

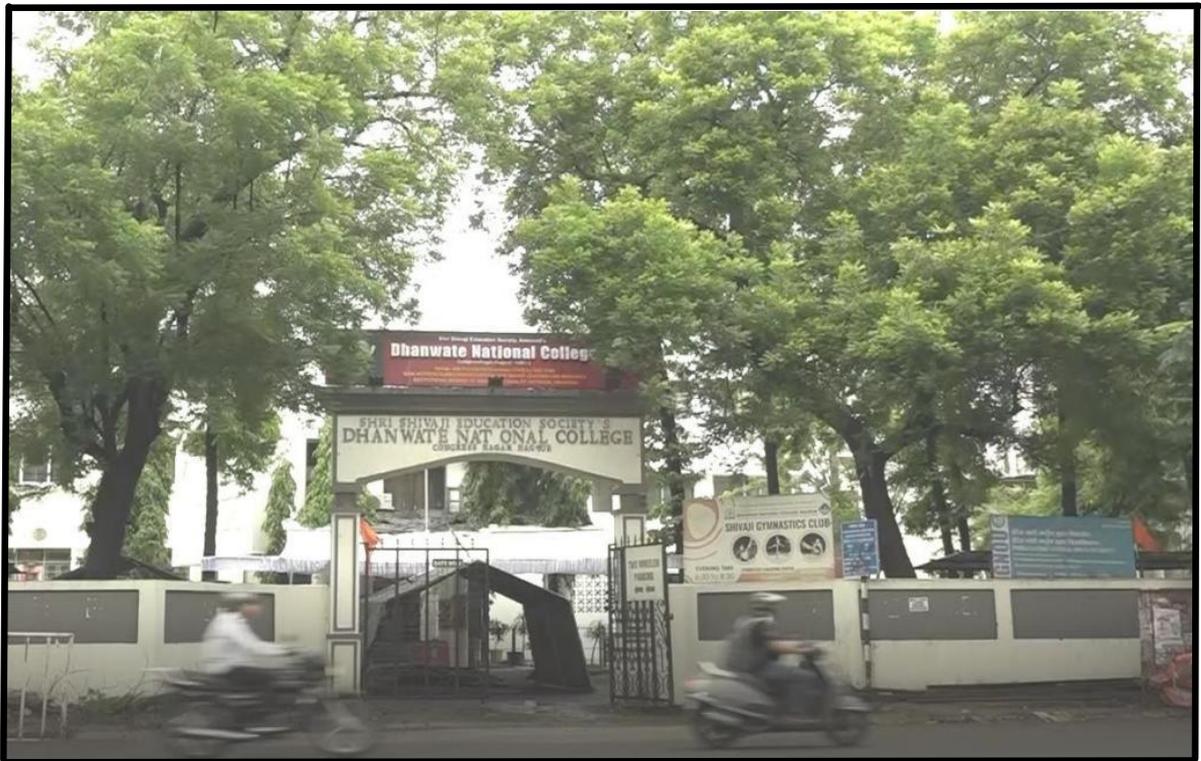


Shri Shivaji Education Society, Amravati's  
**Dhanwate National College**  
Congress Nagar, Nagpur



**Established in 1935**

**College with Potential for Excellence status by UGC, New Delhi**  
**PM-USHA 4.00 Grant for College Strengthening**  
**Re-Accredited 'B+' Grade, CGPA 2.53 by NAAC, Bangalore**  
**Centre of Higher Learning and Research**  
**Institutional Member of APQN, Shanghai**



**4<sup>th</sup> Cycle**

**Assessment & Accreditation by NAAC**

# AQAR 2023-2024

## CRITERION VII- INSTITUTIONAL VALUES AND BEST PRACTICES



### 7.1- Institutional Values and Social Responsibilities

#### 7.1.2- The Institution has facilities for alternate sources of energy and energy conservation measures



**Dr. Panjabrao alias  
Bhausaheb Deshmukh**  
Founder President



Estd. 1935

Shri Shivaji Education Society, Amravati's (Regd. No. F. 89)  
**DHANWATE NATIONAL COLLEGE**  
Congress Nagar, Nagpur.

