



ADITYA ENGINEERING COLLEGE

An Autonomous Institution

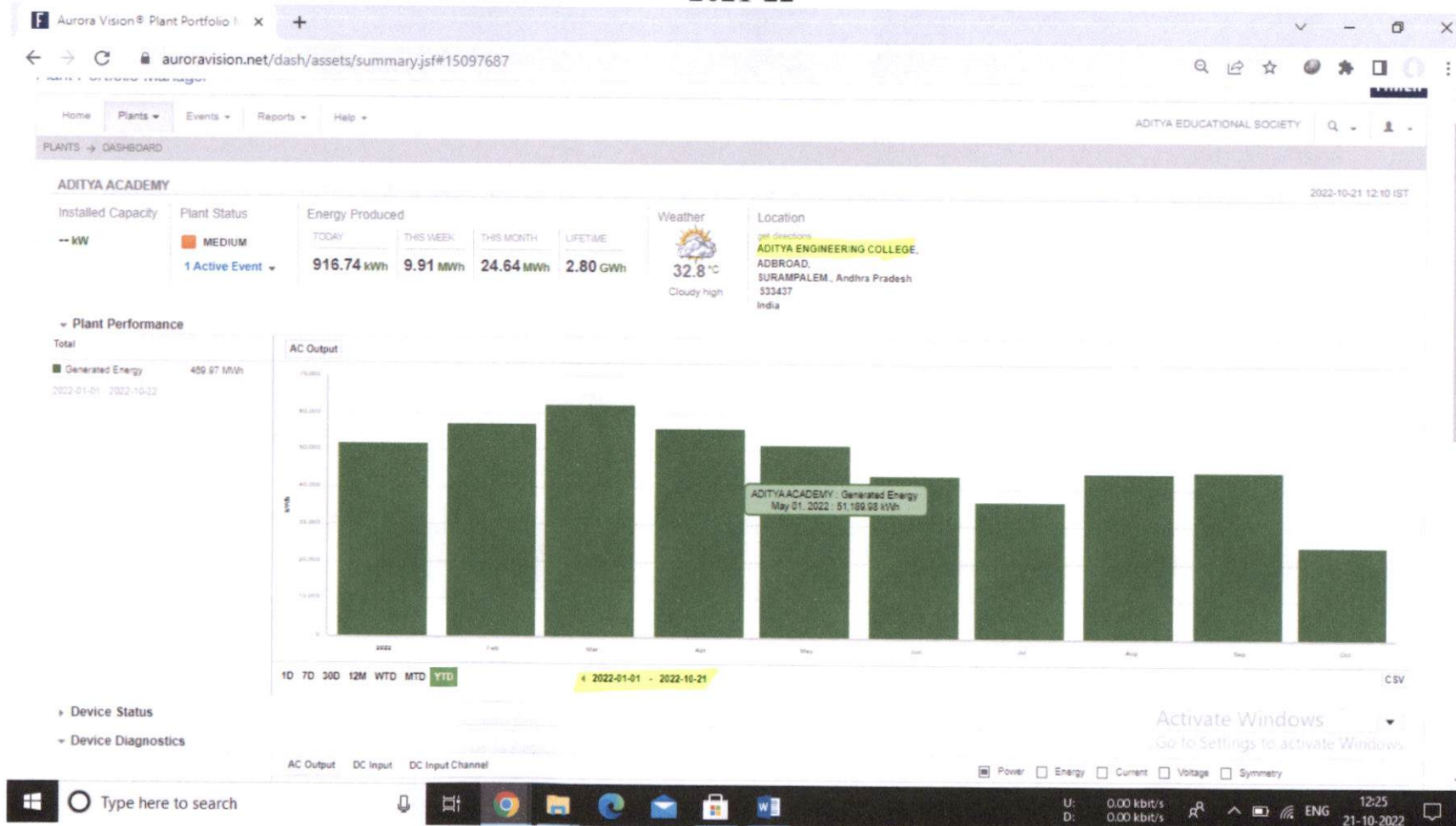
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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

