

Manipal University Jaipur's Climate Action Plan: Engaging Local Government and Community for a Sustainable Future

Manipal University Jaipur (MUJ) has developed a comprehensive Climate Action Plan that outlines its commitment to addressing the pressing challenges of climate change. Recognizing the critical need for collaboration, MUJ has shared its Climate Action Plan with local government authorities and community groups, emphasizing the importance of joint action to combat climate risks, promote sustainability, and build resilience within the region. This plan serves as a roadmap for both the university and the local community to reduce their carbon footprint, enhance environmental awareness, and implement effective climate mitigation and adaptation strategies.

MUJ's Climate Action Plan sets ambitious goals to significantly reduce the university's greenhouse gas emissions and achieve carbon neutrality in the coming years. The plan includes strategies to increase energy efficiency on campus, transition to renewable energy sources, and promote sustainable transportation options. By doing so, the university aims to lead by example and inspire local organizations to adopt similar practices. One of the core pillars of the Climate Action Plan is the development of sustainable infrastructure on campus. MUJ has committed to expanding its use of solar energy, enhancing water conservation systems, and ensuring that all future buildings adhere to green building standards. The plan highlights the university's investment in renewable energy technologies, such as solar panels and energy-efficient lighting, which will help reduce the dependency on non-renewable energy and minimize the overall carbon footprint. MUJ's climate action plan focuses on mitigation and on adaptation to the changing climate. The plan outlines steps to strengthen the university's resilience to climate-induced risks such as extreme weather events, droughts, and water shortages. MUJ is creating a campus that can adapt to future climate challenges while providing a model for the local community, by enhancing green spaces, promoting biodiversity, and implementing rainwater harvesting systems. Education is a key component of MUJ's Climate Action Plan. The university is committed to integrating climate change education into its curriculum and raising awareness among students, staff, and the local community. Workshops, campaigns, and collaborative projects will help build a deeper understanding of climate change, its impacts, and the importance of sustainable practices.

MUJ has actively engaged with local government bodies to align its Climate Action Plan with regional sustainability goals. The university collaborates with local authorities on policies related to environmental protection, waste management, water conservation, and disaster preparedness. This partnership ensures that MUJ's climate actions are in harmony with broader municipal plans and helps local governments implement sustainable practices in other sectors. MUJ's Climate Action Plan places a strong emphasis on community involvement. The university has shared its strategies with local community groups, NGOs, and environmental organizations to foster collective action against climate change. Community-based campaigns on waste reduction, energy conservation, and sustainable farming practices are part of this effort. By sharing resources and knowledge, MUJ aims to empower local communities to adopt sustainable



solutions that can mitigate the effects of climate change. MUJ regularly hosts public forums, workshops, and events that bring together government officials, community leaders, and environmental experts to discuss climate-related issues and solutions. These platforms encourage dialogue, promote knowledge sharing, and facilitate collaboration on projects such as tree-planting drives, clean energy initiatives, and climate-resilient infrastructure development in the local region.

The shared knowledge and resources enable local communities to better understand the risks posed by climate change and adopt practices that reduce environmental impact. MUJ's leadership in climate action provides a blueprint for other institutions, businesses, and individuals to follow, fostering a culture of sustainability throughout the region. The Climate Action Plan developed by Manipal University Jaipur represents a significant step toward a more sustainable and climate-resilient future. By sharing this plan with local government and community groups, MUJ demonstrates its commitment to fostering collaboration and building a unified response to climate challenges.



MANIPAL UNIVERSITY
JAIPUR

MUJ/Q&C/DSW/SC/1.01



MANIPAL UNIVERSITY
JAIPUR

DIRECTORATE OF STUDENT'S WELFARE

(SOCIETY CONNECT)

And

Faculty of Science

Department of Chemistry

Presents

Plantation Drive

OCTOBER 26, 2023

Venue : Dabar Ki Dhani

1. Introduction of the Event

School of Basic science in collaboration with Directorate of Student Welfare, NCC, NSS organized a “Plantation Drive” on October 26, 2023. The societal connect outreach activity on by planting the small plants. Program is organized by the Department of Chemistry in collaboration with Department of Student welfare (DSW) under the guidance of Mr. Hemant Kumar (Assistant Director, DSW), Dr. Rahul Shrivastava (Head, Department of Chemistry) and Dr Meenakshi Pilonia (Departmental coordinator, DSW). The mention activity held at a Government School, Dabar ki Dhani, near Manipal University Jaipur on Thursday, 26th October 2023.

2. Objective of the Event

The focal point of this event was to spread awareness among school students with respect to their environment and also motivate the students towards to work their endeavors via the power of knowledge and education.

3. Beneficiaries of the Event

Through this initiative, students and villagers had better communication and understanding of the situation.

4. Details of the Guests

The event was laid by the students of BBA, BBA(BA), IMBA

Rotary Club Jaipur Bapu Nagar

Rotary started with the vision of one man — Paul Harris. The Chicago attorney formed the Rotary Club of Chicago on 23 February 1905, so professionals with diverse backgrounds could exchange ideas and form meaningful, lifelong friendships.

Over time, Rotary’s reach and vision gradually extended to humanitarian service. Members have a long track record of addressing challenges in their communities and around the world.

Rotary is a global network of 1.4 million neighbors, friends, leaders, and problem-solvers who see a world where people unite and take action to create lasting change – across the globe, in our communities, and in ourselves. They provide service to others, promote integrity, and advance world understanding, goodwill, and peace through our fellowship of business, professional, and community leaders. We collaborate with community leaders who want to get to work on projects that have a real, lasting impact on people’s lives. We connect passionate people with diverse perspectives to exchange

ideas, forge lifelong friendships, and, above all, take action to change the world.

5. Brief Description of the event

The Department of Chemistry organized a societal connect outreach activity on Plantation in collaboration with the Department of Student Welfare (DSW) under the supervision of Mr. Hemant Kumar (Assistant Director, DSW), Dr. Rahul Shrivastava (Head, Department of Chemistry) and Dr. Meenakshi Pilia (Departmental coordinator, DSW). The mentioned activity was held at a Govt. school, Dabar ki Dhani, near Manipal University Jaipur on Thursday, 26th October 2023.

