

Approved by AICTE, Affiliated to JNTUK & Accredited by NAAC Recognized by UGC under section 2(f) of UGC Act 1956
Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph. 99631 76662.

6.2.1 The institutional Strategic/ perspective plan is effectively deployed

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Institutional Strategic perspective / developmental plan



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Strategic Perspective plan of the institution (AY 2021-22 to AY 2025-26)

The institution has Long term Strategic Perspective plan for continuous improvement and move towards the realization of vision, mission and core values. The strategic plan is deployed and reviewed from time to time by obtaining feedback from stake holders and various academic and administrative bodies.

The new millennium is going to witness unprecedented challenges and opportunities in Technical Education. The Technical Education plays a vital role in human resource development of the country by creating skilled manpower, enhancing industrial productivity and improving the quality of life. The Technical Education covers wide gamut of programs and specializations. To keep the faculty themselves abreast of the state of the art technology, it is important that they inculcate the habit of innovation and research. This institute is keen to train the faculty to strengthen their research activities and innovations.

A. Improvement in quality Technical Education:

In order to improve the quality of Technical Education, the institute is keen to observe the educational system at IIT and International level and collaborate with them to strengthen its Teaching-Learning Process as well as Research. The Institute plans to improve to collaborate with the reputed Educational Institutes and Universities for:

- 1. Students exchange, Faculty exchange and Collaborative Research.
- 2. Experimental and Demonstrative Teaching Learning process to Impart skill-based education in the Institution.
- 3. To impart training to the faculty in pedagogy and relevant technical expertise for further strengthening their teaching skills and keep themselves abreast with the latest developments.
- 4. To acquire Academic Autonomy to enable the Institute to design the curriculum so as to caterthe needs of industry.
- 5. To participate in National Rankings and Surveys for National Exposure and recognition and to achieve better ranking.

B. Collaboration to impart Skill-based Education:

In order to impart skill-based education, the institute is already collaborated with ADIS ABABA, NOVAL PATENT SERVICES, TIE HYDERABAD, UI PATH ACADEMIC ALLIANCE, CL

MEDIA, TIME, ITU, REDHAT, CISCO, SAKROBOTIX LAB, EDCIL, MICROSOFT INOVATION CENTER, INFOSYS LIMITED (CAMPUS CONNECTING

PROGRAMME) L & T and PEARSON VUE and has plans to collaborate with more industries, Reputed Institutes, Universities and Research organizations.

- 1. Each Department is planned to collaborate with premiere institutes like IITs/NITs for projects, summer trainings, internships and guest lectures.
- 2 Inter-disciplinary researches will be encouraged.

Institution Strategic Goals:

- 1. Accreditation & Ranking
- 2. Teaching and Learning
- 3. Research and Development
- 4. Alumni Interaction
- 5. Industry Interaction / Collaboration
- 6. Student's development and participation
- 7. Staff development & welfare
- 8. Entrepreneurship
- 9. Library, ICT and Physical Infrastructure / Instrumentation

Strategic Planning (2021-2026)

	•NBA accreditation of 100% of UG programs by 2022				
	•NAAC accreditation with A++				
	Grade by 2023				
Accreditation& Ranking	• Autonomousstatus by June 2024				
	•NIRF				
	➤ Within top150 Engineering Institutes by2023within Top				
	100 Engineering by 2023				
	➤ Up gradation of ranking by 2025.				
	•Introduction of more market Relevant and futuristic skill based				
	Add on courses to be introduced				
	Pedagogical Innovation-to be encourage and introduce in				
	teaching learning				
	Use of more teaching aids and adopt more ICT				

