

7.1.2 – 3. Alternate source of Energy and Conservation Measures

Energy conservation is the practice of using less energy. It is important to meet the demand and use the resource for longer period. Instead of depending upon a single source of electricity, the alternate sources of energy is being implemented in our college in order to utilize less energy, reduce the electrical consumption and the related electrical bill cost.

In the college campus, the traditional bulbs and lights are getting replaced by LED lights and solar lamps. The **LED** lights are installed in all the classrooms and labs. More than 60% of Traditional lamps are replaced by LED lights. To remind the importance of power savings amongst the students, they were instructed to “**Turn off**” lights and fans while they come out of the class rooms and “**unplug instruments**” when not in use. The PWD also shows a keen interest to install alternate energy sources in order to minimize the power utility and the cost of electricity bills. The **LTCT (Lower Tension Current Transformer)** has been also installed in the college for the free flow of current.

D. Lakshmi

PRINCIPAL
M.V.Muthiah Govt
Arts College for Women,
Dindigul - 624 001. Tamil Nadu

PWD-Letter – Furnished the details of LTCT, Led Lights, Rain Water Harvesting Pit, Total Built-up Area, Vacant Land Area

TECHNICAL EDUCATION DEPARTMENT

From
Er. J.Shajahan, B.E.,
Executive Engineer, P.W.D.,
Technical Education Division,
TamilNadu Polytechnic College Campus,
Madurai – 625 011.

To
The Principal,
M.V.Muthiah Government Arts
College for Women,
Dindigul

Lt No. : 1437/DB/JDO-2/F.114/2023/Dt : 18-08-2023

Sub : Buildings – M.V.Muthiah Government Arts College for Women, Dindigul – NAAC III Cycle particulars requested – furnished- Reg.

Ref : The Principal, M.V.Muthiah Government Arts College for Women, Dindigul vide Lt.No.Nil, Dated: 15.08.2023.

Based on your request letter dated 15.08.2023 the following details are furnished herewith .

- 1) LTCT Service Connection NU-204-004-2560 provided for 58.28 KN for total College building.
- 2) More than 60% of traditional Flu tubes in the College premises are replaced by LED lights so far.
- 3) Total Rain water harvesting Pit in the College Campus is 13 Nos
- 4) Total area of Land in MVM Government College for Women campus in 40.57 Acres (or) 1764411.81 Sq.ft
- (a) Total build up area -2.13 Acres (or) 92634.88 Sq.ft
- (b) Vacant Land area – 38.44 Acres (or) 1671776.92 Sqft

Executive Engineer, PWD,
Technical Education Division
Madurai-11

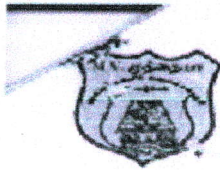
18/8/23

18/8/23

D. Lakshmi

PRINCIPAL
M.V.Muthiah Govt
Arts College for Women,
Dindigul - 624 001, Tamil Nadu

Solar Street lamp Bill -Purchased



M.V.MUTHIAH GOVERNMENT ARTS COLLEGE FOR WOMEN
(Affiliated to mother Teresa women's university, Kodalkanai)
Re-accredited with 'A' grade by NAAC
DINDIGUL - 624 001, TAMILNADU

TEL : 0451 - 2460120

FAX: 0451 - 2460120

E-mail: principal@mvmwgadgl.ac.in
mvmwdindigul@gmail.com
Website: www.mvmwgadgl.ac.inDr. (Mrs). C. Latha Pooranam, M. Com., M.Phil., Ph.D.,
Principal

Date: 13.02.2020

Letter No.: RUSA 10/2019-20/06.

To

Pari Solar
17A, Co-operative Colony,
Trieby Road (GH Road)
Dindigul - 624 001,
Mobile: 9159080808, 7868909090
E-mail: parisolarenergy@gmail.com

Sub: Purchase of Solar Street Lamp with Fittings - Order Placed - Reg.,
Ref: Your Quotation dated 06.02.2020.

With reference to your letter cited, we place orders for the purchase of following items.

Solar Street Light with Fitting Civil work - 5 Nos.