6. Photographs



Image 1 : Students with faculty at School for the Career Awareness



Image 2: Students of school during the plantation drive



Image 3: Team of MUJ Students at DABAR ki Dani School

7. Brochure or creative of the event



8. Schedule of the Event

The event took place on October 26, 2023

9. Attendance of the Event (50)

S. No.	Name	Registration No	Name of Institution
1	Rakshanda Singhal	211051012	Manipal University Jaipur
2	Vartika Vaishya	211051015	Manipal University Jaipur
3	Shakir Sisodia	201022604	Manipal University Jaipur
4	Govind Gupta	170703601	Manipal University Jaipur
5	Kanika Taneja	211004002	Manipal University Jaipur
6	Avani Kothari	221004004	Manipal University Jaipur
7	Pranjalee Ghosh	221004002	Manipal University Jaipur
8	Kishika Arora	221004003	Manipal University Jaipur
9	Aman Kumar	221004001	Manipal University Jaipur

10	Khushi Verma	211004006	Manipal University Jaipur
11	Karunya Papney	211004004	Manipal University Jaipur
12	Ankita Kumawat	211004003	Manipal University Jaipur
13	Supriyo	23FS20MCH00004	Manipal University Jaipur
14	Anjali Yadav	23FS20MCH00001	Manipal University Jaipur
15	Divya Sharma	23FS20MCH00003	Manipal University Jaipur
16	Vaibhav Anand	221013001	Manipal University Jaipur
17	Dipesh Gehlot	221013002	Manipal University Jaipur
18	Suman Yadav	221013003	Manipal University Jaipur
19	Ashish Sharma	221013004	Manipal University Jaipur
20	Ishan Jain	229310159	Manipal University Jaipur
21	Ishika Jain	229310410	Manipal University Jaipur
22	Aditi Singh Parihar	219311171	Manipal University Jaipur
23	Utkarsh Shukla	229301763	Manipal University Jaipur
24	Vedika	221007014	Manipal University Jaipur
25	Honey Trivedi	229302207	Manipal University Jaipur
26	Shaurya Nandwani	229301726	Manipal University Jaipur
27	Shreyas Bhati	229301374	Manipal University Jaipur
28	Aditya Mishra	229310237	Manipal University Jaipur
29	Aaryan kale	229303031	Manipal University Jaipur
30	Mustansir kanchwala	220903021	Manipal University Jaipur
31	Sahil Kalra	229303321	Manipal University Jaipur
32	Krishang Goel	229309035	Manipal University Jaipur
33	Anand Mandlik	229310162	Manipal University Jaipur
34	Aryan Sachdeva	229301438	Manipal University Jaipur
35	Ansh manawat	229301712	Manipal University Jaipur
36	Utkarsh Jha	220901009	Manipal University Jaipur
37	ria chauhan	229301253	Manipal University Jaipur
38	Ishita Sharma	229303237	Manipal University Jaipur
39	Ajinkya wagh	229310003	Manipal University Jaipur
40	Kritika Pahuja	229310048	Manipal University Jaipur
41	Ishan Aaditya	229303314	Manipal University Jaipur
42	Jiya Thakur	229309176	Manipal University Jaipur
43	Utsav Acharjya	229301358	Manipal University Jaipur
44	Kanishka Chaudhary	229202010	Manipal University Jaipur
45	Sameeksha	229310311	Manipal University Jaipur
46	Taarush Kathuria	229301462	Manipal University Jaipur
47	Ankit Kumar Tiwari	229309098	Manipal University Jaipur
48	Hanis Gori	229310131	Manipal University Jaipur
49	Aditya Prakash Sinha	229310189	Manipal University Jaipur
50	Lakshita Agrawal	229301455	Manipal University Jaipur



A handwritten signature in black ink, appearing to read 'Hemant Kumar'.

(Hemant Kumar)
Assistant Director, Society Connect
Directorate of Student's Welfare

A handwritten signature in black ink, appearing to read 'Prof. AD Vyas'.

(Prof. AD Vyas)
Director, Directorate of Student's Welfare

DIRECTOR STUDENT WELFARE & PROCTOR
MANIPAL UNIVERSITY, JAIPUR



MANIPAL UNIVERSITY
JAIPUR

FACULTY OF ARTS

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF ARTS

Tree plantation Drive

Social outreach event in collaboration with DSW and NCC

06/09/2023



1. Introduction of the Event
2. Objective of the Event
3. Beneficiaries of the Event
4. Details of the Guests
5. Brief Description of the event
6. Geo-tagged Photographs
7. Brochure or creative of the event
8. Schedule of the Event
9. Attendance of the Event
10. News Publication
11. Feedback of the Event
12. Link of MUJ website



1. Introduction of the Event

The Department of Arts in collaboration with the DSW (NCC and NSS) organized a tree plantation drive with a number of BA(Liberal Arts) students.

2. Objective of the Event (bullet points or about 50 words)

To make the students aware of the importance of tree plantation.

3. Beneficiaries of the Event

Government school, Begas, an adopted school of MUJ

4. Brief Description of the event

The Department of Arts in collaboration with the DSW (NCC and NSS) organized a tree plantation drive with a number of BA(Liberal Arts) students. The objective of the event was to make the students aware of the importance of tree plantation.

5. Photographs



Students engaged in a tree plantation drive in the government school, Begas



MUJ students with the government school students



MUJ department students during the plantation drive

6. Brochure or creative of the event (insert in the document only)

8x4.5 feet



7. Schedule of the event (insert in the report)

6th September, 11:00 a.m. to 12:00 p.m.

8. Attendance of the Event (insert in the document only)

Total attendee-16

Sr. No	Name of Institution	Place of Institution	Name of Attendee	Name of Dept
1.	MUJ	Jaipur	Chandravardhan	Arts
2.	MUJ	Jaipur	Kumesh Mishra	Arts
3.	MUJ	Jaipur	Soumya Pareek Dhanushree	Arts
4.	MUJ	Jaipur		Arts
5.	MUJ	Jaipur	Karan Mallick	Arts
6.	MUJ	Jaipur	Vanshika Agarwal	Arts
7.	MUJ	Jaipur	Prithviraj	Arts
8.	MUJ	Jaipur	Akshatt Singh	Arts
9.	MUJ	Jaipur	Dhruv Nair	Arts
10.	MUJ	Jaipur	Krishna	Arts
11.	MUJ	Jaipur	Gaury	Arts
12.	MUJ	Jaipur	Sudeepti Dhruv Dahiya	Arts
13.	MUJ	Jaipur	Aditi Panigrahi	Arts
14.	MUJ	Jaipur	Aradhya Khandelwal	Arts
15.	MUJ	Jaipur	Komal Chadha	Arts
16.	MUJ	Jaipur	Kkritika Khandelwal Pragya Sharma	Arts
17.	MUJ	Jaipur	Prachi Randhawa	Arts
18.	MUJ	Jaipur	Gurmehr Singh	Arts
19.	MUJ	Jaipur	Himmat di Charan	Arts
20.	MUJ	Jaipur	Sameer Khan	Arts
21.	MUJ	Jaipur	Ananya Thakur	Arts
22.	MUJ	Jaipur	Harshita Das	Arts
23.	MUJ	Jaipur	Manan Sharma	Arts