'College with Potential for Excellence' (C.P.E.) By U.G.C. Delhi  
NAAC ACCREDITED 'B+' GRADE, CGPA 2.53  
RECOGNISED CENTER FOR HIGHER LEARNING AND RESEARCH  
INSTITUTIONAL MEMBER OF ASIA PACIFIC QUALITY NETWORK, SHANGHAI

**Hon. Shri Harshwardhan P. Deshmukh**  
President

**Dr. Omraj S. Deshmukh**  
M.Sc., Ph.D.  
Principal

No./DNC / \_\_\_\_\_

Date : 26/12/23

### Self Declaration

This is to certify that, the information, report true copies of the supporting documents, numerical data and weblinks furnished in this file are verified by IQAC and the head of the institution and found correct.

Hence this certificate is issued.

**Dr. K. D. Meghe**  
IQAC Coordinator



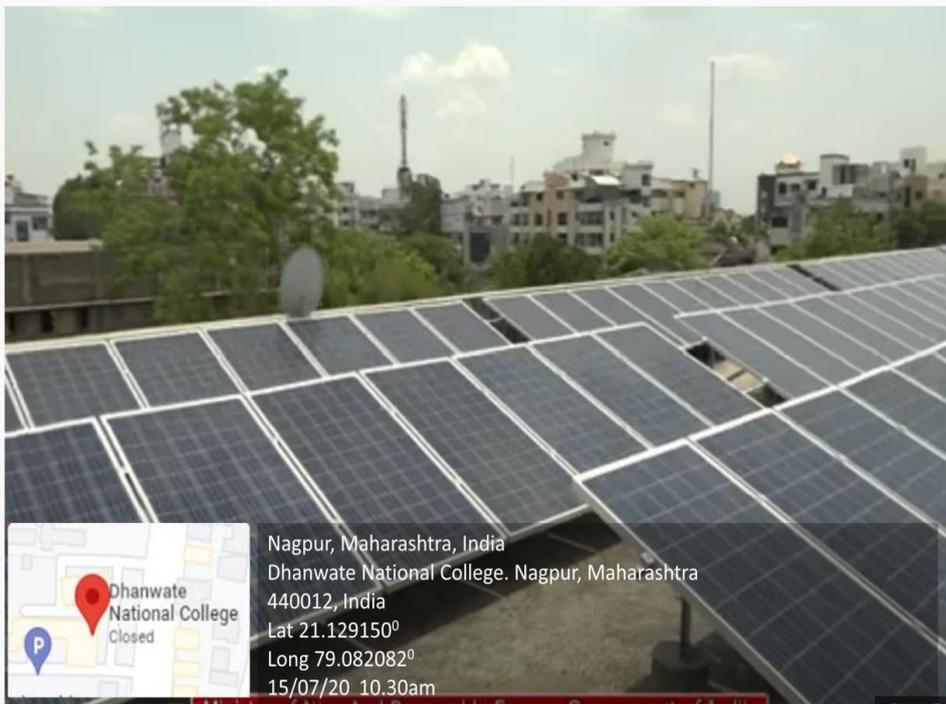
**Dr. O. S. Deshmukh**  
Principal

## **7.1.2- The Institution has facilities for alternate sources of energy and energy conservation measures**

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## Solar Panel



# Wheeling to the Grid

**MAHARASHTRA STATE ELECTRICITY DISTRIBUTION COMPANY LIMITED**

**OFFICE OF THE EXECUTIVE ENGINEER**  
**CONGRESS NAGAR DIVISION**  
 NEAR RAMAKRISHNA MATH - DHANTOLI  
 NAGPUR - 440012

MBL 9960678011 0712/2530269-2522949

No. EE/CNDN/Tech/  
**To,**  
**The Principal,**  
**Dhanvate National college,**  
**Congress Nagar Dhantoli,**  
**Nagpur-440012.**

5816 OFFICE OF THE PRINCIPAL Date: 27-10-17  
 DHANWATE NATIONAL COLLEGE,  
 NAGPUR  
 INWARD NO. 724/20/218  
 DATE 02/11/2017

**Sub:-** Revised sanction for connecting the solar PV projects/systems for load 32 KW on Rooftop or any Mounting structure in R/o your premises to the Distribution network of MSEDCL.