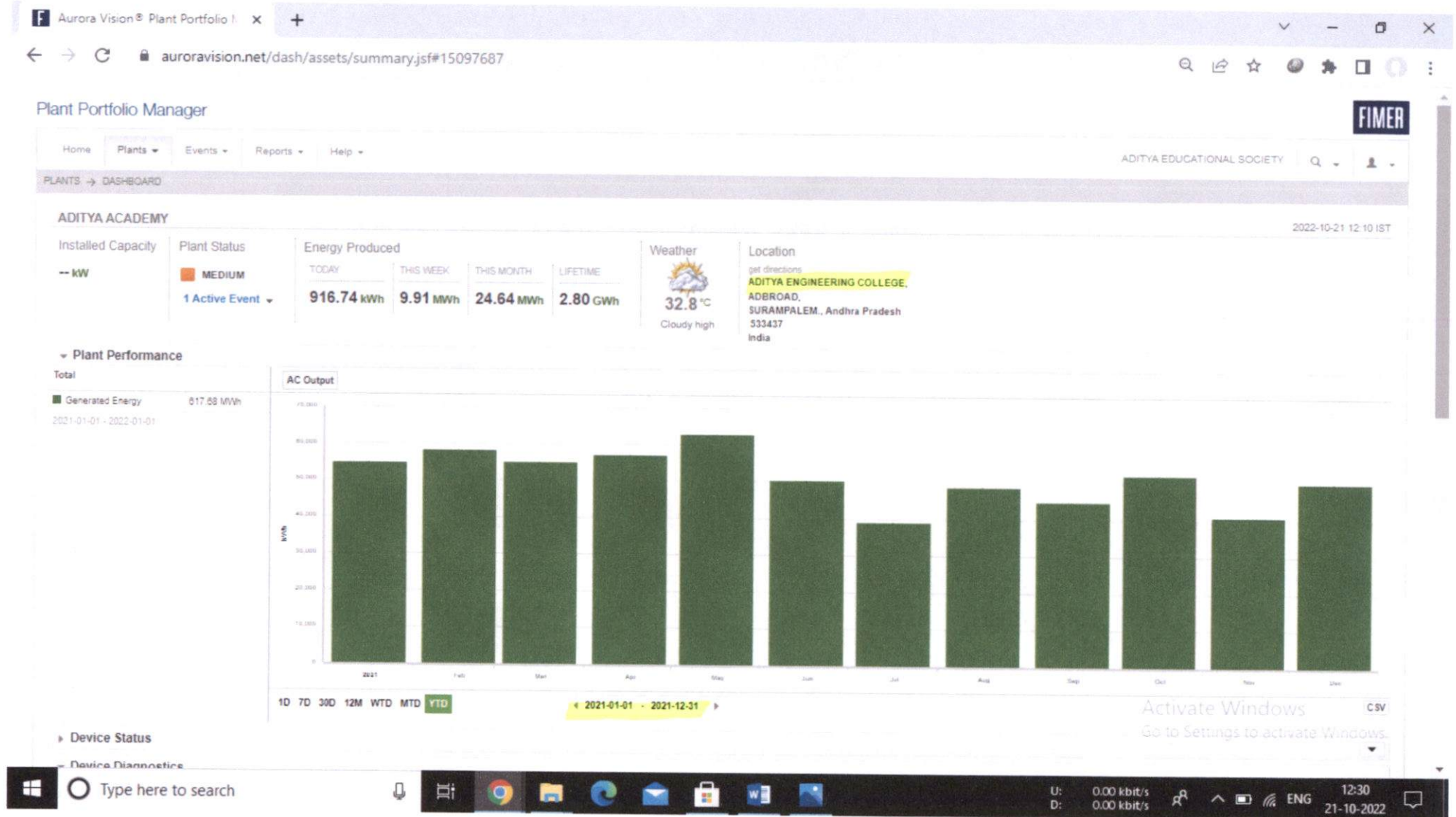
Report on Solar Energy Generated for the last four years

