



(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

ERODE - 638 107

7.1.2 Alternate Sources of Energy and Energy Conservation Measures

The institution has provision for alternate sources of energy with the support of generating solar energy along with sensor-based energy conservation / power efficient equipment's and facilities. On the other side, the institution has installed the LED lights that ensure finest utilization of energy.

S.No	Facility	Supporting Document
1		a. Facilities available
	Solar Energy	b. Energy Saved
		c. Bills for Equipment
2	Bio Gas Plant	a. Facility Available
2	blo Gas Flatic	b. Usage Details
3	Sensor based –	a. Facilities available – Sensor based Solar LED Lights
	energy conservation	b. Bills for Lights
	IED Links	a. Facilities Available
4	LED Lights	b. Bills for Purchase of LED lights
	5 500 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	a. Facilities available
5	Power Efficient Equipment	b. Bill for Power efficient equipment



Dr. N. RAMAN
PRINCIPAL,
KONGU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
NANJANAPURAM, ERODE - 638 107

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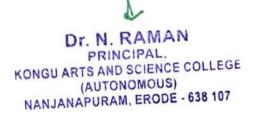
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1. a. Solar Energy

A significant proportion of the power requirement of the institution is supported by the power generated through solar power cell. The institution has nonpolluting Solar cell being set up on Main block and BCA block. The Solar cell is capable of producing around 40kwhand 50 kWh of power through its resources. Through its potency the solar cell is capable of quenching to 23% of the total power requirement of the institution.







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1. b. Energy Saved

S.No.	Year	Total Electric Power Consumed (kWh)	Power generated through Solar Cell (kWh)	% of Power generated through Solar Cell
1	2021-22	427506	65630	15.35
2	2020-21	235084	80251	34.14
3	2019-20	532546	87656	16.46
4	2018-19	547427	128613	23.49
5	2017-18	520439	120753	23.20
	Average	Solar Power gene	erated	22.53





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1.c. Bills for Solar Energy

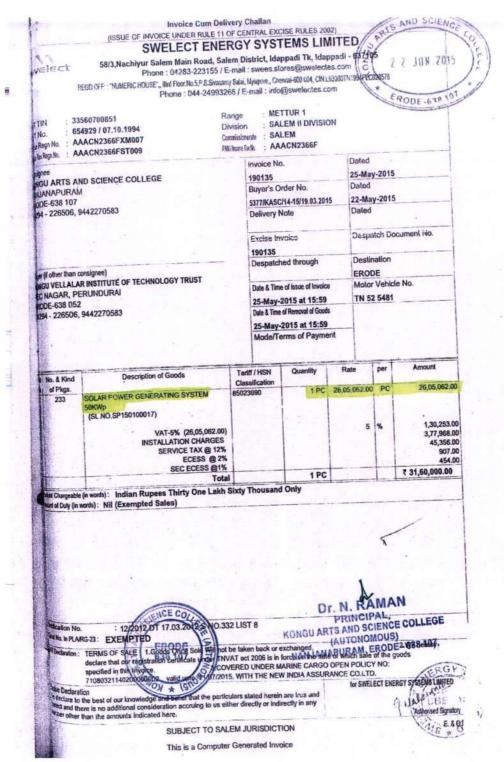
The following are the details towards the solar power generating facility established in the institution:

S.No	Name of the equipment	Model/ Units	Cost(Rs)	Year of Purchase
	Solar Power Generating			
	System			2014
1	(40Kwp)	SP140200040	28,92,926	
	Solar Power Generating			
	System			2015
2	(50Kwp)	SP150100017	26,05,062	
3	Solar Water Heater	4	1,12,000	2013
4	24W LED Solar Street Light	8	1,99,200	2022
5	24W LED Solar Street Light	1	23,700	2022
6	24W LED Solar Street Light	1	23,700	2022
8	24W LED Solar Street Light	13	3,08,100	2022
9	24W LED Solar Street Light	1	39,500	2022
10	24W LED Solar Street Light	1	23,700	2022
11	24W LED Solar Street Light	1	24,900	2022
	Total		62,52,788	





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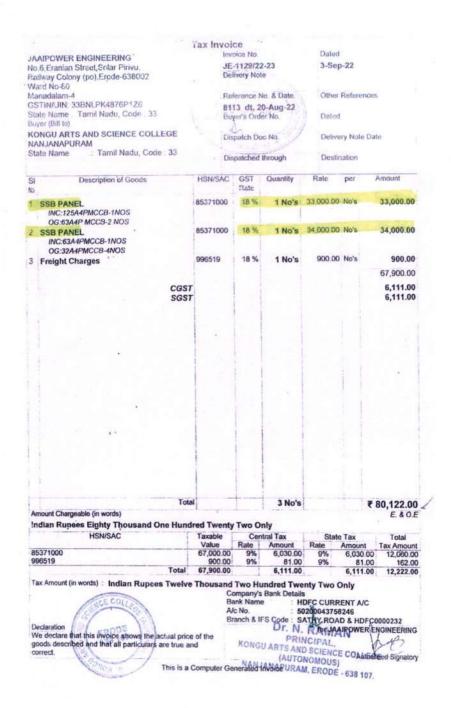


(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

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		Invoice No.		Dated		
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		Delivery Note		Dated		
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I No. & Kind	Description of Goods	Tariff / HSN	Quantity	Rate	per	Amount
of Pkgs.	40KWp SOLAR POWER GENERATING	Classification 85023990	1 PC 2	8 92 926 00	PC	28.92.926.0
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	VAT-5% (28,92,926.00) INSTALLATION CHARGES			5	%	1,44,646.0 3,22,560.0
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		Dr. N.	RAMAN			
offication No.	: CE-T-12/42 DT 17.03.2012 -GE50	Dr. N.	RAMAN	OLI EGE		
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2.a. Biogas Plant

The biogas produced from food waste, decomposable organic material and kitchen waste consisting of methane and a little amount of carbon dioxide is an alternative fuel for cooking gas.

Kitchen waste is mechanically processed and moistened to produce suspension that subsequently undergoes fermentation process. Fermentation produces biogas – a valuable energy source that is de-sulphurised by biological means.