- Ref:-**
1. MERC (Net Metering for Roof-top Solar Photo Voltaic Systems) Regulations, 2015
  2. MSEDCL, Commercial Circular No. 258.
  3. Your Application dated -30.03.2017
  4. Feasibility Report from -Addl Ex.Engr. Regent S/Dn.vide No.556 dt 26.04.2017
  5. Registration Fees Rs. 1000/- paid (on line) vide M.R. No. 3091593261371080 dtd.-18.04.2017

Dear Sir,

In exercise of the powers delegated as per the Commercial Circular No. 258 dated 25/01/2016 the undersigned is pleased to revised sanction your application for connecting the solar PV projects/systems on Rooftop or any mounting structure in your premises to the Distribution network of MSEDCL to your unit at above address. is sanctioned Vide No. EE/CNDN/Tech/LS-Solar Roop Top(CL)/ 30 dated 27.10.2017.

Consumer No.	Voltage Level	Sanctioned Connected load KW	Proposed AC capacity of Roof-top Solar PV System to be installed	Purpose
419996363253	415 Volt	40 KW	32 KW	Commercial

4) **VALIDITY**

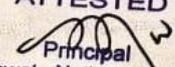
The validity of this sanction letter is for a period of six months from the date of issue.

You will have submit the work completion report, along with relevant details (such as technical specifications, test reports received from manufacturer / system provider, etc.), with a request to the Distribution Licensee for the testing and commissioning of the Roof-top Solar PV System within the period of validity.

MSEDCL reserves the right to revalidate the sanction subject to the conditions prevailing at the time of revalidation.

- 5) **VOLTAGE LEVEL**  
 The Net metering will be connected at 415 Voltage level.

- 3) **DOCUMENTS:**

**ATTESTED**  
  
 Principal  
 Dhanvate National College,  
 Nagpur

AEE No. 3511 Dt. 30/10/17  
 AA  
 AE  
 Addl. Ex. Engineer  
 Regent S/Dn

You shall have to furnish the following documents in triplicate duly attested,  
iv) work completion report,  
v) technical specifications, test reports of the Roof-top Solar Photo Voltaic Systems received from manufacturer / system provider

**METERING**

- 4) i) The Net Meter in the premises of the Eligible Consumer shall be procured and installed by MSEDCL at its own cost and in accordance with the provisions of the Electricity Supply Code. The Eligible Consumer may opt to procure the Net Meter conforming to The standards specified By the CEA at his cost. The testing and installation will be done by the MSEDCL.  
ii) The Eligible Consumer shall install, at his own cost, a Solar Generation Meter Conforming to the applicable CEA Regulations at an appropriate location to measure the energy generated from the Roof-top Solar PV system, if he is an Obligated Entity and desires that such energy be counted towards meeting its RPO.  
vi) MSEDCL shall install, at its own cost and with the consent of the Eligible Consumer, Solar Generation Meter conforming to the applicable CEA Regulations at an appropriate location to measure the energy generated from the Roof-top Solar PV System if it desires that such energy be counted towards meeting its RPO.
- 5) **SPACE FOR EQUIPMENTS**  
The Net Meter and the Solar Generation Meter shall be installed at such locations in the premises of the Eligible Consumer as would enable easy access to the MSEDCL for meter reading.
- 6) **ENERGY ACCOUNTING & SETTLEMENT:**  
The energy accounting and billing shall be carried out as per MERC orders in the matter time to time.
- 7) **ARREARS**  
You will have to clear all the outstanding arrears, if any, prior to installation of net meter.
- 8) **NET METERING CONNECTION AGREEMENT:**  
The Eligible consumer shall execute a Net metering Connection Agreement on Stamp Paper of Rs.200 with MSEDCL as per Regulation No. 9 of MERC (Net Metering for Roof-top Solar Photo Voltaic Systems) Regulations, 2015
- 9) **ACCEPTANCE**  
Please arrange to submit your acceptance in writing for the above terms and conditions. On completion of the above formalities further action for net metering will be taken from our end. In case of any doubt/difficulty or clarification needed, may please contact this office on any Working day during working hours.