24.	MUJ	Jaipur	Surendra Singh	Arts
25.	MUJ	Jaipur	Joy Tak	Arts
26.	MUJ	Jaipur	Soumya harma	Arts
27.	MUJ	Jaipur	Deepak	Arts
28.	MUJ	Jaipur	Anup Choudhary	Arts
29.	MUJ	Jaipur	Prithviraj Hada	Arts
30.	MUJ	Jaipur	Tanisha Vashisht	Arts



9. Link of MUJ website stating the event is uploaded on website

<https://jaipur.manipal.edu/muj/news-events/events-list.html>

**Dr. Mani Sachdev
Head, Department of Arts
Manipal University Jaipur**

15.9.23

Seal and Signature of HOD



**MANIPAL UNIVERSITY
JAIPUR**

Faculty of Management and Commerce

Department of Business Administration

Societal Connect Activity on

Bird Nest Installation

NOVEMBER 30, 2023



**Head
Department of Business Administration
Manipal University Jaipur**

1. Introduction of the Event

Introduction of the Event: School of Business and Commerce organized a activity to install bird nests in the nearby village on November 30, 2023. 5 students and 1 faculty member participated in the campaign. The event took place in nearby village of Manipal university.

2. Objective of the Event

The primary objective of the event was to promote environmental awareness and conservation by actively contributing to the well-being of local bird populations. Through the installation of bird nests, the aim was to create a sustainable habitat for birds in the nearby village, fostering biodiversity and ecological balance.

3. Beneficiaries of the Event

The beneficiaries of the event included the local bird species in the nearby village. By providing suitable nesting spaces, the initiative sought to enhance the living conditions for birds, contributing to the overall ecosystem health. Additionally, the participating students gained hands-on experience in environmental stewardship.

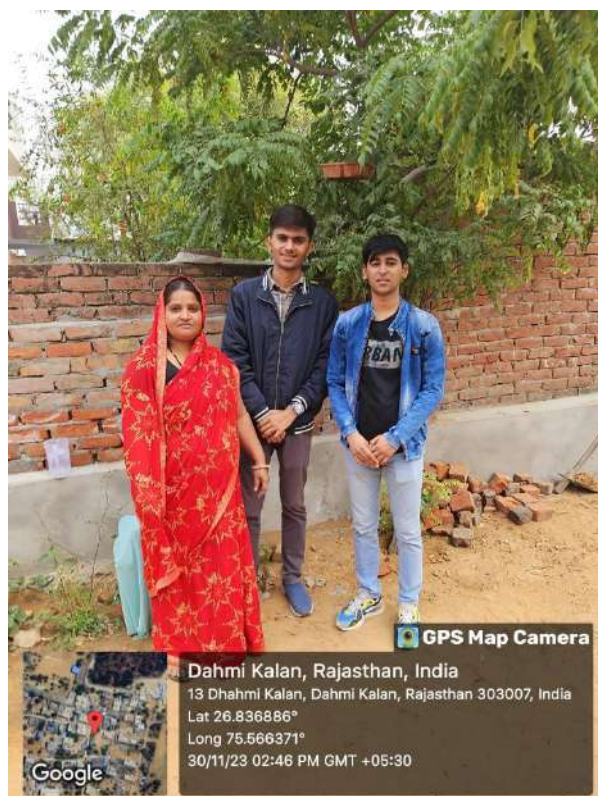
4. Details of the Guests

The event was laid by the students of BBA.


5. Brief Description of the event

The activity involved the installation of bird nests in the nearby village of Manipal University, with students and faculty members actively engaging in the process. Participants worked together to strategically place the nests, considering the local ecology and the needs of various bird species. The event not only contributed to the local environment but also provided a unique learning experience for the students, emphasizing the importance of hands-on conservation efforts. Overall, the initiative aimed to create a positive impact on the local ecosystem while instilling a sense of environmental responsibility among the participants.

6. Photographs





 **GPS Map Camera**

Dahmi Kalan, Rajasthan, India
13 Dhahmi Kalan, Dahmi Kalan, Rajasthan 303007, India
Lat 26.836886°
Long 75.566371°
30/11/23 02:45 PM GMT +05:30





 **GPS Map Camera**

Dahmi Kalan, Rajasthan, India

13 Dhahmi Kalan, Dahmi Kalan, Rajasthan 303007, India

Lat 26.836957°

Long 75.56603°

30/11/23 02:44 PM GMT +05:30



Google



 **GPS Map Camera**

Dahmi Kalan, Rajasthan, India
13 Dhahmi Kalan, Dahmi Kalan, Rajasthan 303007, India
Lat 26.836995°
Long 75.566008°
30/11/23 02:41 PM GMT +05:30





 **GPS Map Camera**

Dahmi Kalan, Rajasthan, India

13 Dhahmi Kalan, Dahmi Kalan, Rajasthan 303007, India


Lat 26.837003°

Long 75.566019°

30/11/23 02:40 PM GMT +05:30





 **GPS Map Camera**

Dahmi Kalan, Rajasthan, India
13 Dhahmi Kalan, Dahmi Kalan, Rajasthan 303007, India
Lat 26.837006°
Long 75.566008°
30/11/23 02:39 PM GMT +05:30






 **GPS Map Camera**

Dahmi Kalan, Rajasthan, India
Unnamed Road, Dahmi Kalan, Rajasthan 303007, India
Lat 26.836785°
Long 75.565537°
30/11/23 02:35 PM GMT +05:30





 **GPS Map Camera**

Dahmi Kalan, Rajasthan, India

Unnamed Road, Dahmi Kalan, Rajasthan 303007, India


Lat 26.836798°

Long 75.565526°

30/11/23 02:34 PM GMT +05:30






 **GPS Map Camera**

Dahmi Kalan, Rajasthan, India
RHP8+X24, Dahmi Kalan, Rajasthan 303007, India
Lat 26.836853°
Long 75.565522°
30/11/23 02:33 PM GMT +05:30





 **GPS Map Camera**



Dahmi Kalan, Rajasthan, India

RHP8+X24, Dahmi Kalan, Rajasthan 303007, India

Lat 26.837056°

Long 75.565398°

30/11/23 02:31 PM GMT +05:30

7. Brochure or creative of the event

MANIPAL UNIVERSITY JAIPUR
(University under Section 2(f) of the UGC Act)

Department of Business Administration in Collaboration with Directorate of Student Welfare and Directorate of Sports, NCC and NSS

