1	2.1	1080
22	B	Plant No: 14 Comber , Preparatory	Supply	11.0	11.0	134172	8.6	6.1	136980	5.8	4.5	4.4	2.1	2808

SL.No.	Unit	Plant Description	Supply/ Exhaust	Installed KW		Aluminium Fan			Nylon Fan			Total Energy Savings Kw/hr	% of Air volume Reduction/Inc rease	CMH Less / Excess
						Before Air Volume	Before Energy Consumption		After Air Volume	After Energy Consumption				
				Fan 1	Fan 2		Fan 1	Fan 2		Fan 1	Fan 2			
23	C	Plant No: 6 - KTTM Spg	Supply	15.0	15.0	113724	8.9	8.9	114444	5.9	5.2	6.7	0.6	720
24	C	Plant No: 7 - KTTM Spg	Supply	15.0	15.0	132264	8.9	8.4	137124	6.2	6.6	4.5	3.7	4860
25	A	Plant No: 6 Spg TSML	Exhaust	15.0	-	84964	10.9	-	81967	8.1	-	2.8	-3.5	-2997
26	A	Plant No: 6 Spg TSML	Exhaust	15.0	-	81181	6.0	-	87626	4.6	-	1.4	7.9	6445
27	A	Plant No: 5,6 OKK line , TSML	Exhaust	11.0	15.0	122148	4.5	4.3	128098	3.4	3.1	2.3	4.9	5950
28	D	Plant No: 1 TFO	Supply	11.0	11.0	173466	8.9	7.7	174708	6.2	5.7	4.7	0.7	1242
29	D	Plant No: 1 TFO	Exhaust	11.0	11.0	161740	6.4	6.5	162777	4.7	5.0	3.2	0.6	1037
30	D	Plant No: 4 OE	Supply	15.0	15.0	245559	11.0	10.2	250707	6.9	6.7	7.6	2.1	5148
31	D	Plant No: 4 OE	Exhaust	11.0	11.0	99284	5.9	5.3	98344	5.3	5.2	0.7	-0.9	-940
32	D	Plant No: 5 OE	Supply	15.0	15.0	218275	10.3	11.1	220334	6.8	6.0	8.6	0.9	2059
33	D	Plant No: 5 OE	Exhaust	11.0	11.0	142430	7.2	6.8	140011	5.2	5.7	3.1	-1.7	-2419
34	D	Plant No: 2 TFO	Supply	11.0	11.0	201312	7.5	9.3	201744	6.3	5.6	4.9	0.2	432
35	D	Plant No: 2 TFO	Exhaust	11.0	11.0	144805	6.0	6.1	145152	4.4	4.9	2.8	0.2	347
36	D	Plant No: 3 OE	Supply	11.0	11.0	114800	10.6	9.7	115057	8.3	8.5	3.5	0.2	257
37	D	Plant No: 3 OE	Exhaust	11.0	11.0	10422	3.4	3.7	10617	2.1	2.1	2.9	1.9	195
38	C	Plant No: 2 Preparatory	Supply	22.0	-	102420	13.7	-	105048	10.1	-	3.6	2.6	2628
39	C	Plant No: 3 Spinning	Supply	18.5	18.5	198036	13.8	14.3	203976	10.2	9.6	8.3	3.0	5940
40	C	Plant No: 5 Autoconer	Supply	11.0	11.0	156312	5.9	4.5	162972	3.5	3.4	3.5	4.3	6660
41	C	Plant No: 5 Autoconer	Exhaust	11.0	-	57240	6.2	-	59724	4.5	-	1.7	4.3	2484
42	C	Plant No: 3 Spinning (west)	Exhaust	22.0	-	81864	10.7	-	83600	6.1	-	4.6	2.1	1736
43	B	Plant No: 10 Autoconer , packing , TFO	Exhaust	9.3	-	54828	4.5	-	64260	4.0	-	0.5	17.2	9432
44	B	Plant No: 10 Autoconer , packing , TFO	Supply	15.0	15.0	135900	3.4	3.6	136404	2.6	2.3	2.1	0.4	504
45	C	Plant no:4 Spinning	Supply	18.5	18.5	172382	13.1	14.1	178056	8.6	11.7	6.9	3.3	5674
46	C	Plant No: 1 Blow room , Carding	Supply	18.5	-	149580	13.9	-	154260	7.8	-	6.1	3.1	4680

SL.No.	Unit	Plant Description	Supply/ Exhaust	Installed KW		Aluminium Fan			Nylon Fan			Total Energy Savings Kw/hr	% of Air volume Reduction/Inc rease	CMH Less / Excess
						Before Air Volume	Before Energy Consumption		After Air Volume	After Energy Consumption				
				Fan 1	Fan 2		Fan 1	Fan 2		Fan 1	Fan 2			
47	A	Plant No: 7 Spg , Pre	Supply	11.0	11.0	228600	6.7	6.8	227160	6.0	7.0	0.5	-0.6	-1440
48	A	Plant No: 7 Spg , Pre	Supply	11.0	-	228600	6.7	-	227160	6.0	-	0.7	-0.6	-1440
49	A	Plant No: 9 carding , CWG	Supply	11.0	-	64908	4.0	-	56628	3.3	-	0.7	-12.8	-8280
50	A	Plant No: 5 Spinning North	Exhaust	7.5	-	57132	4.6	-	54324	2.1	-	2.5	-4.9	-2808
51	B	Plant No: 12 Spinning medu	Exhaust	11.0	11.0	73152	5.2	5.4	74844	4.2	4.4	1.0	2.3	1692
52	B	Plant No: 12 Spinning medu (east)	Exhaust	11.0	11.0	179316	4.6	5.0	179748	4.3	4.8	0.3	0.2	432
53	A	Plant No: 12 A Spinning Medu	Supply	37.0	-	119952	19.8	-	120780	11.2	-	8.6	0.7	828
						6557851	430	221	6591841	317	171	162.4	0.5	33990
							651.6			488.0				
							<b>TOTAL NO.OF FAN COMPLETED</b>					83		
							<b>TOTAL ENERGY SAVING IN UNITS/HR</b>					164		
							<b>SAVING UNIT /HR/FAN</b>					2.0		
							<b>TOTAL SAVINGS IN %</b>					25.1		
							<b>TOTAL SAVING IN UNITS / DAY</b>					3,926		
							<b>TOTAL SAVINGS IN COST / MONTH IN RS.</b>					10,01,171		
							<b>TOTAL COST SAVINGS IN COST / YEAR IN RS.</b>					1,20,14,050		
							<b>TOTA INVESTEMENT COST IN RS.</b>					45,00,000		
							<b>PAYBACK PERIOD IN MONTHS</b>					4.5		