2021-22



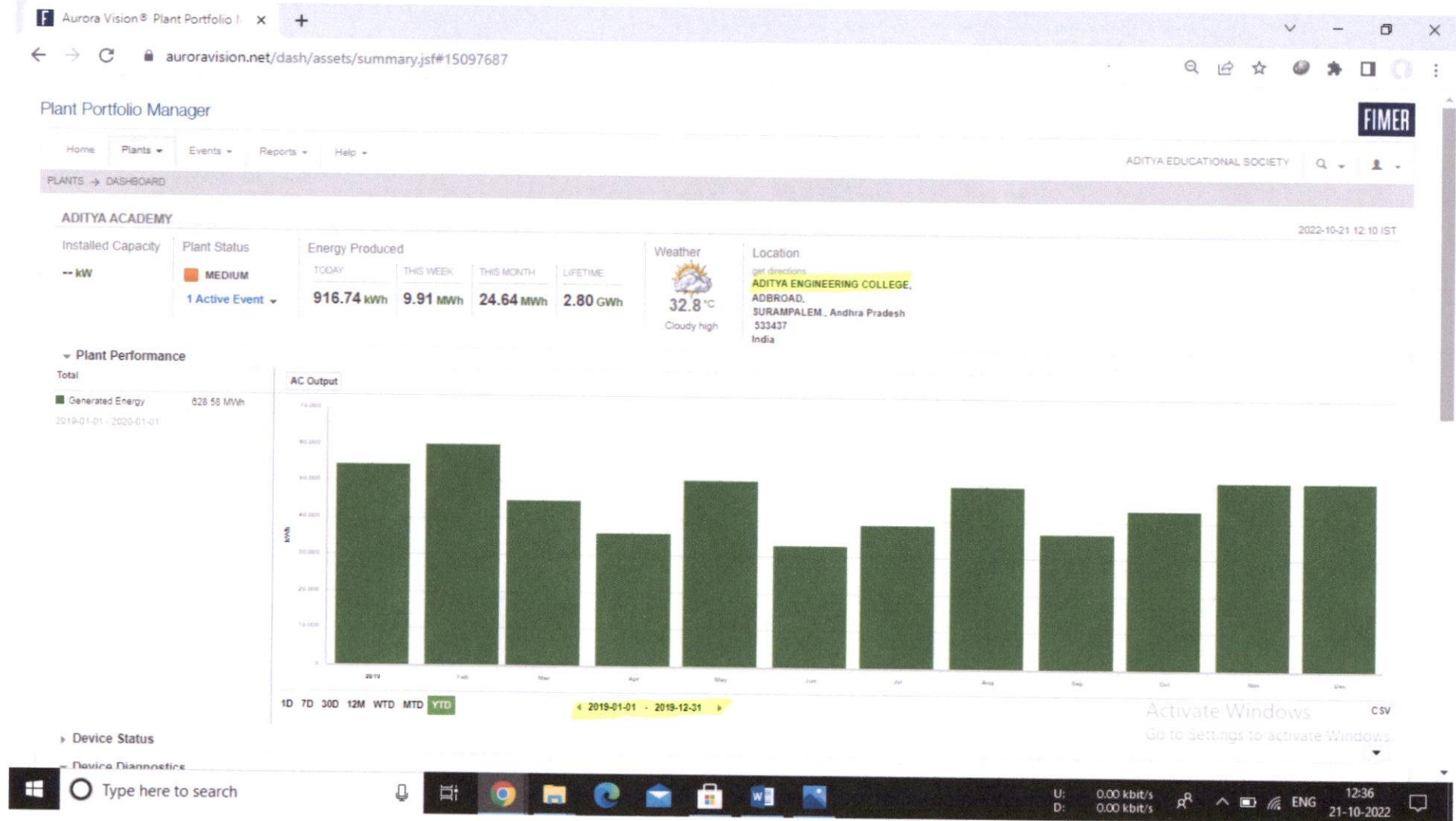
Principal
ADITYA ENGINEERING COLLEGE
SURAMPALEM - 533 437