Also the waste materials can be disposed off efficiently without any odor or flies and digested slurry from bio-gas plant can be used as organic manure in the garden.





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2.b. BioGas Usage Details

2017-18

S.No.	Month / Days in No.	Feed in Kg	Usage hours	Gas generated in Kg.	Average amount of Gas generated in Lit.
1	15-Jun	1800	90	255	72000
2	31-Jul	4030	217	527	161200
3	31-Aug	4650	217	496	186000
4	30-Sep	4800	210	558	192000
5	31-Oct	5270	217	496	210800
6	28-Nov	5580	186	496	223200
7	29-Dec	4960	217	527	198400
8	26-Jan	4650	186	496	186000
9	28-Feb	5270	217	558	210800
10	31-Mar	5580	217	527	223200
11	30-Apr	4960	186	496	198400
12	May		S	EMESTER HOLI	DAYS

2018-19

ERODE

S.No	Month / Days in No.	Feed in Kg	Usage hours	Gas generated in Kg.	Average amount of Gas generated in Lit.
1	15-Jun	1950	120	340	78000
2	31-Jul	4030	217	527	161200
3	31-Aug	4650	217	496	186000
4	25-Sep	3750	125	375	150000
5	31-Oct	5270	217	527	210800
6	27-Nov	4320	162	432	172800
7	31-Dec	5270	217	527	210800
8	26-Jan	4160	156	416	166400
9	28-Feb	4480	196	476	179200
10	31-Mar	5580	248	558	223200
11	30-Apr	5100	210	510	204000
12	May		5	EMESTER HOLI	DAYS

1

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Dr. N. RAMAN

PRINCIPAL.

KONGU ARTS AND SCIENCE COLLEGE
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	2019-20											
S.No.	Month / Days in No.	Feed in Kg	Usage hours	Gas generated in Kg.	Average amount of Gas generated in Lit.							
1	15-Jun	2100	120	340	84000							
2	31-Jul	4030	217	527	161200							
3	31-Aug	5270	248	496	210800							
4	25-Sep	3750	125	375	150000							
5	31-Oct	5270	186	527	210800							
6	26-Nov	3900	156	416	156000							
7	31-Dec	5270	248	527	210800							
8	26-Jan	4160	156	416	166400							
9	28-Feb	4760	196	476	190400							
10	15-Mar	2250	75	225	90000							
11	Apr		COVID	19 LOCKDOV	VN DEDIOD							
12	May		COAID -	19 LOCKDOV	AIN LEKTOD							

			2020-	21	
S.No.	Month / Days in No.	Feed in Kg	Usage hours	Gas generated in Kg.	Average amount of Gas generated in Lit.
1	Jun				
2	Jul				
3	Aug				
4	Sep				
5	Oct				
6	Nov] .	COVID	10 1 00 100 1	VN DEDTOD
7	Dec	'	COAID -	19 LOCKDOV	NN PERIOD
8	Jan				
9	Feb				
10	Mar				
11	Apr				
12	May]			



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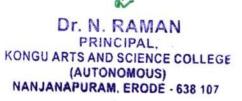


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NANJANAPURAM, ERODE - 638 107

2021-2022

S.No.	Month / Days in No.	Feed in Kg	Usage hours	Gas generated in Kg.	Average amount of Gas generated in Lit.
1	June				10
2	July		COV	ID-19 LOCKI	OOWN
3	August				
4	15-Sep	1950	75	225	78000
5	31-Oct	4650	155	496	186000
6	November	¥.	COV	ID-19 LOCKI	OWN
7	December		COV	ID-19 LOCKI	DOWN
8	15-Jan	1800	75	225	72000
9	28-Feb	4760	196	476	190400
10	15-Mar	2250	75	225	90000
11	30-Apr	4800	180	480	192000
12	31-May	5270	217	527	210800





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3. a.Sensor-based Energy Conservation-Solar Street Lights

The institution has the facility for sensor-based energy conservation using Solar Street Lights for night time light source. The sensor detects the timing and operates accordingly to switch on and off. The following are the facilities related to the sensor facility in the campus.

S.No	Name of the Facility	Location	Numbers Available
1	Solar LED Street Lights	Bus Stand	13
2	Solar LED Street Lights	Entrance to Hostel	13





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ERODE - 638 107

3. b . Bills for Sensor Based Lights

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	A CANAL S								
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	DELIVE	ERY NO	TE,	INV	DICE				
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			DCN	lo:			Date :		
T	Description of Goods/ Materials	HSN No	City	Unit	Rate/Unit	Taxable Value	GST %	Fax Amount	Amount (INP
+	SOLAR LED STREET LIGHT AT MAIN GATE AND LAD	HES HOSTEL	DE KAS	c					
1	24W LED SOLAR STREET LIGHT (MAIN GATE NEAR KVB ATM)	85414011	1	NOS	21160.71	21160.71	12%	2539.29	23,700.0
-	With Single Lighting Arm with LifePO4 12.8V within hullt RMS capacity Battery With Solar Panel 12V/15OWpoly with Dusk To Down aperation. (Full Brightness Working In Full Night)	crystalline							
1	24W LED SOLAR STREET LIGHT (LADIES HOSTEL)	85414011	1	NOS	22237.14	22232.14	12%	2667.86	24,900.0
	within built IMS capacity Battery WithSolar Panel 12V/150Wpoly with Cross: To Green aperation. Note: using 2 x15mtrs 4ng.mm Lapp German cable (special case of [Full Brightness Working In Full Night) Warranty: Five years for LifePO4 Battery and One year for Elect	due to site conditi							
		<u>i</u>					<u></u>		1
e	es in Words: RUPEES FORTY EIGHT THOUSAND SIX HUNDRED ONLY	-			Sub Total Rounded o	43392.8 off (+)	5	52074	48600.
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nk	Details:			Taxable V	alue		_		
M	E : AGNI SOLAAR SYSTEMS			Toxable Value	*	1393	1 %	SGST	Amount
NE	CUNT NO : 5109 0501:0082 286			21160.71	6,00%	1,269.6	6.001	1,269.6	4 2,539.
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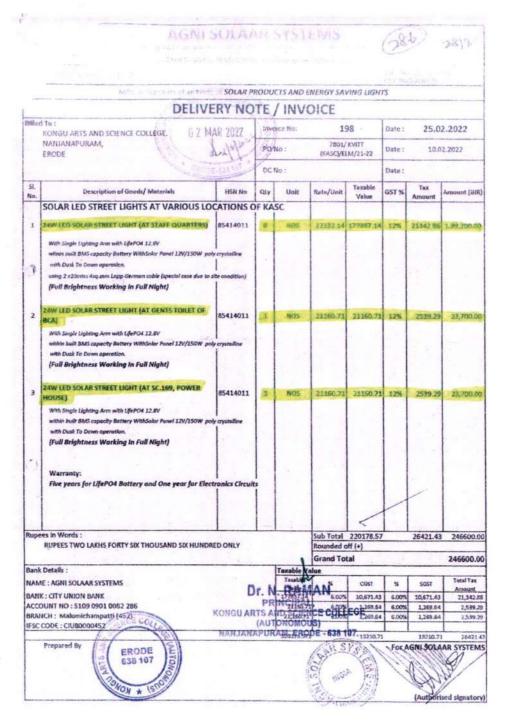