Description:

Solar Street light pole 10 sq. ft. (4 inch) with battery box, Panel Frame, AN MNRE Approved Solar Panel 50 Watts (panel 25 years warranty), Solar Tubular battery 40Ah (5 year full replacement warranty), Solar Street light 18 watts LED with automatic charge Controller LED Light (2 Year Warranty), Fitting Charge, Wire material free with civil concreting work, Three month once service up to 2 years.

1.	Mailing & Delivery Address	The Principal, M.V. Muthiah Government Arts College for Women, Thadikombu Road, Dindigul - 624 001. www.mvmwgadgl.ac.in , Phone : 0451 2460120
2.	E-mail:	principal@mvmwgadgl.ac.in, mvmwdindigul@gmail.com
3.	Payment Details	Per Unit : Rs. 23,000/- Total Amount Rs.: 1,15,000 /- (One Lakh and Fifteen Thousand only)

We request you to make necessary arrangements to supply the above said items and triplet original invoice copy at the earliest.

Copy to:

1. RUSA file copy
2. Office file Copy

Principal
13/02/2020
Principal
M.V. Muthiah Govt
Arts College (W)
Dindigul - 1.

P. Lakshmi
PRINCIPAL
M.V.Muthiah Govt
Arts College for Women,
Dindigul - 624 001, Tamil Nadu

Department wise Details of using Bulbs, Lights and Fans

S. No	Departments	No .of class Rooms (including staff Room & Library)	No of traditi onal bulbs	No of LED bulbs	No of fans	No of tube lights	Fancy Lights	Total No of lights	Electrical Energy conservation measures in 2 sentences
1	PG DEPT OF TAMIL	1 - 12	-	78	68			78	
2	PG DEPT OF ENGLISH	DE4,DE3, DE2,DE1 DE11,DE 10 DE09,DE 12	-	103	58	34	9(Lang uage lab)	43	
3	PG DEPT OF HISTORY	59, 63, 85, 86, 87, 88, 89, 90,91	-		32	41	8CLP	49	
4	PG DEPT OF ECONOMICS	9 (Physics Lab), 10,11,12,2 1,22,24,25 ,26,27,28, 29	-	-	61	-	-	67	<p>We save the electrical energy in the following ways:</p> <p>i) We use Electrical Energy only when we assemble in the dept and attend the class rooms</p> <p>ii) Fans are not used in winter season.</p> <p>Staff and Students are keen on conserving Electrical Energy in proper way.</p>
5	PG DEPT OF COMMERCE	14,1,2,3 4,13,15, 17,18	-	54	43	-	-	54	To conserve the electric energy, the students are advised to switch

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									off the lights and fans properly before leaving their respective class rooms.
6	PG DEPT OF MATHEMATICS	31,smart, 33, 34,35,36, 43, 44,45,46, 60, 62,64,65	-	68	45	-	-	68	
7	PG DEPT OF PHYSICS	28,27,LA B50,51,79, 81,82	-	41	36	-	-	41	Electrical Energy is consumed more in the laboratories, when compared to classrooms.
8	PG DEPT OF CHEMISTRY	14,16,17,19,21,25,52, 53,80,48, 47	3	51	37	-	-	54	1. We switch off all the lights and fans when not in use. 2. We use more number of LED bulbs instead of traditional bulbs.
9	PG DEPT OF ZOOLOGY	A54, A47, A14,A53, A55, LAB, A16,A11, A12,A13, 74		21	39	18		30	
10	BOTANY	4,5,20,8,6		30	26	-	-	30	
11	PG DEPT OF GEOGRAPHY	9,8,8A Lab (1),8A Lab (2),22,26, 37,38,39, 40,41,84, 85	8	50	43	-	-	55	Energy-efficient light bulbs is used. Energy-saving LED bulbs are installed. Every individual takes the


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									responsibility to switch off lights and equipment when not in use.
12	PG DEPT OF COMPUTER SCIENCE	A-40,B-16 C1 Lab,C-3,C-4,C-5 C-6,C-7 C-8,C-2	-	79	67	-	-	94	By replacing LED bulbs with the traditional bulbs, 50 % of Energy is saved in the department.
13	BBA DEPARTMENT	GF1,GF2 GF3 STAFF ROOM – FF, FF2	-	-	23	-	-	43	

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