2020-21



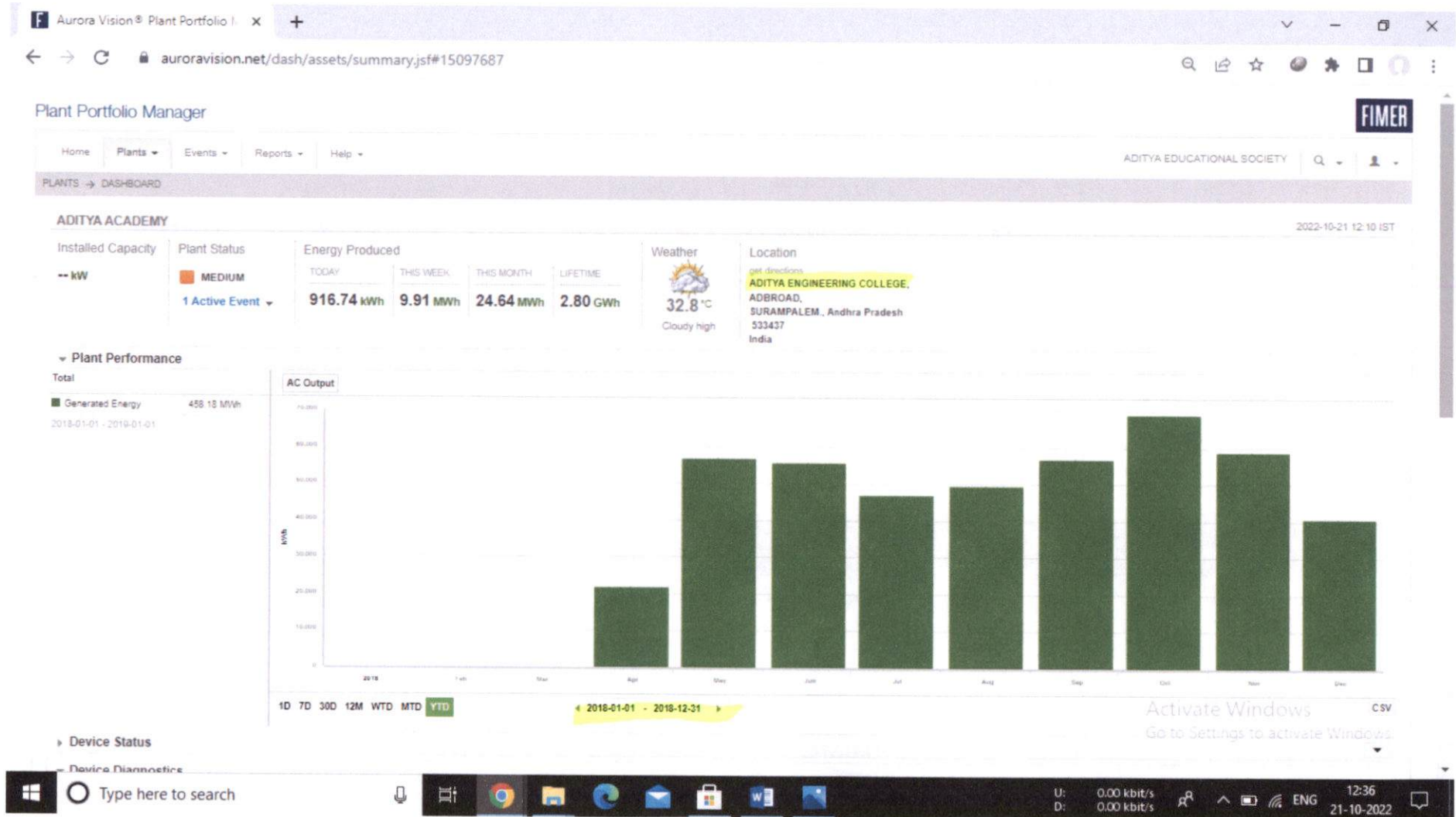
Principal
ADITYA ENGINEERING COLLEGE
SURAMPALEM - 533 437