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	A September 1982						134 No.	91 1	-
	\$100 TO	SOLAR PR				ING LIGHT.			
	DELIVE	KY NO				59	Date :	19.0	1.2022
ed T	o : HE KONGU VELLALAR INSTITUTE OF TECHNOLOGY ONGU ENGINEERING COLLEGE CAMPUS, KEC NAG,	TRUST	Invoic		7738	KVITT	Date:	24.1	12.2021
	RODE DIST.		PO No		(KASC)ELM	.REC/21-22	Date:	-	
T	Description of Goods/ Materials	HSN No	Qty Qty	Unit	Rate/Unit	Taxable Value	GST %	Tax Amount	Amount (INR)
	Description of Good, Million					253928.57	12%	30471 43	2,84,400.00
1	24W LED SOLAR STREET LIGHT (AT BUS STAND)	85414011	12	NOS	21160.71	253928.57	12M	Service Control	
	With Single Lighting Arm with LifePO4 12.8V within built BMS capacity Battery WithSolar Panel 12V/150W pol	y crystolline							
1	with Dusk To Dawn operation.		1-1						1
1	(Full Brightness Working In Full Night)						1 100	2539.2	9 23,700.00
24	24W LED SOLAR STREET LIGHT (AT POWER HOUSE)	85414011	2	NOS	21160.7	21160.7	1 12%	2535.2	23,700.00
	With Single Lighting Arm with LifePO4 12.8V within built BMS capacity Battery WithSolar Panel 12V/150W pa	ly crystalline					1		
	with Dusk To Dawn operation.	1	1		1		1		
-9	(Full Brightness Working In Full Night)						1		
	24W LED SOLAR STREET LIGHT (AT BOYS HOSTEL)	85414011	1	SET	35267.8	35267.8	12%	4232.1	39,500.00
3	2NOS (1 POLE DOUBLE LIGHT ARM)		(2NOS)	1				
	Letter Charle Lighting Arm with LifePO4 12.8V	Her make covertable	1		3				
	within built BMS capacity Battery WithSolar Panel 12V/150W-2 with Dusk To Dawn operation.	las pay a y	1			1		1	
	(Full Brightness Working In Full Night)								
					1		1		
	Warranty: Five years for LifePO4 Battery and One year for Ele	ectronics Circu	its		-			1	
					1 -		-	1	
	Delivery: Kongu Arts and Science College, Nanjanapura	m			1	1	1.	-	
	Koligu Al Galio Science				Sub To	al 310357	7.14	37242	2.86 347600.
Rup	nees In Words: RUPEES THREE LAKHS FORTY SEVEN THOUSAND SIX	HUNDRED ON	LY			ed off (+)			1/
	RUPEES THREE DAMS TOWN SET THE				Grand	Total	5 110	-255	347600,
Bar	nk Details :	1 1, -		Taxabl	e Value	cos		6 SGS	TotalTax
	ME : AGNI SOLAAR SYSTEMS		1	Valu	e 2	,00% 15,23		00% 15,23	Amount
BA	NK : CITY UNION BANK		A	25392	60.71 6	.00% 1,26	9.64 6	00% 1,26	9.64 2,539
AC	COUNT NO: 5109 0901 0082 286 ANCH: Malumichampatti (452)	Dr.	N. PO	PALSS,20	7.86	.00% 2,11	6.07 6	.00% 2,11	16.07 4,232
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4. a. LED Lights

The College uses a maximum of LED bulbs and tubes for all its lighting needs inside the campus to conserve energy.

This is quite in visible in all recent renovation projects. The overall college campus is installed with LED Bulbs. It optimizes the energy consumption and saves the cost of maintenance.

A well designed hi-tech LED lighting system can provide safety and financial benefit for the institution. Apart from financial benefits, it provide go-green and eco-friendly environment.

The following are LED light facilities available in the institution:

S.No	Item	Total Nos
1	LED lights Installed	863





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4.b. Bills for Purchase of LED Lights

	Name of the	Model/		Year of
S.No	equipment	Units	Cost(Rs.)	Purchase
1	24W LED Street Light	16	15,600	2022
2	36w LED	9	9,900	2021
3	20w LED	200	38,000	2022
4	20w LED	100	25,300	2022
5	20 W LED	160	28,640	2022
6	20w LED	100	25,699.52	2021
7	20w LED	60	15,599.8	2021
8	20 w Stellar	20	4,464.2	2021
9	36W Lifemax	72	2,520	2019
10	28Wm Essential LED	40	3,560	2019
11	9W LED Bulb	10	900	2019
12	20w LED	20	4,464	2019
13	22 W LED	6	1,548	2019
14	22 W LED	24	6,648	2019