Societal Connect Activity

on

Bird Nest Installation

Date: November 30th, 2023

Convenors
Dr. Nupur Ojha, Dr Mahesh Jampala, Dr Rishi Vaidya and Mr Aditya
Department of Business Administration, Manipal University Jaipur

8. Schedule of the Event

The event took place on November 30, 2023

9. Attendance of the Event

Sr. No	Name of Institution	Registration Number/ Employee Code	Attendee Name
1	Manipal University Jaipur	MUJ0099	Dr. Mahesh Jampala
2	Manipal University Jaipur	MUJ1538	Dr Rishi Vaidya
3	Manipal University Jaipur	MUJ0623	Dr. Nupur Ojha
4	Manipal University Jaipur	MUJ1490	Mr. Aditya Dhiman
5	Manipal University Jaipur	23FM10BBA00204	DINESH CHOUDHARY
6	Manipal University Jaipur	23FM10BBA00200	VANSH MULCHANDANI
7	Manipal University Jaipur	23FM10BBA00214	GOPAL BISHNOI
8	Manipal University Jaipur	23FM10BBA00215	AKSHAT SHARMA
9	Manipal University Jaipur	23FM10BBA00216	KHUSHWANT SANKHLA
10	Manipal University Jaipur	23FM10BBA00205	AYUSHMAN GUPTA


Head
Department of Business Administration
Manipal University Jaipur



MANIPAL UNIVERSITY
JAIPUR

FACULTY OF ARTS

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

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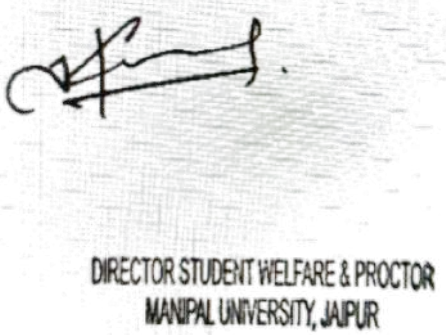
<https://jaipur.manipal.edu/muj/news-events/events-list.html>



Dr. Mani Sachdev
Head, Department of Arts
Manipal University Jaipur

15.9.23

Seal and Signature of HOD



DIRECTOR STUDENT WELFARE & PROCTOR
MANIPAL UNIVERSITY, JAIPUR



(Prof. AD Vyas)

Director, Directorate of Student's Welfare



GOVERNMENT OF INDIA
Ministry of Science & Technology
Department of Science & Technology
DST/TMD-EWO/WTI/2K19/EWFH/2019/102 (G)/2
Terms & Conditions

1. The grantee organization will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report (Vis-a-Vis Target Vs-Achievement) at the end of each financial year duly reflecting the interest earned / accrued on the grant received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.
2. The grantee organization will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final installment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.
3. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.
4. The grant-in-aid being released is subject to the condition that:-
 - a) A transparent procurement procedure in line with Provisions of General Financial Rules 2017 will be followed by the Institute/Organization under the appropriate rules of grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant.
 - b) While submitting Utilization Certificate/Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard of the purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.
5. As per the GFR 2017 Rule 230 (8) the Grantee Institute should ensure that all the interests or other earnings against Grant-in-Aid or advances (other than reimbursement) released to any Grantee institution should be mandatorily remitted to the Consolidated Fund of India immediately after finalization of the accounts. Such advances will not be allowed to be adjusted against future releases.
6. As per the GFR 2017 Rule 230 (17) "the Grantee Institute should agree to make reservations for Scheduled Castes and Scheduled Tribes or OBC in the posts or services under its control on the lines indicated by the Government of India"
7. The grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. For Grants released during F.Y. 2017-18 and onwards, all interests and other earnings against released Grant shall be remitted to Consolidated Fund of India (through Non-Tax Receipt Portal (NTRP), i.e. www.bharatkosh.gov.in), immediately after finalization of accounts, as it shall not be adjusted towards future release of Grant. A certificate to this effect shall have to be submitted along with Statement of Expenditure/ Utilization Certificate for considering subsequent release of Grant/ Closure of Project accounts.
8. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.
9. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial

Rules 2017.

10. Due acknowledgement of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publication / media release as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.

11. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.

12. It is mandatory to use EAT module in PFMS, failing which no further funds shall be released.

13. Goods (Consumable/Equipment) available in GeM portal are to be procured mandatorily online through GeM only as per the provisions of Rule 149 of GFR.

14. The Grantee Institute should follow Global Tendering Enquiry (GTE) conditions as per Department of Expenditure ID Note No:4/1/2021-PPD dated 10.09.2021.

15. If One time assistance or non-recurring grant as Grant-in-Aid for Rs. 10.00 lakhs to Rs. 50.00 lakhs, it should be included in the Annual Report of the Institute.

16. The Grantee Institute must ensure any other provisions of GFR-2017 and guidelines/amendments issued from Govt. of India from time to time.





भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
विज्ञान और प्रौद्योगिकी विभाग