2019-20



Principal
ADITYA ENGINEERING COLLEGE
SURAMPALEM - 533 437

2018-19



S. G.

Principal

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SURAMPALEM - 533 437



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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

SOLAR & POWER CONSUMED UNITS AND AMOUNT DETAILS (YEAR 2022)

SERVICE NO.			RJY 639					SOLAR & POWER CONSUMED UNITS AND AMOUNT DETAILS (YEAR 2022)											
NAME			ADITYA ACADEMY					CMD		260 KVA									
								SOLAR CAPACITY		400 KW									
S NO.	MONTH	NO.OF DAYS (A)	SOLAR GUARANTEE GENERATED UNITS B=(A*400*4.38)	SOLAR PRESENT GENERATED UNITS (C)	I/G OF SGU,D= (C-B)	SOLAR CONSUMPTION Rs./U. (E)	SOLAR COLLEGE CONSUMED UNITS (F=C-H)	SOLAR COLLEGE CONSUMPTION UNITS AMOUNT (G=E*F)	SOLAR EXPORT UNITS (H)	SOLAR EXPORT COST/U (I)	SOLAR EXPORT AMOUNT (J=I*H)	TOTAL SOLAR GENERATED UNITS AMOUNT (K=G+J)	POWER IMPORT UNITS (L)	BILL UNITS (M)	BILL AMOUNT (N)	COST ADJ. (O)/ ICD AMOUNT	NET BILL(P=O-N)	COLLEGE USED AMOUNT SOL+POWER(Q=K+N)	SOLAR SAVING AMOUNT
1	Jan-22	31	4209.18	40379	36169.82	7.65	21596	165209.4	18783	7.6	142750.8	307960.2	23210	5200	143331	4956	138375	451291.2	312916
2	Feb-22	28	3433.92	44614	41180.08	7.65	27941	213748.65	16673	7.6	126714.8	340463.45	30877	14205	220006	0	220006	560469.45	340463
3	Mar-22	31	4209.18	49715	45505.82	7.65	34692	265393.8	15023	7.6	114174.8	379568.6	36411	21388	307187	0	307187	686755.6	379569
4	Apr-22	30	4073.4	44957	40883.6	7.65	35130	268744.5	9827	7.6	74685.2	343429.7	47184	28441	558076	0	558076	901505.7	343430
5	May-22	30	4073.4	51622	47548.6	7.65	45154	345428.1	6468	7.6	49156.8	394584.9	56322	49584	58758	54920	3838	453342.9	449505

K. Veerajit

ELECTRICAL INCHARGE

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SURAMPALAM - 533 437



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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

SOLAR & POWER CONSUMED UNITS AND AMOUNT DETAILS (YEAR 2021)

