

Managed by : GDR Educational Society

- 7.1.3 The Institution has facilities for alternate sources of energy and energy conservation devices
- 1. Solar energy
- 2. Wheeling to the Grid
- 3. Sensor based energy conservation
- 4. Use of LED bulbs/ power efficient equipment



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6	Use of LED bulbs/ power efficient equipment	11



CERTIFICATE OF THE HEAD OF INSTITUTION



Managed by : GDR Educational Society

Dr.Karthik Krishna M, M.D.S., DEAN

TO WHOMSOEVER IT MAY CONCERN

This is to certify that our Institution has facilities for alternate sources of energy and energy conservation devices

- 1. Solar energy
- 2. Wheeling to the Grid
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- 4. Use of LED bulbs/ power efficient equipment



DEAN Science & Resear (C.S.)

Rungta College of Dental Science & Resear (C.S.)

Rungta College of Dental Science & Resear (C.S.)



INSTALLATION RECIEPTS



SOLAR ENERGY



Project completion Report for Solar Power Plants (1-100kWp) Part-A (by the installer)

SNo	Component	Observation
1	Sanction No & Date	24117/CREDA/SPV Grid-SFA/16-17 Dated 31.03.2016
2	Category:-Nodal Agency/ Channel partner (Name) and Complete Address	State Nodal Agency: CREDA, Raipur (C.G) SI: S.R. Corporate Consultant P.Ltd, Raipur
	Site/ Location with Complete Address	Rungta College of Dental Science & Researc Center, Rungta Knowledge City, Kohka Road, Kurud, Bhilai, Durg (C.G.) 490024
	Longitude/ Latitude	21 ⁰ 23'50" N 81 ⁰ 34'42" E
3	Capacity of system installed(kWp)	100 kWp
4	Specification of the Modules	TOO KWD
	Make of Modules	Vikram Solar
	Wattage	
	C	300 Wp
	Module Efficiency (Enclose I-V curve of any of the module used in the system)	Soft Copy of I-V curve provided with JCC, one hard copy enclosed
	Nos.	340
	No of series &Parallel combinations	17 Modules in Series, Parallel: 10 strings per inverter total 20 strings
	Tilt Angle of Modules	22°
4.1	IEC certificate	21221521
- 1	Date of issue	28.05.2015
	Agency	TUV Rheinland
	Validity	27.01.2020
	Enclose a IEC certificate	Copy of certificate enclosed
4.2	Whether imported or indigenous.	Indigenous.
4.3	Whether RFID tag is pasted or not?	Pasted
	If so, tag is inside or outside. If not, the reason?	Inside (Back Surface of Module)
4.5	Type of RFID	UIIF type
5	PCU	
	Make,& rating	Delta
	Type of Charge controller/MPPT	50 KW String Inverter
	Make &Capacity of inverter	Delta 50 KW String Inverter
	Output :Single Phase/3 Phase	3 phase
	Whether hybrid or stand alone	Online otor
	Whether indigenous or imported	Imported
	Enclose test certificate as per	IEC Certificate enclosed
	MNRE requirement	The Confidence enclosed
	Input Voltage to Inverter	520-800 VDC input Voltage and 415V Output Voltage







	Batteries	-
	Make of batteries	System is Installed without Batteries
	Type: Tubular Lead Acid /VRLA/GEL	- Willout Batteries
	Rating Rating	A CONTRACTOR OF THE PROPERTY O
	Nus.	A construction of the second s
	No of series and parallel combinations	4 1
	Enclose test certificate as per MNRE requirement	
7	Depth of Discharge Proposed	Charles and Charle
	Autonomy(Days)	Service and the service and th
K	Structures	
	Tracking or non tracking	Maria Carrier of the San Carrier
	Indigenous or imported	Fixed Tilt
)	Cables Make and size	Indigenous
	Enclose Certificate: Rating :-	Enclosed
	voltage of cable	LOOD V. P.
()	Distribution Box	1000 V Ratings
	Name	ACIDO O LA LIN
	Make	AC/DC Control Pannel
	Certificate	Hensel Electric (P) Ltd va
	Earthling and protections	IP 65
	Lightening Arrester (Type)	Traditional
!	Date of Commissioning	08.07.2016
	Enclose Generation data for one month (for without battery systems)	
1	Enclose energy consumption data for one month (for battery based systems)	
	Monitoring Mechanism for the installed System	Through Data Logger
	Technical Person Trained to maintain system Name with Mobile no.	Mr. Rama Rao Bairagi Mob: 08966002651

Declaration

It is to certify that all the components/subsystems and materials including junction boxes, cables, distribution boards, switches, circuit barkers used are as per MNRE requirement and as per DPR submitted.