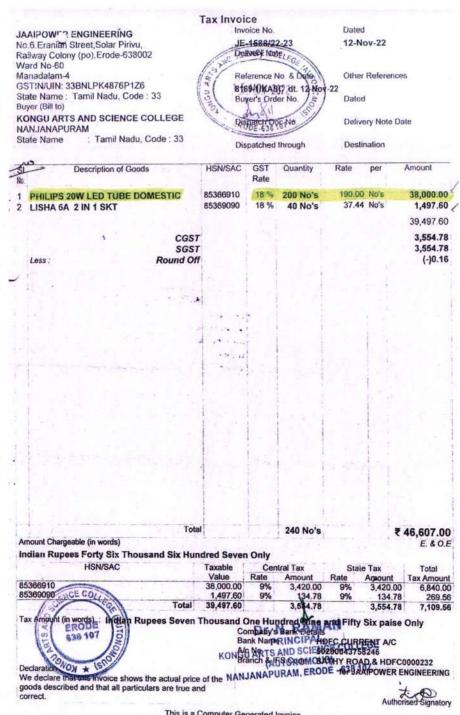


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	And A Committee of the					10 (281		1-231-
	a record at the	SOLARI	PRODU	ICTS AND E	NERGY SAVI	NG LIGHT	5		
	DELIVE	RY NO	TE	/ INV	DICE				
	To:			Ice No:	198	;	Date:	25.0	2.2022
	KONGU ARTS AND SCIENCE COLLEGE, NANJANAPURAM	13	POI	to:	7796 / K (KASC)/ELN		Date:	10.0	2.2022
	ERODE (3 0 2 MAR 2022) (F)	DCI	ło:	(FFCFGFCFF	42272	Date:		
ia.	Description of Godels / Materials	HSNNO	Qty	Unit	Rate/Unit	Taxable Value	GST %	Tax Amount	Amount (INR)
	LED STREET LIGHTS AT VARIOUS LOCATIONS	OF KASO		-	Tark Sale	*****	-		alest on
- 1	SUPPLY OF Z4W Led Street Light Fixing Arm	7306	5	NOS NOS	870.54 432.20	4352.68 2161.02	10000	522.32 388.98	2,550.00
	(FAST SIDE WALL - Loo, NORTH SIDE WALL - 3nos and	7300		1100					
1	WEST SIDE WALL - Inc = TOTAL 5 NOS]	1			1				
1	(Rs. 975/- for light and Rs.510/- for Fixing Arm = Rs. 1485/	set, Incl GS1)						
		9405		NG5	870.54	870.54	1/296	104:46	975.00
2	SUPPLY OF 24W Led Street Light (Ladius Hostel Ino. NORTH WEST COMPOUND WALL) (Rs. 975/- for light only, Incl GST)	2403	L	Mus	870.34	07034	12%	Torido	373.00
		0405		NOC	970 54	4352.68	120	522.22	4 975 NO
-	SUPPLY OF Z4W Led Street Light	9405 7306	5	NOS	870.54 432.20	2161.02	1	522.32 388.98	THE RESERVE OF THE PARTY OF THE
13	Fixing Arm FOR MAIN BLOCK (EAST NORTH 2Nos,	7300		1105	452.20	2101.02	20,0	300.50	2,550.00
3	WEST NORTH 2 NOS AND WEST SOUTH - INO = TOTAL S	NOS)							
	(Rs. 975/- for light and Rs.510/- for Flxing Arm = Rs. 1485)		n i						
		9405	500	NOS	870.54	870.54	1296	104 46	975.00
	SUPPLY OF 24W Led Street Light Fixing Arm	7306	1	NOS	432.20	432.20	September 1	77.80	10/18/08/
44	BOYS HOSTEL - INO AT WEST WALL (NORTH SIDE)		1		102.00	-	1		
	(Rs. 975/- for light and Rs.510/- for Fixing Arm = Rs. 1485	/set, Incl GS	T)						1
	anticular and the second secon	0.405	175	war	930 F 4	2011.01	12%	212.20	2,925.00
5 5a	SUPPLY OF 24W Led Street Light Fixing Arm	9405 7306	3	NOS NOS	870.54 432.20	2511.61 1296,61	BEAT THE SERVICE	233.39	The second second second
24	LOCATION 1, SCIENCE BLOCK - BNOS IN EQUAL DIATANG	200	1		132.20		1 2011	233.0	
	(Rs. 975/- for light and Rs.510/- for Fixing Arm = Rs. 1485		r)					1	
			-		- Augustalia	TO STATE OF THE ST	1000	The sales of	
6	SUPPLY OF 24W Led Street Light	9405	1	NOS	870.54	870.54	12%	104:48	975.0
	LOCATION 1, SCIENCE BLOCK-1NO (Rs. 975/- for light only, incl GST)		1				1		
							1		1
	Warranty:			1			1		1
	Two years for Electronics Circuits		1				1		10
Rupe	ees In Words :		-		Sub Total	19979.4	2	2760.5	22740.0
	RUPEES TWENTY TWO THOUSAND SEVEN HUNDRED A	ND FORTY	MLY		Rounded o	ff (+)		/	
					Grand To	tal		1	22740.0
Bank	k Details :			Taxable Va	lue		_		T Total Total
NAN	ME : AGNI SOLAAR SYSTEMS			Taxable Value	*	CGST	*	SGST	Total Tax Amount
	K : CITY UNION BANK			4352.68	6,00%		_		
	DUNT NO : 5109 0901 0082 286			2161.02 870.54	9,00%	194.4 52.7		_	
	NCH: Malumichampetti (452) CODE: CIUB0000452	-		4,352.66	-	261.1		-	
	STATE OF THE PARTY			w2.161.02	to Trap	m m194.4	9.009	194.4	9 388.9
	SCHICE COLLEGE			1-0 \$70.54		A11,22	Service and Personal Property lies		
		let.	misi	VIEW 1	NO SOU	1000			
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	ERODE 639 107		IAN	A 61 A 4211 54	NAM 15609		3 10K		
	15/	1	*****	19979.4	2	1359	52 X	1380.	
	Prepared By					1137		Service	LAARSYSTEN
	NON * (S)					11001	MARIN	The state of	111111111111111111111111111111111111111