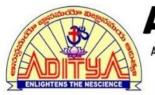
Teachingand Learning	• Development of teaching plan as per OBE				
Teachingand Learning	Preparation of Lesson Plan based on CO & PO mapping				
	Development of e- learning resources				
	Promote research culture & facilities				
	Provide mentoring and personal support				
	Follow a transparent and fair feedback system				
	Conduct training based on need analysis				
	Evaluation parameters and benchmarking				
	Continuous assessment to measure outcomes				
	• 50% of the total faculty to be awarded with PhD degree by				
	2025.				
	Dedicated R &D facilitation Centre				
	• Establish and develop Laboratories with more research facility				
	• Fund generation through Project proposals				
	Apply for Government/Non Government industry, sponsored				
Research and Development	funds				
	Collaborations with Government & Private Institutes,				
	Universities and Research Organizations				
	Applying for patent				
	• Students research paper publication/ presentation in Journal/				
	Conference from each department to be increased.				
	• More Initiatives should be taken to encourage the students for				
	Start-ups and entrepreneur ship.				
	• Faculty members to be involved in consultancy work using their				
	own expertise.				
	Data base creation, Regular interactions with alumni and				
	networking				
	Recognition of successful alumni				
Alumni Interaction	• Leverage for guest lecturers/internships/placements/training/				
	entrepreneurship				
	Exploring Contributions				
	Brand ambassadors				
	• Sponsorships/scholarships/fund generation				
	More no. of MoUs with industries				
	• Support for internships, visits, trainings, guest lectures				

Industry Interaction /	• Identifications of industry needs and advice on Curriculum for				
Collaboration	extra courses apart from curriculum.				
	Providing opportunities for Industry based/sponsored projects				
	Providing career guidance				
	Establishing innovation centres				
Student's development and participation	 Budget allocation for student development programmes and activities Students Trainings & Placement Activities Formation of student council Student's representation in various committee and cell Participation in competitions Organizing competitions Credit transfer & compensation 				
	 Rewards & recognitions of achievers Participation in extracurricular activities 				
	 Participating in social and welfare activities 				
	Recruitment Policy formation & implementation				
	Staff performance evaluation system				
	• Staff Training for quality improvement				
	Best possible work facilities & infrastructure facilities				
Staff development & welfare	Staff welfare policy implementation				
	Career advancement schemes				
	• Rewards, recognitions and incentives				
	• Deputation for seminars, conferences and workshops etc.				
	Sponsorship/ Motivation for qualification improvement				
	Support for research, consultancy, innovations				
	Establishment of Entrepreneurship Development Cell				
	• Effective functioning of entrepreneurship development Cell				
	MoUs with organizations for entrepreneurship development				
Entrepreneurship	Providing training & guidance for entrepreneurship development				
	Bringing more experts of the field for seminar, lecture,				
	workshop for entrepreneurship development				
	• Establishing incubation centers				

	Promoting, sponsoring and facilitating entrepreneurship					
	development.					
	Infrastructure building development & modification					
Library, ICT and Physical	More number of Subscription of E-Journal & E-books					
Infrastructure / Instrumentation	Library infrastructure development.					
	NDLI membership with library of renounced institutes, Universities,					
	IIT's and remote access of e - resources.					
	Modernize all class roomsand laboratories to savepower.					
	• Smart Class rooms, Tutorials, Seminar halls					
	Modernization of Laboratory & equipment					
	More ICT enabled classrooms					
	Library infrastructure up gradation					
	System up gradation					
	• Functional facilities for e-learning					
	Safety & Security management					
	Water facility					
	Medical facility					
	• Developing sports (indoor/outdoor) facilities					
	• Plantations • Rain water harvesting					
	Renewable Energy usage					
	• Hygiene, zero plastic & green campus					
	• Recycling of water					



Implemented perspective plan



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The Institution has facilities for alternate sources of energy and energy Conservation measures Renewable Energy Source: Solar Power Plant

Energy saving measures:

- Energy management features are activated on computers, laser printers, etc., turn off lights when not used/required, use daylight.
- Use of LEDs, CFLs.
- Use fans when they are needed
- Unplug appliances like printers, faxes, chargers and electronic appliances, when they are not in use.
- Awareness among students and staff on energy conservation through display boards at appropriate places.

The institute met 56% of its total requirement of power consumption by the Institute from renewable sources.

- ➤ In the month of May 2018 Solar Plant was installed
- > Solar plant capacity 300 kW
- The installation cost of total plant is 90,00,000 /-
- ➤ Energy produced from the plant per year : 839.1 MWh/year