For, S.R. CORPORATE CONSULTANT (P) LTD.



Qungla College of Denial Science & Research



Place:

PART-B (By the customer)

S No	Component	Observation
1	Name of the customer	Rungta College of Dental Science & Research Center
2	Location	Rungta Knowledge City, Kohka Road, Kurud, Bhilai, Durg (C.G.) 490024
	Consoity (kWn)	100 kWp
3	Capacity (kWp) Whether training was provided by installer for operation and maintenance	Yes
4	Whether the following documents were provided or	
	not	Yes
	I-V curves of all modules	Yes
	Inverter manual	Yes
	Warranty card for system	08.07.2016
5	Date of handing over of the system	Total Project Cost: 72.9 Lac
6	Cost breakup	Beneficiary Share: 33,9 Lac MNRE Share: 24. Lac CREDA Share: 15. Lac

It is to certify that all information given above is true and correct to best of my knowledge



OEAN Science & Research
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Runda Science & Research
Runda Science & Research
Runda Science & Research



PART-C

Inspection report

(By inspecting Officer)

	S Component	Observation
	1 Site/ Location with Complete Address	Rungta College of Dental Science & Research, Rungta Knowledge City. Kohka Road, Kurud, Bhilai, Durg (C.G.) 490024
	2 Capacity of system installed(kWp) 3 Whether the system was installed.	1001.11/
	3 Whether the system was installed in shad free area or not? If not mention the details	our V
e Principal	Gap between rows of the modules	3 Meter
-	Any inter module shading exists or not	No
	Whether the modules contains information about company name, serial no and year manufacturing inside	Yes
-	RIFD pasted inside or outside	Inside
4	100	Delta
	Whether the information given in part Λ is same or found any deviation	No Deviation
5	Batteries	Carl - All Contract Carl All Contracts
	Whether the information given in part A is same or found any deviation	-
	Structures	
	Cables Make and size	Module Stringing Siechem 4 Sq mm Inverter to ACDB Ravin 35 Sq mm
		ACDB to Load Polycab 150 Sq mm
1	Distribution Box	AC/DC Control Pannel
1		Make - Hensel Electric (P) Ltd
1	Earthling and protections	As per standard specified in Electrical Code, SPDs in each Distribution Panel Separate Earthing for Module, Structure and Solar Inverters Lightning



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10	Cumulative generation data at the date of visit or cumulative energy consumption data at the time of visit	
11	User Feed Back	System is running smoothly and satisfactorily
12	Any specific problem	No

1. Signature de With Stamp and date

2. Channel partner signature with stamp and date

3. Signature of inspecting Officer and date

For, S.R. CORPORATE CONSULTANT (P) LTD.

List of enclosures:

1. Copy of invoice billed to user

2. List of serial no. of modules and batteries installed in the system

3. Test certificates of the components

4. Statement of Expenditure

5. Original Color photographs



OEAN Science & Research C.G.)

Zung'a Cellege of Denial Country (C.G.)

Road, Kurud, Enilei (C.G.)



TAX INVOICE

oni na Pet Ltd. competi, from	Involce No. SR/SOLAR/15/2016-17	Dated 26/10/2016	
9492012012646	Delivery Note		
	Supplier's Ref.	Other Reference(s	
Price of Dental Science & Research	Buyer's Order No.	Dated	
्रक Landedge City, Kohka Road जन्म Bhilai	Despatched Document No.	Dated	
	Despatched through By Road	Destination Raipur	

Description of Goods	Quantity	Rate	Per	Amor
supply of Grid connected Rooftop Solar Power Plant of 100 kWp capacity	1	6000000		. 600
VA1. Leempted in Chhattisgarh				6000 540 6540
Less Subsidy receivable from CREDA				1500
Total				50400

Amount Chargeable (in words) Fifty Lakhs Forty Thousand Only.