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ERODE - 638 107

275-A OPP. ESSAR PETROL BUNK, VEPPAMPALAYAM PIRIVU, PERUNDURAI MAIN ROAD, ERQDE-638 107. CREDIT BILL To Kongu Arts And Science Coldege Payment Terms : Credit BELL NO NANJANAPURAM : G16047 ERODE - 638017 : 25-09-2021 : 367, 370 HSN GST Total Description Rate Code Amt PHILIPS - 20W 85395000 229.46 25699.52 LED GLASS TUBE ONLY 25 Nos 188.98 18 5574.92 JK CP TAP 1/2 8481 LET CAPACITOR -8532 1 Nos \ 437.29 18 516.01 3 KVAR 583.05 18 687.99 LET CAPACITOR -8532 1 Nos 4 KVAR 1 Nos 728.81 LAT Capacitor 8532 18 859.99 5 Kvar 50 Nos 30.00 1770.00 7318 Fan Bush Set

178.000

NET&

"Constructing Confidence with Standards"

WAI MAARUTHI ELECTRICALS AND HARDWARES

GSTIN: 33AAHFJ5902B1ZW

Total

22946.00 6.0 1376.76 6.0 1376.76 12.0 2753.52 7973.65 9.0 717.63 9.0 717.63 18.0 1435.26 Rounded Off:

AMT SGST&

\$5108.00

35108.43

(ORIGINAL)

CELL: 81108 59955

Rupees Thirty Five Thousand One Hundred And Eight Only

Bank Name: Karur Vysya Bank, Mettukadai Branch. A/c no: 1217135000000324 IFSC: KVBL0001217

FOR JAI MAARUTHI ELECTRICALS AND HARDWARE

Authorises Signatory





(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

ERODE - 638 107

(ORIGINAL) "Constructing Confidence with Standards" GSTIN: 33AAHF 15902B1ZW CELL: 81108 59955 JAI MAARUTHI ELECTRICALS AND HARDWARES 275-A OPP. ESSAR PETROL BUNK, VEPPAMPALAYAM PIRIVU, PERUNDURAI MAIN ROAD, EPODE-638 107. CIENCREDIT BILL To Kongu Arts And Sorence College Payment Terms : Credit NANJANAPURAM Bill No : G12541 0 9 JUL 2022 bate ERODE - 638017 : 08-07-2022 HSN. GST Total Description Qty Rate code DE 638 8 Amt. 85395000 100 Nos 225.90 25300.36 Philips - 20w Led Tube Only 25300.36 Total 100.000 Taxable Value CGST% AMT SGST& AMT NETS AMT 2710.76 22589.60 6.0 1355.38 6.0 1355.38 12.0 Rounded Off : -0,36 E & O.E 25300.00 Net Amount : Rupees Twenty Five Thousand Three Hundred Only Bank Name: Karur Vysya Bank, Mettukadai Branch. A/c no: 1217135000000324 IFSC: KVBL0001217 For JAI MAARUTHI ELECTRICALS AND F Authorised Signatory





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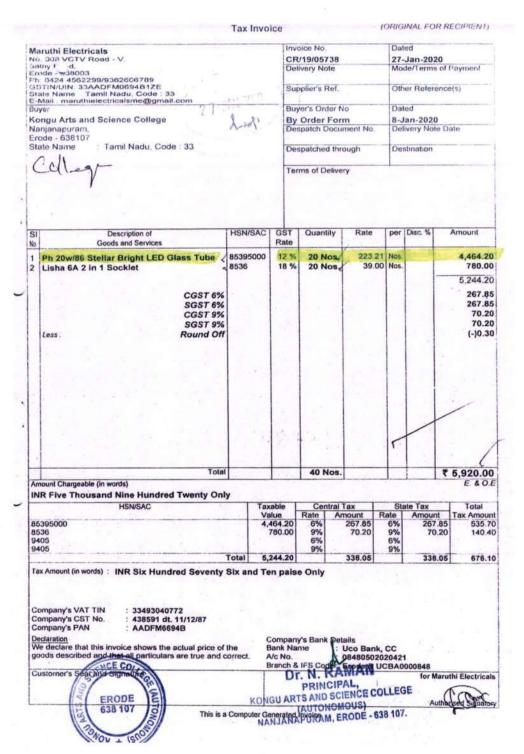
ERODE - 638 107

"Constructing Confidence with Standards" CELL: 81108 59955 GSTIN: 33AAHF '5902B1ZW JAT MAARUTHI ELECTRICALS AND HARDWARES 275-A OPP. ESSAR PETROL BUNK, VEPPAMPALAYAM PIRIVU, PERUNDURAI MAIN ROAD, ERODE-638 107. CREDIT BILL Payment Terms : Credit To . Kongu Arts And Science College NANJANAPURAM Bill No : GST-23124 Date : 11-02-2021 ERODE - 638017 Total HSN S.No Description Qty Rate Code * Amt ' 85395000 60 Nos 232.14 12 15599.80 PHILIPS - 20W 1 LED GLASS TUBE ONLY Total 60.000 15599.80 Taxable Value CGST& 835.70 12.0 1671.40 Rounded Off 15600.00 E & O.E Rupees Fifteen Thousand Six Hundred Only Bank Name: Karur Vysya Bank, Mettukadai Branch. A/c ng 1217135000000324 IFSC: KVBL0001217 FOR JAI MAARUTHI ELECTRICALS AND HARDWARES Authorised Signatory





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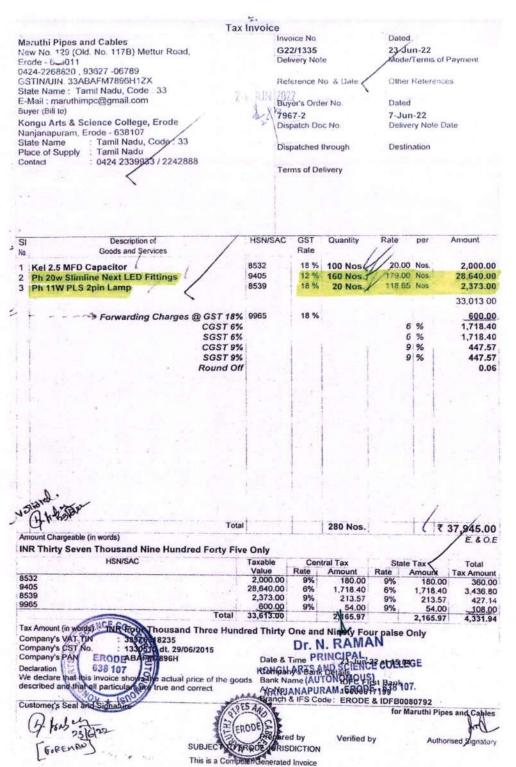
(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