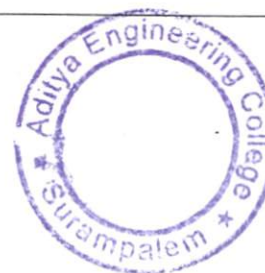
SERVICE NO.			RJY 639						CMD			260 KVA							
NAME			ADITYA ACADEMY						SOLAR CAPACITY			400 KW							
S.NO.	MONTH	NO.OF DAYS (A)	SOLAR GUARANTEE GENERATED UNITS B=(A*400*4.38)	SOLAR PRESENT GENERATED UNITS (C)	L/G OF SGU,D= (C-B)	SOLAR CONSUMPTION Rs./U ,(E)	SOLAR COLLEGE CONSUMED UNITS (F=C-H)	SOLAR COLLEGE CONSUMPTION UNITS AMOUNT (G=E*F)	SOLAR EXPORT UNITS (H)	SOLAR EXPORT COST/U (I)	SOLAR EXPORT AMOUNT (J=I*H)	TOTAL SOLAR GENERATED UNITS AMOUNT (K=G+J)	POWER IMPORT UNITS (L)	BILL UNITS (M)	BILL AMOUNT (N)	COST ADJ. (O) / ICD AMOUNT	NET BILL(P=O-N)	COLLEGE USED AMOUNT SOL+POWER(Q=K+N)	SOLAR SAVING AMOUNT
1	Jan-21	31	54312	52928	-1384	7.65	25313	193644.45	27615	7.65	211254.75	404899.2	33828	6213	160817		160817	565716.2	404899.2
2	Feb-21	28	49056	46256	-2800	7.65	26102	199680.3	20154	7.65	154178.1	353858.4	38904	18750	259139		259139	612997.4	353858.4
3	Mar-21	28	49056	43822	-5234	7.65	29632	226684.8	14190	7.65	108553.5	335238.3	40836	26646	318521		318521	653759.3	335238.3
4	Apr-21	30	52560	45265	-7295	7.65	27033	206802.45	18232	7.65	139474.8	346277.25	37599	19367	262103	55642	206461	608380.25	401919.25
5	May-21	31	54312	50252	-4060	7.65	13787	105470.55	36465	3.5	127627.5	233098.05	12012	5200	145284	145284	0	378382.05	378382
6	Jun-21	30	52560	40719	-11841	7.65	15547	118934.55	25172	3.5	88102	207036.55	12459	5200	144865	144865	0	351901.55	351902
7	Jul-21	31	54312	34057	-20255	7.65	19067	145862.55	14990	7.6	113924	259786.55	22422	7432	165036	15223	149813	424822.55	275009.55
8	Aug-21	31	54312	41348	-12964	7.65	27807	212723.55	13541	7.6	102911.6	315635.15	35779	22239	291958	0	291958	607593.15	315635.15
9	Sep-21	30	52560	35542	-17018	7.65	23095	176676.75	12447	7.6	94597.2	271273.95	40740	28293	343753	0	343753	615026.95	271273.95
10	Oct-21	31	54312	35542	-18770	7.65	19751	151095.15	15791	7.6	120011.6	271106.75	39444	25653	294620	0	294620	565726.75	271107
11	Nov-21	30	52560	32772	-19788	7.65	22743	173983.95	10029	7.6	76220.4	250204.35	45857	35829	410912	21668	389244	661116.35	271872
12	Dec-21	31	54312	38229	-16083	7.65	24698	188939.7	13531	7.6	102835.6	291775.3	34068	20537	268534	0	268534	560309.3	291775
TOTAL																			3922871.8

YEAR 2021 AEC CAMPUS SOLAR SAVING AMOUNT DETAILS

RJY 639 ADITYA ACADEMY (400 KW SOLAR) (ECHO MITRA)	3922871
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SURAMPALAM - 533 437



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Aditya Nagar, ADB Road, Surampalem - 533437, Near Kakinada, E.G.Dt., Ph:99498 76662

SOLAR & POWER CONSUMED UNITS AND AMOUNT DETAILS (YEAR 2020)