DST/TMD-EWO/WTI/2K19/EWFH/2019/102 (G)/2

निबंधन और शर्तें

1. अनुदानग्राही संस्थान प्रत्येक वित्त वर्ष के अंत में इस परियोजना के अंतर्गत प्राप्त अनुदान पर अर्जित/प्रोद्भूत ब्याज को विधिवत रूप से दर्शाते हुए अद्यतन प्रगति रिपोर्ट (लक्ष्य बनाम उपलब्धि) के साथ जीएफ़आर 2017 में विनिर्दिष्ट प्ररूप में वित्तीय वर्ष-वार उपयोग प्रमाण पत्र (यूसी) और व्यय का लेखापरीक्षित विवरण (एसई) विज्ञान और प्रौद्योगिकी विभाग को प्रस्तुत करेगा। यह परियोजना की समाप्ति की निर्धारित तारीख से एक वर्ष भीतर व्यय का अंतिम विवरण, उपयोग प्रमाण-पत्र और परियोजना समाप्ति रिपोर्ट प्रस्तुत करने की शर्त के भी अध्वधीन है।
2. अनुदानग्राही संस्थान को उपयोग प्रमाण-पत्र इस प्रभाग में भौतिक रूप में भेजने के साथ-साथ पीएफ़एमएस पोर्टल पर प्रविष्ट और अपलोड करना होगा। अनुवर्ती/अंतिम किस्त प्रभाग द्वारा यूसी की स्वीकृति की पुष्टि और पीएफ़एमएस में पूर्ववर्ती उपयोग प्रमाण-पत्र की प्रविष्टि के बाद ही जारी की जाएगी।
3. यदि अनुदान एक ही परियोजना के अंतर्गत उपस्कर (रों) की खरीद के लिए पृथक संस्वीकृति आदेश के माध्यम से पूंजी-शीर्ष के अंतर्गत जारी किया गया है तो जारी किया गया पूंजी-शीर्ष अनुदान के लिए पृथक एसई/यूसी प्रस्तुत करना होगा।
4. जारी किया जा रहा सहायता अनुदान निम्नलिखित शर्तों के अध्वधीन है-
 - क) उपर्युक्त परियोजना के लिए संस्वीकृत पूंजी आस्तियों की खरीद करते समय अनुदानग्राही संस्थान के उचित नियमों के तहत संस्थान/संगठन द्वारा सामान्य वित्तीय नियमावली 2017 के उपबंधों के अनुरूप पारदर्शी खरीद प्रक्रिया का अनुपालन किया जाए और अनुदान प्राप्ति पर तुरंत प्रभाव से अनुदानग्राही संगठन द्वारा इस आशय का प्रमाण-पत्र प्रस्तुत किया जाए।
 - ख) उपयोग प्रमाण-पत्र/ व्यय विवरण प्रस्तुत करते समय, संगठन को जीएफ़आर 2017 के उपबंधों के अनुसरण में उपस्कर/पूंजी आस्तियों की खरीद के संबंध में संबन्धित दस्तावेज़-साक्ष्य प्रस्तुत करना सुनिश्चित करना होता है।
5. जीएफ़आर नियमावली 2017 के नियम 230 (8) के अनुसार अनुदानग्राही संस्थान को सुनिश्चित करना चाहिए कि किसी भी अनुदानग्राही संस्थान को जारी किए गए सहायता अनुदान या अग्रिम (प्रतिपूर्ति से भिन्न) पर प्राप्त समस्त प्रकार के ब्याज या अन्य आय को लेखों को अंतिम रूप दिए जाने के तुरंत बाद भारतीय समेकित निधि में अनिवार्य रूप से विप्रेषित किया जाए। ऐसे अग्रिमों को भविष्य में जारी की जाने वाली निधियों में समायोजित करने की अनुमति नहीं दी जाएगी।
6. जीएफ़आर नियमावली 2017 के नियम 230 (17) के अनुसार, "अनुदानग्राही संस्थान को भारत सरकार के निर्देशानुसार अपने नियंत्रणाधीन पदों या सेवाओं में अनुसूचित जाति या अनुसूचित जनजाति या ओबीसी के लिए आरक्षण रखने पर सहमत होना चाहिए।"
7. अनुदानग्राही संस्थान परियोजना का पृथक परीक्षित लेखा रखेगा और अनुदान की समस्त राशि बैंक खाते में सब्याज रखी जाएगी। वित्तीय वर्ष 2017-18 के दौरान और उसके बाद जारी अनुदान के लिए, अनुदान के लिए सभी प्रकार के ब्याज या अन्य आय ऐसे लेखों को अंतिम रूप दिए जाने के तुरंत बाद भारतीय समेकित निधि में

(गैर कर प्राप्ति पोर्टल (एनटीआरपी) अर्थात् www.bharatkosh.gov.in के माध्यम से) विप्रेषित की जाएगी, क्योंकि यह राशि भविष्य में जारी की जाने वाली राशि में समायोजित नहीं की जाएगी। अनुवर्ती अनुदान के निर्गम/परियोजना खाते को बंद करने पर विचार किए जाने के लिए, व्यय विवरण/ उपयोग प्रमाण-पत्र के साथ इस आशय का प्रमाण पत्र प्रस्तुत करना होगा।

8. डीएसटी, अनुदान से सृजित परिसंपत्तियों पर एकमात्र सुरक्षित अधिकार रखता है। सरकारी अनुदानों से पूरी तरह से या पर्याप्त रूप से अर्जित संपत्ति (जीएफआर 2017 में निर्धारित प्रक्रिया के अनुसार अप्रचलित और अनुप्रयोज्य, अनुपयोगी घोषित अनुदानों से इतर), का निपटारा डीएसटी का पूर्व अनुमोदन प्राप्त किए बिना नहीं किया जाएगा।

9. जैसा कि सामान्य वित्तीय नियमावली 2017 के नियम 236 (1) के तहत निर्धारित किया गया है, अनुदानग्राही संगठन का लेखा स्वीकृति प्रदाता प्राधिकारी और लेखा परीक्षक (भारत के नियंत्रक एवं महालेखापरीक्षक और डीएसटी के प्रधान लेखा कार्यालय दोनों द्वारा आंतरिक लेखा परीक्षा) द्वारा निरीक्षण किए जाने, जब भी संगठन को ऐसा करने के लिए कहा जाता है, हेतु अभिगम्य होगा।

10. इस परियोजना अनुदान से प्राप्त तकनीकी सहायता/वित्तीय सहायता की उचित पावती को अनुदानग्राही संगठन द्वारा सभी प्रकाशनों/मिडिया प्रकाशनी में मोटे अक्षरों में और परियोजना के पूरा होने के दौरान और तदुपरांत उनकी वार्षिक रिपोर्टों के शुरुआती पैराग्राफों में अनिवार्य रूप से दिखाया किया जाना चाहिए।

11. बॉन्ड के नियमों और शर्तों का पालन करने में असफल होने पर जीएफआर 2017 के नियम 231 (2) के अनुसार पूरी राशि सब्याज वापस करनी होगी।

12. पीएफएमएस में ईएटी मॉड्यूल का उपयोग करना अनिवार्य है, ऐसा न करने पर अन्य कोई भी आगामी निधि जारी नहीं की जाएगी।

13. जीएफआर के नियम 149 के उपबंधों के अनुसार जीईएम पोर्टल पर उपलब्ध वस्तुओं (उपभोज्य वस्तु / उपस्कर) का अनिवार्यतया आर्न लाइन प्रापण जैम (जीईएम) ही के माध्यम से किया जाना है।

14. अनुदान ग्राही संस्थान को व्यय विभाग के आईडी नोट संख्या: 4/1/2021-पीपीडी दिनांक 10.09.2021 के अनुसार वैश्विक निविदाकरण जांच-पड़ताल (जीटीई) नियमों का पालन करना चाहिए।

15. यदि एकबारगी सहायता या गैर-आवर्ती अनुदान 10.00 लाख रुपये से 50.00 लाख रुपये के सहायता अनुदान का हो तो इसे संस्थान की वार्षिक रिपोर्ट में दर्ज किया जाना चाहिए।

16. अनुदान ग्राही संस्थान को जीएफआर-2017 के किसी भी अन्य उपबंध और समय-समय पर भारत सरकार द्वारा जारी दिशा-निर्देश/संशोधन का अनुपालन सुनिश्चित करना चाहिए।