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Maruthi Electricals		Inve	oice No.		C	Date	d	1	
No. DOP VCTV Road - V.			/19/01526			26-Jun-2019			
Sethy 3d, Erode - 638003		Del	Delivery Note (N	Mode/Terms Payment			
Ph: 0424 4562299/9362606789									
GSTIN/UIN: 33AADFM6694B1ZE State Name: Tamil Nadu, Code: 33		Sup	oplier's Ref		C	Othe	r Refen	ence(s)	
E-Mail: maruthielectricalsme@gmail.com									
Buyer		1000	yer's Order		- 1	Date			
Kongu Arts and Science College			Order Co				m-2011		
Nanjanapuram, Erode - 638107		Des	spatch Doc	ument No		Jenv	ery Not	le Date	
State Name : Tamil Nadu, Code : 33		Day	spatched II	rough	- 1	loct	ination		
		Des	sponsited if	noogn	-	7636	in Editor.		
		Ter	ms of Deliv	very	_				
SI Description of Goods	HSN/SAC	GST	Quantity	Rate	pe	er C	Disc. %	Am	ount
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2 Ph S10 Starter TI 2-35 3 Ph 28w/86 TL5 Essential C -55	85393190	18.39	40 Nos	11 Teles (25)	00 No			- 3	560.0
Ph 9w/86 BC LED Lamp (-5%)	85395000	12 %	10 Nos	A STATE OF THE REAL PROPERTY.	00 No	COLORS II	2 - 37	10	900.0
5 Ph 20w/86 Stellar Bright LED Glass Tube	85395000	12 %	20 Nos	A CONTRACTOR	22 No		7	4	464.4
6 Ph 18w/86 PL-C 2P C-55 /	85393110	18 %	20 Nos	93	22 No	DS.		1	,864.4
7 Ph Sumo Xtreme 36w C-55/1	8504,1010	18 %	20 Nos	110	18 No	DS.	- 1	2	,203.6
	6		77					15	,912.4
CGST 6%				1	6 %	5	1		321.8
SGST 6%	9				6 %	5			321.8
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SGST 9%				1	9 %	6			949.3
Round Off						-	-		0.2
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Total			232 Nos	-		-			E. Y. O.
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Amount Chargeable (in words) INR Eighteen Thousand Four Hundred Fifty Fiv HSN/SAC 85393190	Ta: V:		Centra	(Tax		%	Amour 547		Total x Amou
Amount Chargeable (in words) INR Eighteen Thousand Four Hundred Fifty Fin HSN/SAC 85393190 85369090 85395000	Ta: V: 6,	080.00 400.00 364.40	Centra Rate 9% 9% 6%	Tax Amount 547.20 36.00 321.86	99 99 69	% % %	Amour 547 36 321	7.20 5.00 1.86	Total x Amount 1,094.4 72.0 643.7
Amount Chargeable (in words) INR Eighteen Thousand Four Hundred Fifty Fiv HSN/SAC 85393190 85369090 85395000 85395110	Ta: V: 6,	080.00 400.00 364.40 864.40	Centra Rate 9% 9% 6% 9%	Tax Amount 547.20 36.00 321.86 167.80	99 99 69 99	% % % %	Amour 547 36 321 167	7.20 3.00 1.86 7.80	Total Amount 1,094.4 72.0 643.7 335.6
Amount Chargeable (in words) INR Eighteen Thousand Four Hundred Fifty Fin HSN/SAC 85393190 85395000 85395000 85393110 85041010	Ta: V: 6, 5, 1, 2,	alue 080.00 400.00 364.40 864.40 203.60	Centra Rate 9% 9% 6%	Manual 547.20 36.00 321.86 167.80 198.32	99 99 69	% % % %	Amour 547 36 321 167 198	7.20 5.00 1.86 7.80 3.32	Total Amount 1,094.4 72.0 643.7 335.6 396.6
Amount Chargeable (in words) INR Eighteen Thousand Four Hundred Fifty Fiv HSN/SAC 85393190 85395000 85395000 85393110 88041010	Ta: V: 6, 5, 1, 2, Total 15,	080.00 400.00 364.40 864.40 203.60 912.40	Centra Rate 9% 9% 6% 9% 6% 9%	Amount 547.20 36.00 321.86 167.80 198.32 1,271.18	Rate 99 99 69 99	% % % % % %	Amour 547 36 321 167 198 1,271	7.20 5.00 1.86 7.80 3.32	Total Amou 1,094.4 72.0 643.7 335.6 396.6
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Amount Chargeable (in words) INR Eighteen Thousand Four Hundred Fifty Fiv HSN/SAC 85393190 85369090 85399010 85041010 Tax Amount (in words): INR Two Thousand Five Hi Company's VAT TIN 33493040772 Company's CST No. 438591 dt. 11/12/87 Company's PAN ADFM6694B Declaration We declare that this invoice shows the actual price of goods described and that all particulars are true and c	Tay Vi. 6. 5. 1. 2. Total 15. undred Fo	alue 080.00 400.00 364.40 203.60 912.40 brty Two	Centre Rate 9% 9% 9% 9% 9% 9% 9%	Amount 547.20 36.00 321.86 167.80 198.32 1,271.18 rty Six p	Rate 99 99 69 99 99 aise (% % % % % % % % % % % % % % % % % % %	Amour 547 36 321 167 198 1,271	7.20 5.00 1.86 7.80 3.32 1.18	Total Amount 1,094.4 72.0 643.7 335.6 2,542.3
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KONGU ARTS AND SCIENCE COLLEGE