E. & O.

: AACCP9830A Company's PAN No. Company's Service Tax No. : AACCP9830AST001 Company's VAT TIN : 22571306986

Company's CST No.

Buyer's VAT TIN/ Sales Tax No. :

22571306986

Declaration: We declare that this invoice shows the actual price of goods described and that all particulars are true

For SR Corporate Consultant Pvt.

Authorised Signa

This is a Computer Generated Invoice



DEAN

DEAN

DEAN

DEAN

Gungla College of Denial Science & Research

Aurud, Brillai (C.G.)

Ronka Road, Kurud, Brillai (C.G.)



WHEELING TO THE GRID



Managed by : GDR Educational Society

Throace Number: 1005982 / 374500-1005982

10 Nmonth: APPA/2018

10 And And Address: Description of the following state of the following s

Davamahara	Landingal	BeadingsII
D(Normal)	0.388	
P(On-Peak)	0.378	
D(Off-Peak)	0.336	
ultiplying Factor	600.000	
E to be billed	232.560	
ransformer Loss	0.000	
emand Adj.	0.000	
heeled Unita(-)	0.000	
otal Max.Demand	232.560	
et Max.Demand		232.560
D for Penal Unit	0.000	
CURR. 101.05.2016	1,596.515	
PREV.101.04.2018	1,442.580	
ifference	153.935	
ultiplying Factor	600.000	
iff. x MF	92,361.000	
ransformer losses	0.000	
djustments	0.000	
otal Units	92,361.000	
et Units		92,361.000
ax.Demand Rec.		232.560
t of CD		225.000
D.for Teriff		60:000
lling Demand		233.000
AN Readings		
URR.):01.05.2018	1,632.395	
REV. J:01.04.2018	1,477.150	
ference	155.245	

Dill 81.No.; 70005463854
Diceptance of Cheques ; MO
Due Date
Cheque Date
14.05.2018
Elec.Duty
20.00
DLF ED9
20.00 DD Date 16.05.2018 DLF EDS MOLF EDS 0.00 0.00

PAN No.AAATG5162F

	112,300.00
Minimum Charge	199,541.32
Energy Charge (On-Peak)	138,291.30
Energy Charge (Off-Peak)	236,136.60
Energy Charge (Normal)	87,375.00
Demand Charge	************
Basic bill for the month	661,364.22
Demand Charge	87,375.00
233.00 x 375.0000 Energy Charge (On-Peak) 26,397.00 x 7.3600	199,561.32
Energy Charge (Off-Peak)	138,291.30
29,268.00 X 4.7250 Energy Charge(Normal)	236,136.60
37.482.00 X 6.3000 VCA 92,361.00 X 0.2400-	22,166.64-
Electricity Duty	110,365.00
Cess	9,314.70
93,147.00 X 0.1000 Meter Rent	1,140.00
Goler Export F.F. Adjus	3,595.44-
Current Surcharge	0.00
Current Month Bill	756,421.84
Arrears Excluding Surcharge	2.82
Other Charges	3.66-
Security Deposit Int.	109,801.00-
Tax Deducted at Source	10,980.00
Bill by due date	657,600.00
(In Words): Rupees Six Lakhs Fifty Seven	n Thousand Six

Wheeling to the grid



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QEAN

OEAN



SENSOR BASED ENERGY CONSERVATION

AN INITIATIVE BY SANJAY RUNGTA

amazon.in

Tax Invoice/Bill of Supply/Cash Memo (Original for Recipient)

Sold By :

BLACKT ELECTROTECH

*Building 2 (Wh 2), Plot no. 12/P2 (IT Sector), Hitech, Defence and Aerospace Park, Devanahalli Bengaluru, Karnalaka, 562149

Billing Address:

Akash Agrawal

Sanjay Rungta Group Of Institutions, Near Indu ITI

Bhilai, CHHATTISGARH, 490024

State/UT Code:22

PAN No:BWNPD2719K GST Registration No:29BWNPD2719K1ZQ Dynamic QR Code:

Order Number:405-7210921-0161111

Order Date:28.04,2023

Shipping Address : Akash Agrawal Akash Agrawal

Sanjay Rungta Group Of Institutions, Near Indu ITI

Bhilai, CHHATTISGARH, 490024

State/UT Code:22

Place of supply:CHHATTISGARH

Place of delivery: CHHATTISGARH

Involce Number :BLR8-974

Invoice Details :KA-BLR8-141883061-2324

Invoice Date: 28.04.2023

Unit Price	Discount	Qty	Net Amount	Tax Rate	Tax Type	Tax Amount	Total Amount
A CONTRACT	2.52.50	152	CHEST STATES	1	2.00		
	₹4 <u>9</u> 6.61	1496.61 10,00	1496.61 10,000 2	\$496.61 \$0,00 2 \$993.22	1496.61 10.00 2 1093.22 18%	\$496.61	Recount 2 Amount Rate Type Amount R496.61 R496.6

TOTAL:

1178,78 11.172,00

Amount in Words:

One Thousand One Hundred Seventy-two only

For BLACKT ELECTROTECH:

BUDGHKON-

Authorized Signatory

Whether tax is payable under reverse charge - No



Pungta College of Dental Science & Research
Kohka Road, Kurud, Bhilal (C.G.)



USE OF LED BULBS/POWER EFFICIENT EQUIPMENT



Managed by : GDR Educational Society

A ANUMBER & CITY, KOHKA - KURUD RO D, BHILAY - 490024 Phone: 0788-6660666, Email: rungtacivilstore@gmail.com

(PURCHASE ORDER)

Purchase Order To

Supplier Name : AGRAWAL ELECTRICAL

PO No :3561

PO Date :09-11-2022

:SRGI/STORE/PO/2022 Refrence No.

: RUNGTA COLLEGE OF DESTAL SCIENCE

AND RESEARCH

: Chhaattiagarh (22)

Department : CIVIL STORE

Purchase Order From -

Mobile No : 9229344405

Dear Sir/Ma'am:

. ... to from air required by RUNGIA COLLEGE OF DENTAL SCIENCE AND RESEARCH , please deliver the same at the emplicant

	Product Name			TINU	RATE	CGST	SGST	E GST	TOTAL
	SE TUSE LIGHT 20 WATT	ORIENT	200	PCS	160.00	0.00	0.00	0.00	22 000 00
Tata	100000000000000000000000000000000000000		10	张 ·德·	10 5 (2.51 (2.51)	Land to the	- NOTE 15 15	Article process (OZ, POZNOWANIA

Total Amount in Words : THIRTY TWO THOUSANDS RUPEES ONLY

Note : Invoice should be made in RUNGTA COLLEGE OF DENTAL SCIENCE AND RESEARCH

TERMS & CONDITION:

1. PAYMENT ADVANCE 2. GST INCLUSIVE 3. BILL SHOULD BE SENT ALONG WITH MATERIAL



OEAN Science & Research



Managed by : GDR Educational Society

- 7.1.3 The Institution has facilities for alternate sources of energy and energy conservation devices
- 1. Solar energy
- 2. Wheeling to the Grid
- 3. Sensor based energy conservation
- 4. Use of LED bulbs/ power efficient equipment

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CERTIFICATE OF THE HEAD OF THE INSTITUTE

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Dr.Karthik Krishna M, M.D.S., DEAN

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Qungta College of Dental Science & Research



GEO TAGGED PHOTOS



SOLAR ENERGY





Solar Panel





Solar panel of 100 kW capacity

DEAN DEAN Science & Research aungla College of Denial Science & Research Ronka Road, Kurud, Bhilai (C.G.)