General Details					
Total Capacity of the Plant	300KWp				
Roof used for the plant	20,000 Sq-Ft or 2,000 Sq-Mtr				
Average Sun Irradiance	4.89 KWh/Sq-Mtr/Day				
Expected Generation/Day	1000 to 1200 Kwh				
Solar Pan	els Details				
Total no. of panels	612 No's				
Capacity of each panel	325 Wp				
Make	Vikram Solar				
Technology & no. of cells	Polycrystalline, 72 cell				
Type of Busbar system	4 Busbar series type				
Working voltage	1000 VDC				
Type of connection of panels	In Series				
Panel Efficiency	18.5%				
Working Temperature Range	-40° c to 85° c				
Panel Dimensions	1956x992x35.2 mm				
Weight of each panel	22 Kgs				
Inverte	r Details				
Total no. of Inverters	4 No's				
Capacity of each Inverter	50 KVA				
Type of Inverter	Solar ON-GRID				
Make	ABB				
Technology used	Maximum Power Point Tracking (MPPT)				
No. of MPPTs/Inverter	3 No's				
Weight of Inverter	125 Kgs				





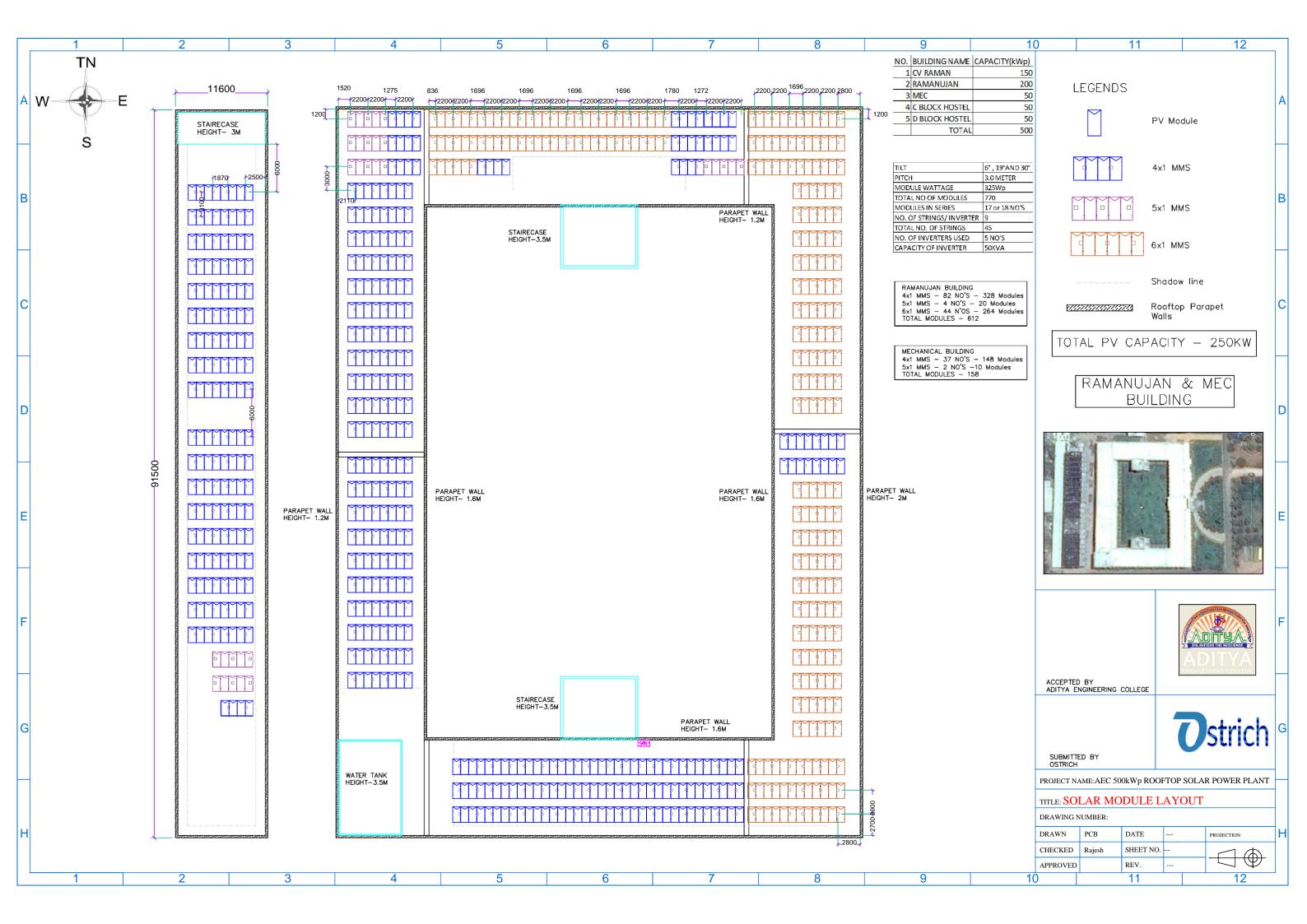
Geo tagged photos for Solar panels

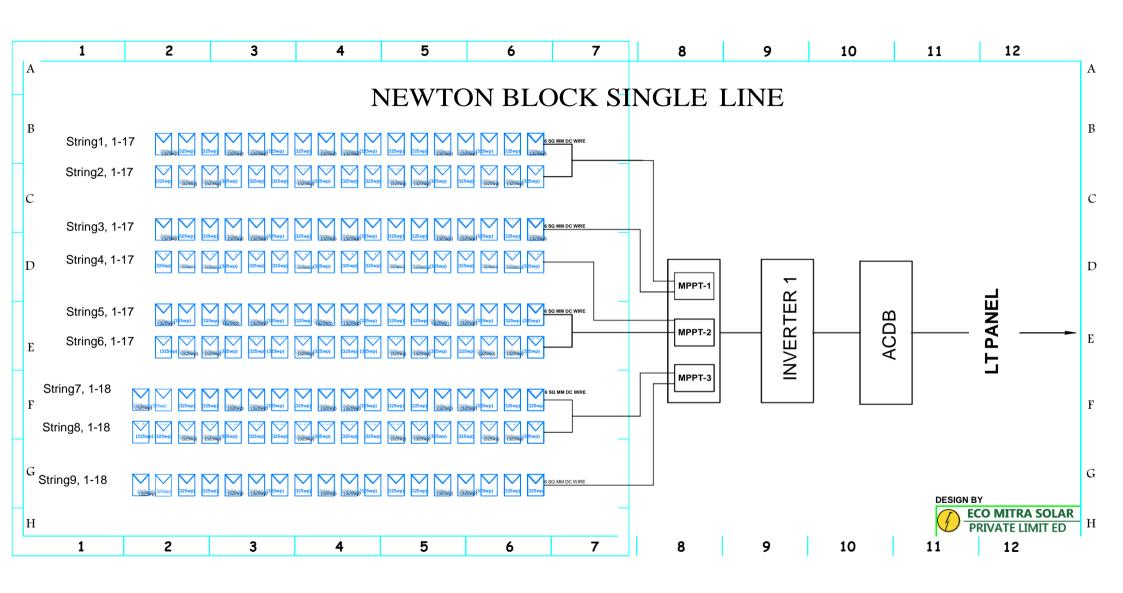




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PRINCIPAL





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Students Participated while installing the solar panels



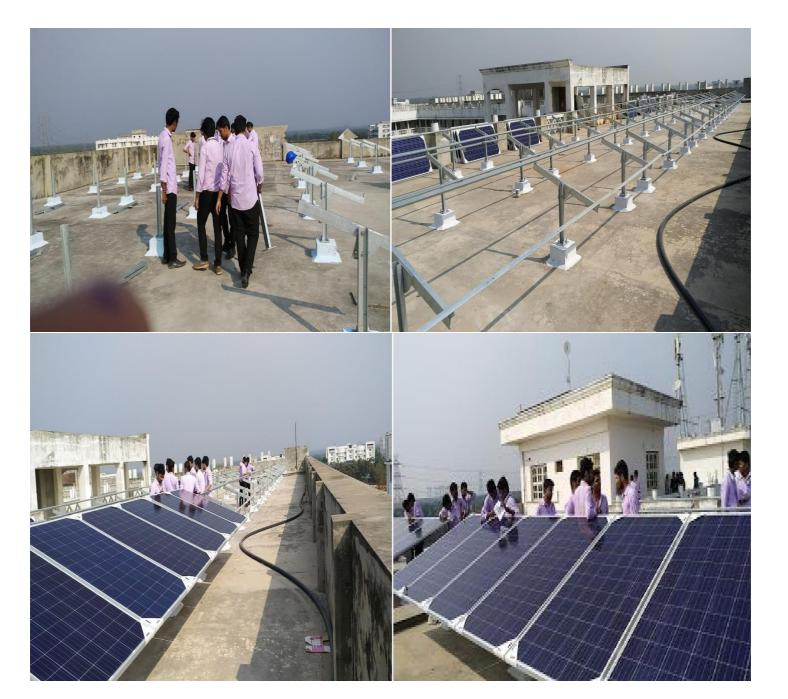








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Power bill comparative statement after Installation of Solar panels