SOLAR & POWER CONSUMED UNITS AND AMOUNT DETAILS (YEAR 2020)																			
SERVICE NO.		RJY 639						CMD		260 KVA									
NAME		ADITYA ACADEMY						SOLAR CAPACITY		400 KW									
S.NO.	MONTH	NO.OF DAYS (A)	SOLAR GUARANTEE GENERAT ED UNITS B=(A*400* 4.38)	SOLAR PRESENT GENERAT ED UNITS (C)	L/G OF SGU,D= (C-B)	SOLAR CONSUM PTION Rs./U ,(E)	SOLAR COLLEGE CONSUM ED UNITS (F=C-H)	SOLAR COLLEG E CONSUM PTION UNITS AMOUNT (G=E*F)	SOLAR EXPORT UNITS (H)	SOLAR EXPORT COST/U (I)	SOLAR EXPORT AMOUNT (J=I*H)	TOTAL SOLAR GENERA TED UNITS AMOUNT (K=G+J)	POWER IMPORT UNITS (L)	BILL UNITS (M)	BILL AMOUNT (N)	COST ADJ. (O)	NET BILL(P=O- N)	COLLEG E USED AMOUNT SOL+PO WER(Q= K+N)	SOLAR SAVING AMOUNT
1	Jan-20	31	54312	37788	-16524	7.65	16733	128007	21055	3.5	73692.5	201699.5	26859	5804	153733	0	153733	355432.5	201699.5
2	Feb-20	29	50808	38314	-12494	7.65	22053	168705	16261	3.5	56913.5	225618.5	29566	13305	211645	0	211645	437263.5	225618.5
3	Mar-20	31	54312	44610	-9702	7.65	23982	183462	20628	3.5	72198	255660	27036	6408	157893	0	157893	413553	255660
4	Apr-20	30	52560	42852	-9708	7.65	8122	62133	34730	3.5	121555	183688	12428	5200	145302	145302	0	328990	328990
5	May-20	31	54312	42852	-11460	7.65	6583	50360	36269	3.5	126941.5	177301.5	11448	5200	144737	144737	0	322038.5	322038.5
6	Jun-20	30	52560	42852	-9708	7.65	16560	126684	26292	3.5	92022	218706	11068	5200	144082	144082	0	362788	362788
7	Jul-20	31	54312	42852	-11460	7.65	15507	118629	27345	3.5	95707.5	214336.5	8598	5200	142984	142984	0	357320.5	357320.5
8	Aug-20	31	54312	42852	-11460	7.65	10830	82850	32022	3.5	112077	194927	11476	5200	144022	144022	0	338949	338949
9	Sep-20	30	52560	42852	-9708	7.65	15745	120449	27107	3.5	94874.5	215323.5	16918	5200	145564	145564	0	360887.5	360887.5
10	Oct-20	31	54312	42852	-11460	7.65	20042	153321	22810	3.5	79835	233156	23694	5200	148159	148159	0	381315	381315
11	Nov-20	30	52560	28128	-24432	7.65	9729	74427	18399	3.5	64396.5	138823.5	29467	5200	194819	32556	162263	333642.5	171379.5
12	Dec-20	31	54312	39915	-14397	7.65	11815	90385	28100	3.5	98350	188735	29022	5200	122491	28277	94214	311226	217012
TOTAL		366															779748	4303406	3523658

YEAR 2020 AEC CAMPUS SOLAR SAVING AMOUNT DETAILS

RJY 639 ADITYA ACADEMY (400 KW SOLAR) (ECHO MITRA)

3523658

K. Nuvvaga

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SOLAR & POWER CONSUMED UNITS AND AMOUNT DETAILS (YEAR 2019)