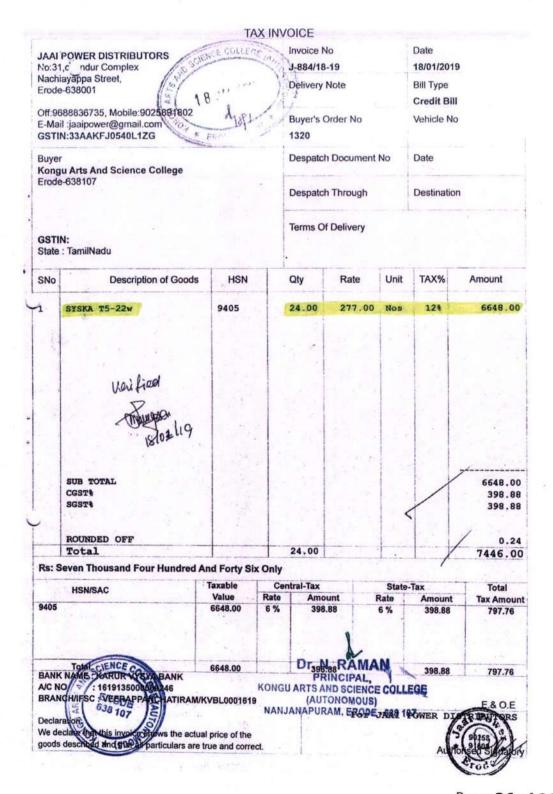
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KONGU ARTS AND SCIENCE COLLEGE

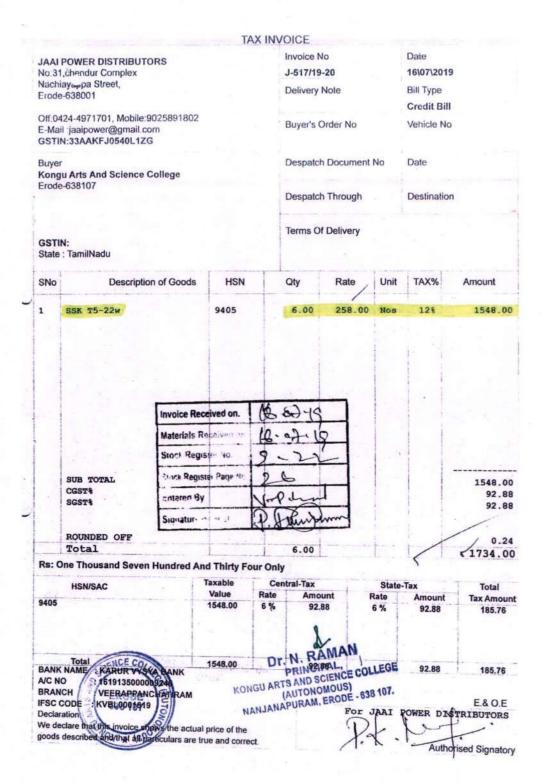
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THE SECOND SINCE THE

KONGU ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)





(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

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128	SATINATIONS SSTINATAODEL67	TOTAL TOTAL PROJECTION OF	W.2.11.20.11	7.45	1.4790	scengigma.	Coll &	ERQUE	638.101	1
	FA	fts. & suppliers of all kinds o	SOLAR PR	ODL	ICTS A	ND ENERGY	SAVING L	IGHTS		
		DELIVER	Y NO	ΓE	/IN	VOICE				
illed	lled To : KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)) In	Invoice No : 004					07.0	34.2021
NANJANAPURAM, ERODE - 638107, ERODE DIST PHONE : 0424 - 2242999		-	PO No : BY EMAIL DC No :					Date : 01.04.2021		
SI.	Descrip	tion of Goods/ Materials	_	ty	Unit	Rate/Unit	Taxable Value	GST %	Tax Amount	Amount (IN
1	36W LED LIGHT (36W LED LIGHT LESS: LED BUY HSN CODE: 94051010	BACK - Rs. 100/-)	1.4.2	111 2 - 1	NOS	982.14	8839.29	12%	1060.71	9900.0
ıpe	es In Words :	Proppos	20/1/4			Sub Total				9900
	NINE THOUSANDS AN	D NINE HUNDRED ONLY	PHIONY			Rounded off (+)				/
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(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

ERODE - 638 107

5.a. Power efficient Equipment - Solar Water Heater

Solar water heaters use natural sun light to heat water. This system works on the thermo siphon principle and is designed to provide hot water without consuming expensive electricity. This is the most effective way to generate hot water thereby saving costly power and is also environment friendly. The institution has solar water heater installed in staff quarters to ensure supply of hot water with the support of solar energy.

S.No	Name of the equipment	Model/ Units	Cost(Rs.)	Year of Purchase
1	Solar Water Heater	4	1,12,000	2013



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KONGU ARTS AND SCIENCE COLLEGE

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5.b. Bill for Power efficient Equipment - Solar Water Heater

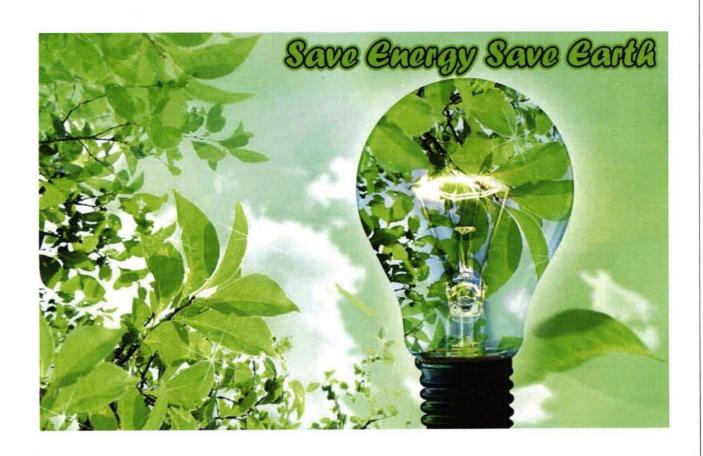
enn Al	LENIUM Power KILMEDU 6 TH STREET, DLONY,		DATE :	152 21.11.2013
ERODE	-638001.	TIN NO : 33313003817. CST NO : 1043234/15/12/10.		
PARTY NAME : Kongu Arts and Science College, ADDRESS : Nanjapuram, Erode.		D c NO : 0980 DESPATCH : 01.04.20 TRUCK NO : L.R NO :		
S.NO	DESCRIPTION OF GOODS	QTY	RATE	AMOUNT
01.	Sudarshan Saur Solar water Heater 300 LPD. SUBSIDY AMOUNT	4no's	47355.00	47232.00 142188.00 30188.00
	Spl.Discound SL.NO:57442,57443,76904,76905	103	▼	1,12,000.0
RUP	TOTAL EES: (One Lakh Twelve Thousand Only	1).		
DEC Desc Subj	LARATION: We declare that this Invoice the and that all particulars are true and ect to Erode Jurisdiction.	ce shows the a	For Miller	nium Power,
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(Autonomous)