S.No	Month	Total Consumption in KWH	From Grid in KWH	From Solar in KWH	Power Bill in Rs
1	Jan-18	77708	77708		7,06,226/
2	Feb-18	96262	96262		8,80,293/-
3	Mar- 18	134634	134634	Without Solar	14,06,761/-
4	Apr-18	106914	106914		8,97,158/-
5	May- 18	72501	72501		8,71,329/-
6	Jun-18	107287	23970	83317	3,30,494/-
7	Jul-18	128005	60567	67438	6,39.340/-
8	Aug-18	149321	97266	52055	9,27,438/-
9	Sep-18	138748	73629	65119	8,37,606/-
10	Oct-18	136761	65751	71010	8,04,625/-
11	Nov- 18	116857	54797	62060	5,63,805/-
12	Dec-18	103990	51210	52780	5,08,654/-
13	Jan-19	99036	33341	65695	3,68,318/-
14	Feb-19	116389	49424	66965	5,24,668/-



PRINCIPAL

950

7.65

0.06

0.00

444097.8

4533.6

0.00

0.00

CALL US : 1912

HT D	IGITAL B	ILL FOR	THE MON	TH OF NO	ovember	2019	GSI NO:	: 37AAACE9)876B1ZH
Service Details			Consumer Details						
Contracted MD(KVA/HP) 300 (KVA/ HP)		SC. No. RJY856					DUE DATE FOR		
Specified Voltage(KVA) 11 KV		11 KV	M/S SAROJINI EDUCATIONAL SOCIETY,			BILL DATE 05-12-2019		PAYMENT	
Actual Volta	ge	11 KV	SURAMPAL					19-12	2-2019
Category		IIA	PEDDAPUR	AM TOWN					
eeder Type	9	COMMON	E G DT						
Total Month	nly Consum	ption Details	5						
Particulars	Date	KWH	KVAH	KVA	TOD PEAK	TOD OFF PEAK	COLONY	PF	LF
Reading as on	01/12/2019	436467	438214.5	80.600	-	-	-	-	-
Reading as on	01/11/2019	411359.5	413028	-	-	-	-	-	-
Difference	-	25107.5	25186.5	-	-	-	-	-	-
Multiplying =actor	-	3	3	3.000	-	-	-	-	-
Total Consumptio	n -	75322	75559	241.800	20505	0.00	-	1	26
Monthly Min Consumptio		-	6045	240.000	-	-	-	-	-
Main Consumptio	n -	75559	-	-	-	-	-	-	-
L&F	-	-	-	-	-	-	-		0.00
Segregated	-				-	-	-	-	-
Colony							0	-	-
Open Acces	ss Consump	otion Details							
	upplier Nam			KWH Share		KVA Share		% Wheeling	
Solar Units			0		17508.000		0		
Billing Sum	mary								
- U	Particulars	Bill Issue Date	KVAH	KVA	TOD PEAK	TOD OFF PEAK	COLONY		
	Billed Units	05-12-2019	58052	241.800	20505	0.00	0		
				BILL D	ETAILS				
	Partic	culars			nits	Rate P	er Unit	Amou	ınt(Rs.)
Demand Ch	arges(Norma			0.	241		475		114
					241		475		'

58052

75560

0

Demand Charges(Penal)(80.6%)
Energy Charges(All Units)

Energy Charges Including Fuel Cost Adjustment Fuel Surcharge Adjustment

Energy Excess Charges Electricity Duty Charges Colony Charges

L&F Charges

ToD Charges	20505
ToD Incentive (-)	0
Sub Tota	583991.4
Customer Charges	1406
Wheeling Charges	d
LPF Charges	d
RKVAH Surcharge Hydel	C
RKVAH Surcharge Wind	d
Open Access CSS	C
ACD Surcharge	C
Late Payment Charges	C
Interest on ED	Q
Penal Interest	Q
Transformer Hire Charges	Q
Differential Voltage Surcharges	Q
Load Factor incentive (-)	Q
Short MD Shortfal	Q
Total For The Month	585397.4
25% Rebate Application	Q
Ferro Incentive(-)	O
Pooled Cost Adj(-)	Q
Net ICD Amt(ICD-TDS)(0-0)(-)	Q
Other Credit Adj	Q
Loss (or) Gain	-0.4
NET BILL	585397
(Previous Years)Arrears before 31- Mar-2019	0.00
(Current Years)Arrears after 01-Apr-2019	-0.12
Net Payable Rs.	585397
This is a system generated bill only for information, please refer to the bill issued by SAO of the circle only.	(Rupees Five Lakhs Eighty Five Thousand Three Hundred and Ninety Seven Only)