2019, SC.NO. RJY 639, ADITYA EDUCATIONAL ACADEMY. CMD:260 KVA,

SOLAR CAPACITY :500 KW

APSEB & SOLAR DETAILS																	SOLAR		
S.N O	MONTH	APSEB CONSUMED UNITS (A)	BILL UNITS	BILL AMOUNT	POOLED COST ADJ.(x)	SOLAR EXPORT UNITS (B)	EXCESS/ LESS SOLAR UNITS (B-A)	APP.COS T OF SOLAR UNITS (x/B)	ACTUAL GENERA TE UNITS (C)	PRESENT SOLAR GENERA TE UNITS (D)	COLLEG E SOLAR CONSUM PTION E= (D-B)	TOTAL COLLEG E UNITS CONSUM PTION (A+E)	RMD KVA	BILL KVA	LOSS UNITS (C- D)	To apseb excess. Solar amount	SOLAR GENERA TED UNITS	SOLAR TO EXPORT APSEB	SOLAR COLLEG E CONSUM ED UNITS
1	JAN	16896	4600	50744	79138	25824	8928	8.9	67890	52922	27098	43994	103	184	14968		52922	25824	27098
2	FEB	20618	4600	109266	22294	19830	-788	-28.3	63510	58944	39114	59732	109	184	4566		58944	19830	39114
3	MAR	25674	6128	144686	0	19546	-6128	0.0	67890	45856	26310	51984	109	184	22034		45856	19546	26310
4	APR	23319	4600	35796	12548	20860	-2459	-5.1	65700	39879	19019	42338	143	184	25821		39879	20860	19019
5	MAY	24577	7933	167240	0	16644	-7933	0.0	67890	53495	36851	61428	118	184	14395		53495	16644	36851
6	JUN	26413	16771	236239	0	9642	-16771	0.0	65700	37971	28329	54742	172	184	27729		37971	9642	28329
7	JUL	62794	55398	551254	0	7397	-55397	0.0	67890	41091	33694	96488	224	224	26799		41091	7397	33694
8	AUG	61340	46311	489211	0	14410	-46930	0.0	67890	53241	38831	100171	229	229	14649		53241	14410	38831
9	SEP	80055	72347	740447	0	7708	-72347	0.0	65700	39358	31650	111705	299	299	26342		39358	7708	31650
10	OCT	46740	29013	346112	0	17727	-29013	0.0	67890	46041	28314	75054	229	229	21849		46041	17727	28314
11	NOV	39504	19476	262908	0	20028	-19476	0.0	65700	55294	35266	74770	159	208	10406		55294	20028	35266
12	DEC	41644	22889	311543	0	18756	-22888	0.0	67890	49894	31138	72782	254	254	17996		49894	18756	31138
		469574	290066	3445446		198372			801540	573986	375614	845188			227554		573986	198372	375614

K. Veeraji.

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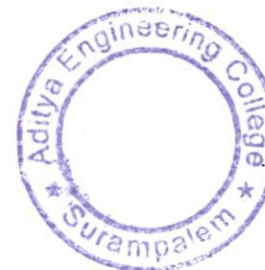
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SOLAR & POWER CONSUMED UNITS AND AMOUNT DETAILS (YEAR 2018)

SERVICE NO.			RJY 639					CMD					260 KVA							
NAME			ADITYA ACADEMY					SOLAR CAPACITY					400 KW							
S.NO	MONTH	UNITS	AMOUNT	KVA	Rs./ Unit	GENERATE UNITS	ACTUAL GENERATE UNITS	EXPORT UNITS	LOSS UNITS	GAIN UNITS	DAY RUNNING HRS.8am to 5pm	NIGHT RUNNING HRS.5PM TO 8AM	TOTAL RUNNING G HRS	RECEIVED DIESEL TOTAL	TOTAL DIESEL CONSUMED	DIESEL STOCK	APPROXIMATELY DIESEL COST /LTR	DIESEL CONSUMED AMOUNT	MAINTENANCE DATE&HOURS.	DIESEL BUNK
1	JAN	69628	667342	238	9.58								4	200	200					800
2	FEB	70428	705248	273	10.01								11	200	200					400
3	MAR	49060	505862	241	10.31								18	800	400					1200
4	APRIL	40062	415174	241	10.36	26841	65700						17	800	400					1400
5	MAY	26978	302444	169	11.21	62031	67890						23	400	400					1000
6	JUN	35658	407351	245	11.42	68300	65700	50784	-2600				6		200					1400
7	JUL	32372	792072	234	24.47	51258	67890	43316	16632				12	400	400					1600
8	AUG	23081	274316	160	11.88	53720	67890	43180	14170				14	400	200					2400
9	SEP	9921	191950	251	19.35	62147	65700	54344	3553				27	400	600					3000
10	OCT	4600	130622		28.40	75096	67890	61794	-7206	417			5	400	200					800
11	NOV	4600	128294	102	27.89	64283	65700	52244	1417				2							600
12	DEC	4600	129882	136	28.24	39111	67890	43455	28779				4		200					400
TOTAL		370988	4650557		12.54	502787	602250	349117	99463				143	4000	3400					15000

K. Veerasu,
ELECTRICAL INCHARGE

HOD



Principal

PRINCIPAL

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