GOVERNMENT OF INDIA
Ministry of Science & Technology
Department of Science & Technology
DST/TMD/EWO/WTI/DM/2021/20 (G)
(Technology Mission Division)

Technology Bhawan, New Delhi
Dated: 23/02/2023

Sanction Order

Subject: Financial assistance for the project entitled "Providing low cost solution and appropriate management framework for the reject disposal of Community-based RO Plants in many areas of Rajasthan" submitted by Dr. Monika Sogani, MANIPAL UNIVERSITY JAIPUR, DEHMI KALAN, OFF JAIPUR-AJMER EXPRESSWAY, BAGRU-JAIPUR, 303007
Release of the first installment regarding

Sanction of the President is hereby accorded to the approval to the above mention project at a total cost of Rs. 82,48,118/- (Rupees Eighty Two Lakh Forty Eight Thousand One Hundred Eighteen only) for a duration of 3 Years Days. The detailed breakup of the grant for General as well as Capital Components are given below:-

General Component : ₹ 73,58,118/-
Capital Component : ₹ 8,90,000/-

Items	(All Institute) Budget Summary (in Rs.)			Total
	Year-1	Year-2	Year-3	
I- Non-Recurring				80000
Electronic TDS Meter-1 Unit - 1	80000	0	0	80000
Dissolved Oxygen Meter-1Unit - 1	250000	0	0	250000
Chlorophyll Meter-1Unit - 1	300000	0	0	300000
Magnetic stirrer (10 plate)- 1 Unit - 1	100000	0	0	100000
Laptop-1 Unit - 1	60000	0	0	60000
Water analyser-1 Unit - 1	100000	0	0	100000
Subtotal (Capital)	890000	0	0	890000
2- Recurring				3370080
Project Staff	1104480	1104480	1161120	3370080
Junior Research Fellow (JRF)-1 ((@ 31,000/- + 18% HRA (For 1st & 2nd Year & SRF 35,000/- + 18% HRA for 3rd year)	438960	438960	495600	1373520
Research Associate-II-1 ((@ 47000/-+ 18% HRA for full three years))	665520	665520	665520	1996560
Consumables	200000	125000	50000	375000
Contingency	150000	100000	50000	300000
Travel	250000	175000	150000	575000
Overhead	248669	198669	190700	638038
Other Cost-(fabrication of Lab Scale CW-MDC Unit and its Operation, fabrication of Culture Cabinet, Designing and Construction of Pilot Scale CW-MDC unit of Cement Concrete, Operation & maintenance and various testing cost of Pilot Scale CW-MDC unit, Outsourcing and Stakeholders workshop organization for dissemination of key findings and knowledge generated)	500000	600000	600000	1700000
Other Cost-(Membrane development for CW- MDC using agro based material,	400000	0	0	400000

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55

Development of agro based PNSB absorbent, Outsourcing)				
Subtotal (General)	2853149	2303149	2201820	7358118
Total Project Cost (Cap.+ Gen.)	3743149	2303149	2201820	8248118

1 MANIPAL UNIVERSITY JAIPUR (Dr. Monika Sogani)

Items	Budget Summary (in Rs.)			Total
	Year-1	Year-2	Year-3	
1- Non-Recurring				60000
Laptop-1 Unit - 1	60000	0	0	300000
Chlorophyll Meter-1Unit - 1	300000	0	0	250000
Dissolved Oxygen Meter-1Unit - 1	250000	0	0	80000
Electronic TDS Meter-1 Unit - 1	80000	0	0	100000
Magnetic stirrer (10 plate)- 1 Unit - 1	100000	0	0	790000
Subtotal (Capital)	790000	0	0	
2- Recurring				1996560
Project Staff	665520	665520	665520	1996560
Research Associate-II-1((@ 47000/-+ 18% HRA for full three years))	665520	665520	665520	225000
Consumables	100000	75000	50000	150000
Contingency	50000	50000	50000	350000
Travel	150000	100000	100000	442156
Overhead	146552	149052	146552	
Any Other (Other Cost)-(fabrication of Lab Scale CW-MDC Unit and its Operation, fabrication of Culture Cabinet, Designing and Construction of Pilot Scale CW-MDC unit of Cement Concrete, Operation & maintenance and various testing cost of Pilot Scale CW-MDC unit, Outsourcing and Stakeholders workshop organization for dissemination of key findings and knowledge generated)	500000	600000	600000	1700000
Subtotal (General)	1612072	1639572	1612072	4863716
Total Project Cost (Cap.+ Gen.)	2402072	1639572	1612072	5653716

2 UNIVERCITY OF RAJASTHAN (Dr. Placheril John)

Items	Budget Summary (in Rs.)			Total
	Year-1	Year-2	Year-3	
1- Non-Recurring				100000
Water analyser-1 Unit - 1	100000	0	0	100000
Subtotal (Capital)	100000	0	0	
2- Recurring				1373520
Project Staff	438960	438960	495600	1373520
Junior Research Fellow (JRF)-1((@ 31,000/- + 18% HRA (For 1st & 2nd Year & SRF 35,000/- +18% HRA for 3rd year)	438960	438960	495600	100000
Consumables	50000	50000	0	100000
Contingency	50000	50000	25000	125000
Travel	50000	50000	41648	135882
Overhead	47117	47117	562248	1834402
Subtotal (General)	636077	636077	562248	1834402

3 KASHI INSTITUTE OF TECHNOLOGY (Mr. Kumar Sonu)

Items	Budget Summary (in Rs.)			Total
	Year-1	Year-2	Year-3	
1- Non-Recurring				
Subtotal (Capital)	0	0	0	
2- Recurring				
Consumables	50000	0	0	50000
Contingency	50000	0	0	50000
Travel	50000	25000	25000	100000
Overhead	55000	2500	2500	60000
Any Other (Other Cost)-(Membrane development for CW- MDC using agro based material, Development of agro based PNSB absorbent, Outsourcing)	400000	0	0	400000
Subtotal (General)	605000	27500	27500	660000
Total Project Cost (Cap.+ Gen.)	605000	27500	27500	660000

2. The sanction of the President is also accorded to the release of Rs. 28,53,149/- (Rupees Twenty Eight Lakh Fifty Three Thousand One Hundred Forty Nine only) to the "Director/Registrar/Principal/Controller/Comptroller, MANIPAL UNIVERSITY JAIPUR" being the first installment of grant as mentioned above table under "General Component" for the above mentioned project.