ENERGY CONSERVATION POLICY





ENERGY CONSERVATION POLICY

Preamble

Energy plays a major role in the development of the Nation as well as the organisation. Energy conservation awareness at all level is important to engage and involve all stake holders in energy management program. The institution aims to promote awareness related with energy conservation among students. Energy Audit is important to identify energy conservation potential and gives an idea about energy cost reduction. Utilizing less energy is not a choice but should be a consistent practice for conserving energy. To conserve energy, various measures such as energy and environment audit have been implied as a practice. Energy audit in our institution is done every year. Our energy audit focuses to identify the judicious usage of electrical and thermal energy (where, when, why and how energy is being utilized).

Energy Conservation Practices:

- The Institution has installed Solar Power Plant towards energy conservation. For this purpose, renewableenergy resource of Solar Power Plant has been instilled. Overall Energy Generation for the last 5-Years is 4,51,096 kWh from Solar panels located in the roof tops of Main block and BCA block.
- Annual Energy audit is made mandatory
- Nearly 12 Solar Lights are instilled within the campus
- The Institution has adopted the training of utilizing all tactics for conservation practices by replacing all tube lights and bulbs with LED tubes and LED bulbs (1440 numbers) which are known for energy efficiency. The entire campus is completely free from incandescent and sodium vapor lamps.
- The Institution continuously creating awareness among the students on Energy conservation practices and insisting to diminish the consumption of electricity through turning off all lights, and appliances are not in use. Computer labs and departments are taking care of conservation by keeping computers and laptops in sleep mode when not in use.



RaisingAwarenessonEnergyConservation:

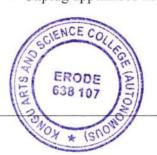
Continuous efforts have been put forth by instilling inventory practices to conserve energy by all means. Energy conservation awareness programmes have been arranged to the student community by eminent personalities from Energy Science Departments for inculcating the necessity and requirement of this practice.

The Institution motivates the students to execute projects on energy conservation, recycling and energy reduction which could enhance the holistic development of the students.

World Energy Conservation Day (December 14) is celebratedregularly and awareness programmes such as rallies and demonstrations have been carried out as outreach activities. Nearby school children are made aware by distributing LED bulbs and educating awareness on energy conservation as a prominent practice.

SaveEnergyTIPStobefollowed:

- Activate power management features on computer and monitor so that it will go into a Low power "sleep" modewhenthestudents and staff are not working on it.
- > Turn off the monitor when the students and staff leave the lab.
- Activate power management features on laser printer.
- > Whenever possible, shutdown rather than logging off.
- > Turn off unnecessary lights and use day light instead.
- > Avoidtheuseof decorativelighting.
- > Use LED or compact fluorescent bulbs.
- > Keep lights off in conference halls, classrooms, seminar halls when they are not in use.
- Use the fans only when they are needed.
- Unplug appliances not plugged into power strips





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NANJANAPURAM, ERODE - 638 107



WATER CONSERVATION POLICY





WATER CONSERVATION POLICY

Preamble

Water is one of the basic necessities for every living being and we cannot imagine a life without water. It is the natural resource and the main constituent of our planet earth. Water is the universal solvent and clean fresh water is a very limited resource. As the world continues to warm, freshwater will become more limited in future for all of us. Each decision of how we use water has the potential to make a positive impact for the future of our global water resources. It's the moral duty and responsibility of each individual and community as a whole to contribute to conserve water and rejuvenate the water resources.

In this aspect, Kongu Arts and Science College is committed to regulate water conservation, sustainable management and utilization of water resources effectively. We work on utilizing water efficiently, wisely and responsibly. The water conservation activities and strategies are well maintained in the campus. The presence of indigenous trees, usage of renewable source of energy like solar energy, water conservation by rain water harvesting and water recycling are some of the highlights of conservation.

The primary goal of Kongu Arts and Science College water conservation policy is to provide safe and clean water inside the campus and to educate the importance of water conservation to the students.

Goals and Plans

- Ensure awareness about the water conservation
- Maximize water use efficiency and minimize wastage of water
- Fix all the leaks and to use water wisely
- Reusing water for irrigation and watering the plants smartly
- Inform, educate and increase the awareness about the importance of Rain water harvesting
- Spread awareness among students through various clubs and forums
- Save water and avoid water scarcity







Initiatives

Water is the key factor for our survival. Our College gets water from four different sources:

- (i) Treated RO (Reverse Osmosis) water from an RO plant located at our sister concerned institution
 - (ii) Fresh water from the bore well
 - (iii) Rain water harvesting and
 - (iv) Treated water from Sewage Treatment Plant (STP).

1. RO Water

The college provides a safe and RO Treated drinking water to all throughout the year. It is stored in separate tanks located in roof top of each building. In each block the RO water is distributed through water purifiers.

2. Rain water Harvesting

Rain water is collected through

- i) Buildings during the runoff
- ii) Road run-offs and
- iii) Collected in small ponds

Rain water is collected and stored in front of each building and it percolates to underground and this increases the ground water level. There are four rainwater harvesting tanks, two recharge pits near the well and bore well and two rainwater storage tanks inside the campus for effective rain water management.

3. Bore well and Open recharge

The bore wells are constantly replenished with nearby recharge pits which aids in Percolating rain water and regular maintenance is carried out by the institution.

4. Sewage treatment plant for water recycling

The Institution has implemented conventional wastewater treatment plant with a total capacity of 2,00,000 Liters/day. The treated water is effectively used for irrigating the plants in the campus.

5. Awareness activities to impart water conservation awareness among students







Water Conservation Policy @KASC

National Service Scheme (NSS), National Cadet Corps (NCC), Eco club along with Science Forum guides the students to conserve water and create awareness by conducting various activities.