WHEELING TO THE GRID



Managed by : GDR Educational Society

Trace Number: 1005982 / 374500-1005982

13.2 Month: APR/2018 Bi Date: 01.05.2018

14.3 Date: 01.05.2018

15.4 Date: 01.05.2018

15.5 Date

PAN No.AAATG5162F

Parameters	Beading-I	Beading-II	Minimum Charge	112,500.00
D(Normal)	0.388		Energy Charge (On-Peak)	199,561.32
D (On-Peak)	0.378		Energy Charge (Off-Peak)	138,291.30
D(Off-Peak)	0.336		Energy Charge (Normal)	236,136.60
ultiplying Factor	600.000		Demand Charge	
D to be billed	232.560		Demand Charge	87,375.00
ransformer Loss	0.000		Basic bill for the month	661, 364,22
emand Adj.	0.000			601,364.22
heeled Units(-)	0.000		Demand Charge	87,375.00
ctal Max.Demand	232.560		1 233.00 x 375.0000	0.,515.00
et Max.Demand		232,560	Energy Charge (On-Peak)	199,561.32
D for Penal Unit	0.000		26,397.00 X 7.5600	
WH - Reading			Energy Charge (Off-Peak)	138,291.30
CURR.)01.05.2018	1,596.515		29,268.00 X 4.7250	
PREV.101.04.2018	1,442.580		Energy Charge (Normal)	236,136.60
ifference	153.935		1 37,482.00 X 6.3000	
ultiplying Factor	600.000		VCA 92,361.00 x 0.2400-	22,166.64-
iff, x MF	92,361.000		Electricity Duty	
ransformer losses	0.000		I Cess	110,365.00
djustments	0.000		93,147.00 X 0,1000	9,314.70
otal Units	92,361.000		Meter Bent	
et Units		92,361.000	Solar Export P.P. Adjus	1,140.00
ax.Demand Rec.		232.560	1,266.00 X 2.8400	3,595.44-
5% of CD		225.000	Current Surcharge	0.00
.D.for Tariff		60,000		0.00
illing Demand		233.000	Current Month Bill	756,421.84
VAH Readings			Arrears Excluding Surcharge	2.82
CURR.):01.05.2018	1,632.395		Other Charges	3.66-
PREV.):01.04.2016	1,477.150		Security Deposit Int. Tax Deducted at Source	109,801.00-
ifference	155.245		Bill by due date	657,600.00
altiplying Factor	600.000		[(In Words):Rupees Six Lakhs Fifty	

Wheeling to the Grid



OEAN Science & Research



SENSOR BASED ENERGY CONSERVATION





SENSOR BASED LIGHTS



SENSOR BASED LIGHTS



agta College of Dental Science & Resear Yohka Road, Kurud, Bhilal (C.G.)



USE OF LED BULBS/POWER EFFICIENT **EQUIPMENT**





LED Lights



2unga College of Denni Science & Research



Managed by : GDR Educational Society

ALTERNATE SOURCE OF ENERGY-

SOLAR ENERGY



Managed by : GDR Educational Society



Solar Panel



Solar panel of 100 kW capacity



Managed by : GDR Educational Society

WHEELING TO THE GRID

First Rumber: 1005982 / 374500-1005982 31)2 Month: APR/2018 Bi Date: 01.05.2018

Month: APR/2018

APR/2018

APR/2018

APR/2018

ADR Educational Society Unit II

Sungta Educational Campus

Gurud Road, Kohaka, Bhilai

| Curud Road, Bhilai

| Curud Road,

Bill Sl.No.: 70005463854 cceptance of Cheques : NO Due Date | Due Date | DD Date | 14.05.2018 | 16.05.2018 | Elec.Duty | DLF ED% | NDLF ED% | 20.00 | 0.00 | 0.00 |

PAN No.AAATG5162F

Parameters	Reading-I	Reading-II	Minimum Charge	112,500.00	
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ifference	155.245		Tax Deducted at Source Bill by due date	10,980.00 657,600.00	
ultiplying Factor	600.000		(In Words):Rupees Six Lakhs Fi		

Wheeling to the Grid



Managed by : GDR Educational Society

USE OF LED BULBS/POWER EFFICIENT EQUIPMENT



LED Lights