3. The expenditure involved is debit to Demand No. 89, Department of Science & Technology for the year 2022-23:

3425	Other Scientific Research(Major Head)
3425.60	Others : (Sub-Major Head)
3425.60.200	Assistance to Other Scientific Bodies(Minor Head)
3425.60.200.70	Innovation,Technology Development and Deployment
3425.60.200.70.00	Detailed Head
3425.60.200.70.00.31	Grants-in-aid General
	(Previous: 3425.60.200.26.01.31)

4. The amount of Rs. 28,53,149/- (Rupees Twenty Eight Lakh Fifty Three Thousand One Hundred Forty Nine only) will be drawn by DDO, DST and disbursed to the "CNA account of Autonomous body SERB in respect of Innovation,Technology Development and Deployment Scheme".

Name of A/C Holder	Innovation Technology Development and Deployment
Bank A/C No	349902010051240
Name of the Bank & branch	Union Bank of India, Safdarjang Enclave - New Delhi
RTGS/IFSC code	UBIN0534994

5. The amount of Rs. 28,53,149/- (Rupees Twenty Eight Lakh Fifty Three Thousand One Hundred Forty Nine only) will be drawn by the "CNA account of Autonomous body SERB and will be disbursed to the Director/Registrar/Principal/Controller/Comptroller, MANIPAL UNIVERSITY JAIPUR . The bank details for electronic transfer of funds through RTGS are given below:-

Name of A/C Holder	MANIPAL UNIVERSITY JAIPUR
Bank A/C No	219012010000703
Name of the Bank & branch	Union Bank of India
RTGS/IFSC code	UBIN0821900

6. As per Rule 234 of GFR 2017, the sanction has been entered at S. No 200, in the register of grants maintained in the Technology Mission Division for the scheme WTI Call 2021 on Desalination Technologies .

7. This issues with the concurrence of IFD vide their Concurrence Dy. No. IFD/C/III/170223/31/03435 dated 17/02/2023.

8. The GI will keep all the funds received in the Central Nodal Account only and shall not transfer the funds to any other account or not divert the same to Fixed Deposits/ Flexi-Account/ Multi-Option Deposit Account/ Corporate Liquid Term Deposit (CLTD)

account etc. The funds released to GI shall not be parked in bank account of any other agency.

9. The GI will ensure the compliance of OM. No. F. No. 1/(18)/PFMS/FCD/2021 dated March 9, 2022 of Department of Expenditure, Ministry of Finance.

10. Out of the release of Rs. 28,53,149 / - (G) (Rs. 16,12,072/- for Manipal University Jaipur, (Darpan ID-RJ/2017/0115730), Rs. 6,36,077/- for University of Rajasthan and Rs. 6,05,000/- for Kashi Institute of Technology (Darpan ID-UP/2017/0152961) under the recurring head and out of release of Rs. 8,90,000/- (C) (Rs. 7,90,000/- (Manipal University Jaipur) and Rs.1,00,000/- (University of Rajasthan, Jaipur) towards the First-year installment.

11. This sanction order is subject to the **Terms & Conditions** as annexured .



Dr. Sanjai Kumar
(Scientist - 'D')
sanjai.k@gov.in

To,
The Pay & Accounts Officer,
Department of Science & Technology,
New Delhi - 110 016.

Copy of information and necessary action to:

1. The Principal Director of Audit, Scientific Department, IIIrd floor, AGCR Building, I.P. Estate, New Delhi.
2. The Financial Advisor, Integrated Finance Division, Technology Bhavan, New Mehrauli Road, Block C, Qutab Institutional Area, New Delhi, Delhi 110016
3. The Internal Audit Wing, Department of Science & Technology, Technology Bhavan, New Mehrauli Road, Block C, Qutab Institutional Area, New Delhi, Delhi 110016
4. Drawing and Disbursing Officer, DST, Cash Section. (two copies)
5. Dr. Monika Sogani, Associate Professor Senior Scale, Department of Biosciences, MANIPAL UNIVERSITY JAIPUR, Dehmi Kalan, Off Jaipur-Ajmer Expressway, Jaipur, Rajasthan - 303007
6. Dr. Placheril John, Professor and Head, Department of Zoology, UNIVERCITY OF RAJASTHAN, Jaipur, Jaipur, Rajasthan - 302004
7. Mr. Kumar Sonu, Assistant Professor, HoD, Mechanical Engineering, KASHI INSTITUTE OF TECHNOLOGY, Varanasi, Varanasi, Uttar Pradesh - 221307
8. The Director/Registrar/Principal/Controller/Comptroller, KASHI INSTITUTE OF TECHNOLOGY, Varanasi, Varanasi, Uttar Pradesh - 221307
9. The Director/Registrar/Principal/Controller/Comptroller, MANIPAL UNIVERSITY JAIPUR, Dehmi Kalan, Off Jaipur-Ajmer Expressway, Jaipur, Rajasthan - 303007
10. The Director/Registrar/Principal/Controller/Comptroller, UNIVERCITY OF RAJASTHAN, Jaipur, Jaipur, Rajasthan - 302004
11. Secretary, SERB, New Delhi (for allocation of limits to implementing agency)
12. Head (Technology Mission Division) DST
13. Sanction Folder (Technology Mission Division)



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Rtn Jennifer Jones

District Governor
Rtn Dr Balwant Singh Chirana

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President Elect (2024-25)
PHF Rtn CFP Shalini

Immediate Past President
MPHF Rtn Er Narendra Mal Mathur

Vice Presidents
MPHF Rtn Adv Ashok Goyal
PHF Rtn Desh Deepak Goyal

Jt. Secretary
Rtn Er Nand Kishore Maheshwari

Director – Club Administration
PHF Rtn Rajendra Tiwari

Director – Service Projects
Rtn Er Sudesh Roop Rai

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Executive Secretary - I.T.
PHF Rtn Prof Raj Kishor Pareek

Club Trainer
MPHF Rtn Ravi Shanker Sharma

Sergeant at Arms
PHF Rtn Er Satish Goyal

Date: 03/10/23

TO WHOMSOEVER IS CONCERN

Rotaract Club, Directorate of Students' Welfare along with Rotary Club Jaipur, Bapu Nagar conducted a Plantation Drive at Mahatma Gandhi Government School (English Medium), Begas on 3rd October 2023. It was a physical activity involving the students from NSS, DSW and the Rotaract Club MUJ.

We would like to appreciate Rotaract Club, Directorate of Students' Welfare, Manipal University Jaipur for the efforts and express our gratitude towards them.

Regards



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Secretary

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Sergeant at Arms
PHF Rtn Er Satish Goyal

Date: 06/09/23

TO WHOMSOEVER IS CONCERN

Rotaract Club, Directorate of Students' Welfare along with Rotary Club Jaipur, Bapu Nagar conducted a Plantation Drive at Mahatma Gandhi Government School (English Medium), Begas on 6th September 2023. It was a physical activity involving the students from NSS, DSW and the Rotaract Club MUJ. Event was well coordinated, where more than 30 samplings of plants were planted in the schools.