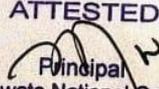
MSEDCL shall have the right to disconnect the Roof-top Solar PV System from its Network at any time in the event of any threat of accident or damage from such System to its distribution system so as to avoid any accident or damage to it. However, the Eligible Consumer may use his Roof-top Solar PV System in islanding mode for his own Consumption.

Thanking you,

Yours faithfully,

  
Executive Engineer  
CNDN, MSEDCL, Nagpur

C.s.w.r.to:- The Superintending Engineer (NUC), MSEDCL, Nagpur for Information  
Copy to: 1) The Exe Engineer Testing Dn. (U) MSEDCL, Nagpur for Information  
2) The Addl. Exe. Engineer, Regent S/Dn., MSEDCL, Nagpur for information.

ATTESTED  
  
Principal  
Dhanwate National College  
Nagpur

2. The approved time schedule for project completion is as per following table from the date of sanction.

Sr. No.	Capacity Sanction in kWp	Time Duration for completion of project
1	1 to 50	45 Days
2	Above 50 to 100	90 Days
3	Above 100 to 500	120 Days

- MEDA empanelled channel partner has to submit the project completion report within time, failing to which the in-principle sanction letter given to this project stands cancelled.
- MEDA empanelled channel partner has to follow all the guidelines and technical standards of given in the website for grid connected rooftop solar.
- MEDA empanelled channel partner will give undertaking for 5 years CMC of the project.
- Concerned MEDA Divisional Office will inspect the system after receipt of installation of system by MEDA empanelled channel partner.
- MEDA will release the CFA that is Rs.18,300/- per kWp on the basis of L1 rate Rs:61,000/- per kWp (30% of L1 rate) or 30% of the project cost whichever is less.
- Capacity of inverter must be same as per the capacity of solar power plant. The inverter must be as per IEC standard and system must be installed as per MNRE specifications only.

Sd/-

I/c. General Manager (RE)

- CC: - 1) Divisional General Manager  
2) Concerned Beneficiaries

Sr. No. 191, Phase II, MHADA Commercial Complex, 2nd floor, Opp. Tidal Vagad, Yerwade, Pune - 411 006.  
Tel No. 020-26614393, 26614403, Fax No. 020-26615031, E-mail: meda@mahaurja.com, Web-site: http://www.mahaurja.com

ATTESTED  
Principal  
Dhanwate National College  
Nagpur

GCRT/2017/CR-1-B/Solar/1667

19<sup>th</sup> April, 2017

To  
M/s. Business Algorithms P Ltd.,  
39 Shankar Nagar, Nagpur-440010

Subject: - In-principle sanction for installation of Grid Connected Rooftop Projects  
in the State of Maharashtra.

Ref: - 1) MNRE 100MW sanction letter no. 03/106/2015/GCRT dated 26/04/2016  
2) EoI no.GCRT/CFA/2016-17/01

Dear Sir,

In accordance with Ministry of New and Renewable Energy sanction no. 03/106/2015/GCRT dated 26<sup>th</sup> April 2016 on the scheme of 100 MW Grid Connected Rooftop Projects in the state of Maharashtra and with above reference to proposal of MEDA empanelled channel partner, I am directed to convey the in-principle sanction for capacity of 40.96 kWp to the above mentioned MEDA empanelled channel partner for installing Grid Connected Rooftop System.