CALL US : 1912

HT DI	GITAL B	ILL FOR	THE MON	TH OF De	ecember	2019	GST NO :	37AAACE9	876B1ZH	
Se	rvice Deta	ils	Con	sumer De	tails					
Contracted N	MD(KVA/HP)	300 (KVA/ HP)	SC. No. RJY856					DUE DATE FOR		
		11 KV	M/S SAROJ SOCIETY,		ΓΙΟΝΑL	BILL DATE 05-01-2020		PAYMENT		
Actual Volta	ge		SURAMPAL					19-01-2020		
Category			PEDDAPUR	AM TOWN						
eeder Type)	COMMON	E G DT							
Catal Manth	dy Canaumi	ation Dotaile								
otal Wontr	nly Consump	otion Details	5		T I	TOD OFF				
Particulars	Date	KWH	KVAH	KVA	TOD PEAK	PEAK	COLONY	PF	LF	
Reading as	01/01/2020	462065	463959	77.260	-	-	-	-	-	
Reading as	01/12/2019	436467	438214.5	-	-	-	-	-	-	
Difference	-	25598	25744.5	-	-	-	-	-	-	
Multiplying Factor	-	3	3	3.000	-	-	-	-	-	
Fotal Consumptio	า -	76794	77233	231.780	20185.47	0.00	-	0.99	26	
Monthly Min Consumptio		-	6000	240.000	-		-	-	-	
Main Consumptio	n -	77233	-	-	-	-	-	-	-	
_ & F	-	-	-	-	-	-	-		0.00	
Segregated	-				-	-	-	-	-	
Colony							0	-	-	
Onen Acce.		tion Dataile								
	ss Consump			KWH Char		K// A	Chara	9/ \Mb.	ooling	
Solar Units	upplier Nam	ie		KWH Share		KVA Share 18086.000		% Wheeling 0		
Solai Offics				U		1000	0.000		,	
Billing Sum	mary									
	Particulars	Bill Issue Date	KVAH	KVA	TOD PEAK	TOD OFF PEAK	COLONY			
	Billed Units	05-01-2020	59148	240.000	20185.47	0.00	0			
					ETAILS					
	Partic			Uı	nits		er Unit	Amoui		
Demand Charges(Normal)			240							
Demand Charges(Penal)(80%)			(450.400		
Energy Charges(All Units) Energy Excess Charges			59148			7.65		452482		
				77004		0.00				
Electricity Duty Charges Colony Charges				77234						
					0		0.00			
_&F Charge Energy Chai									0.	

ToD Charges	20185
ToD Incentive (-)	C C
Sub Total	591301.24
Customer Charges	1406
Wheeling Charges	C
LPF Charges	C
RKVAH Surcharge Hydel	C
RKVAH Surcharge Wind	(
Open Access CSS	(
ACD Surcharge	(
Late Payment Charges	C
Interest on ED	(
Penal Interest	(
Transformer Hire Charges	C
Differential Voltage Surcharges	C
Load Factor incentive (-)	C
Short MD Shortfall	C
Total For The Month	592707.24
25% Rebate Application	(
Ferro Incentive(-)	C
Pooled Cost Adj(-)	(
Net ICD Amt(ICD-TDS)(0-0)(-)	(
Other Credit Adj	(
Loss (or) Gain	-0.24
NET BILL	592707
(Previous Years)Arrears before 31- Mar-2019	0.00
(Current Years)Arrears after 01-Apr-2019	-0.12
Net Payable Rs.	592707
This is a system generated bill only for information , please refer to the bill issued by SAO of the circle only.	(Rupees Five Lakhs Ninety Two Thousand Sever Hundred and Seven Only