1. The details of the which is given as follows:-

Sr. No.	Name of Beneficiaries	Category of Beneficiary	Capacity Sanction in kWp	Eligible/Sanction CFA (Rs.)*
1	Dhansvate National College Congress Nagar Humpyard Road Nagpur	Institutional	40.96	7,49,565/-
Total :-				7,49,565/-

\*This sanction capacity eligible CFA is of 'tentative in nature' based on the information submitted by M/s. Business Algorithms P Ltd. Actual sanction capacity of project & eligible CFA will be finalized after Joint inspection of the system and actual work done. Also please note that if net meter is installed before the In-Principle sanction as per utility record, then the In-Principle sanction released by MEDA automatically stands cancelled.

ATTESTED

  
Principal  
Dhanvate National College  
Nagpur

यूनियन बैंक  
A/c Payee



Union Bank  
of India

आगाखान पैलेस पुणे शाखा, पुणे - 411 006  
Agakhan Palace Pune Branch, Pune, Pin - 411 006.  
IFS Code : UBIN0546771

Valid for 3 months from the date of issue

दिनांक  
Date

0 6 0 7 2 0 1 7  
D D M M Y Y Y Y

Pay Dhanavate National College, Nagpur

या धारक को Or Bearer

रुपये Rupees Five Lakh Eighty Five Thousand Six Hundred Only

अदा करें। ₹ \*\*5,85,600.00

आका नं.  
A/c No. 467702170008641

चेक नं.  
Cheque No. 33149732

MAHARASHTRA ENERGY DEVELOPMENT AGENCY

Please sign above

भारत की हमारी सभी शाखाओं में समतुल्य पर देय  
PAYABLE AT PAR AT ALL OUR BRANCHES IN INDIA

ATTESTED

Principal  
Dhanavate National College  
Nagpur

⑈ 149732⑈ 411026013⑈ 467733⑈ 31

**Sensor Based Energy Conservation**  
**Our Institute has Established Water Pump Automatic Sensor**



नागपुर, महाराष्ट्र, भारत  
43HJ+PGH, धन्तोली, नागपुर, महाराष्ट्र 440012, भारत  
Lat 21.129091°  
Long 79.081149°  
20/03/22 10:35 AM

GPS Map Camera

## Our Institute has Established Sensor Based Bell Alarm System

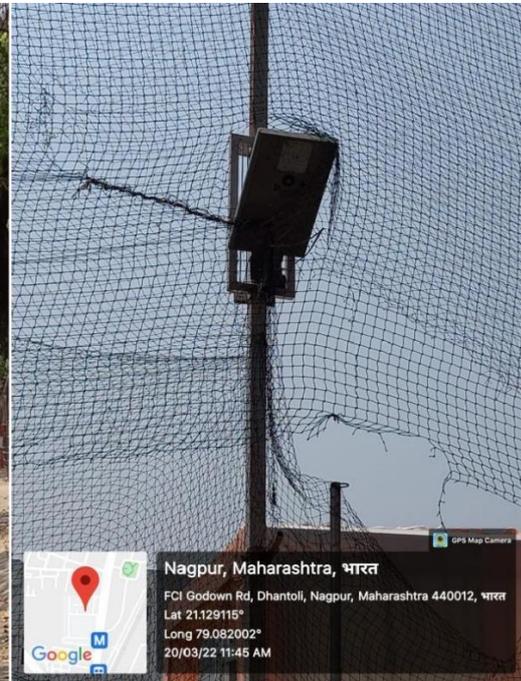


**Nagpur, Maharashtra, India**  
Safal hospital, opp. Dhanwate National College, Dhantoli,  
Nagpur, Maharashtra 440012, India  
Lat 21.129214°  
Long 79.082191°  
19/03/22 11:18 AM



**Nagpur, Maharashtra, India**  
Safal hospital, opp. Dhanwate National College, Dhantoli,  
Nagpur, Maharashtra 440012, India  
Lat 21.129233°  
Long 79.082174°  
19/03/22 11:18 AM

## Our Institute has Established Street Lights in the Campus



## Use of LED Bulbs



Dr.K.D.Meghe  
IQAC, Coordinator

Dr.O.S.Deshmukh  
Principal  
Dhanwate National College, Nagpur