We would like to appreciate Rotaract Club, Directorate of Students' Welfare, Manipal University Jaipur for the efforts and express our gratitude towards them.

Regards



Rtn Meeta Mathur
Secretary



Rotary International President
Rtn Jennifer Jones

District Governor
Rtn Dr Balwant Singh Chirana

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MPHF Rtn Ravi Shanker Sharma

Sergeant at Arms
PHF Rtn Er Satish Goyal

Date: 24/08/23

TO WHOMSOEVER IS CONCERN

Rotaract Club, Directorate of Students' Welfare along with Rotary Club Jaipur, Bapu Nagar conducted a Plantation Drive at Mahatma Gandhi Government School (English Medium), Dehmi Kalan on 24th August 2023. It was a physical activity involving the students from NSS, DSW and the Rotaract Club MUJ.

We would like to appreciate Rotaract Club, Directorate of Students' Welfare, Manipal University Jaipur for the efforts and express our gratitude towards them.

Regards

Rtn Meeta Mathur
Secretary



Rotary International President
Rtn Jennifer Jones

District Governor
Rtn Dr Balwant Singh Chirana

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MPHF Rtn Ravi Shanker Sharma

Sergeant at Arms
PHF Rtn Er Satish Goyal

Date: 26 Oct 23

TO WHOMSOEVER IS CONCERN

Dept of Chemistry and Rotaract Club, Directorate of Students' Welfare along with Rotary Club Jaipur, Bapu Nagar conducted Plantation Drive at Dadar ki Dhani Village. Event was well coordinated by the Department of Chemistry and DSW.

We would like to appreciate Rotaract Club, Directorate of Students' Welfare, Manipal University Jaipur for the efforts and express our gratitude towards them.

Regards

Rtn Meeta Mathur
Secretary

Installation
of Solar
Panels on
the roof of
AB-3
Building

Manipal
University
Jaipur
मणिपाल
युनिवर्सिटी
जयपुर

Manipal
University Library
मणिपाल युनिवर्सिटी
लाइब्ररी

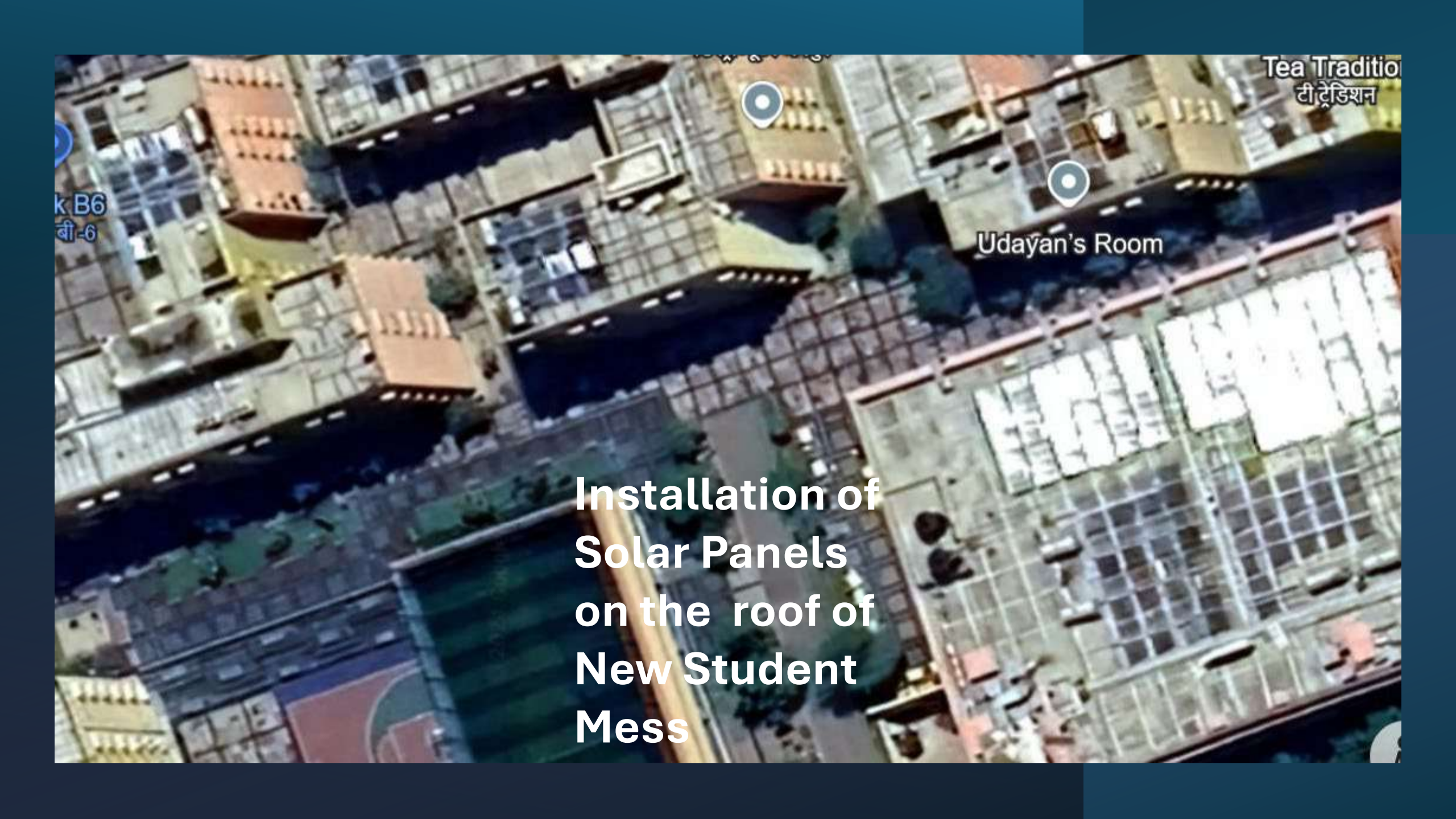
Vinayak Marg



College Cricket Ground
कॉलेज क्रिकेट मैदान



Manipal
Jaipur
मणिपाल



**Installation of
Solar Panels
on the roof of
New Student
Mess**

k B6
बी-6

Tea Tradition
टी ट्रेडिशन

Udayan's Room

An aerial photograph of a large, multi-story yellow building with a flat roof. The roof is covered with a dense array of blue solar panels. The building has many windows and a prominent entrance area. The surrounding area includes some greenery and other buildings in the background. The text "Installation of Solar Panels on the roof of New Building" is overlaid in white on the image.

Installation of
Solar Panels
on the roof of
New Building

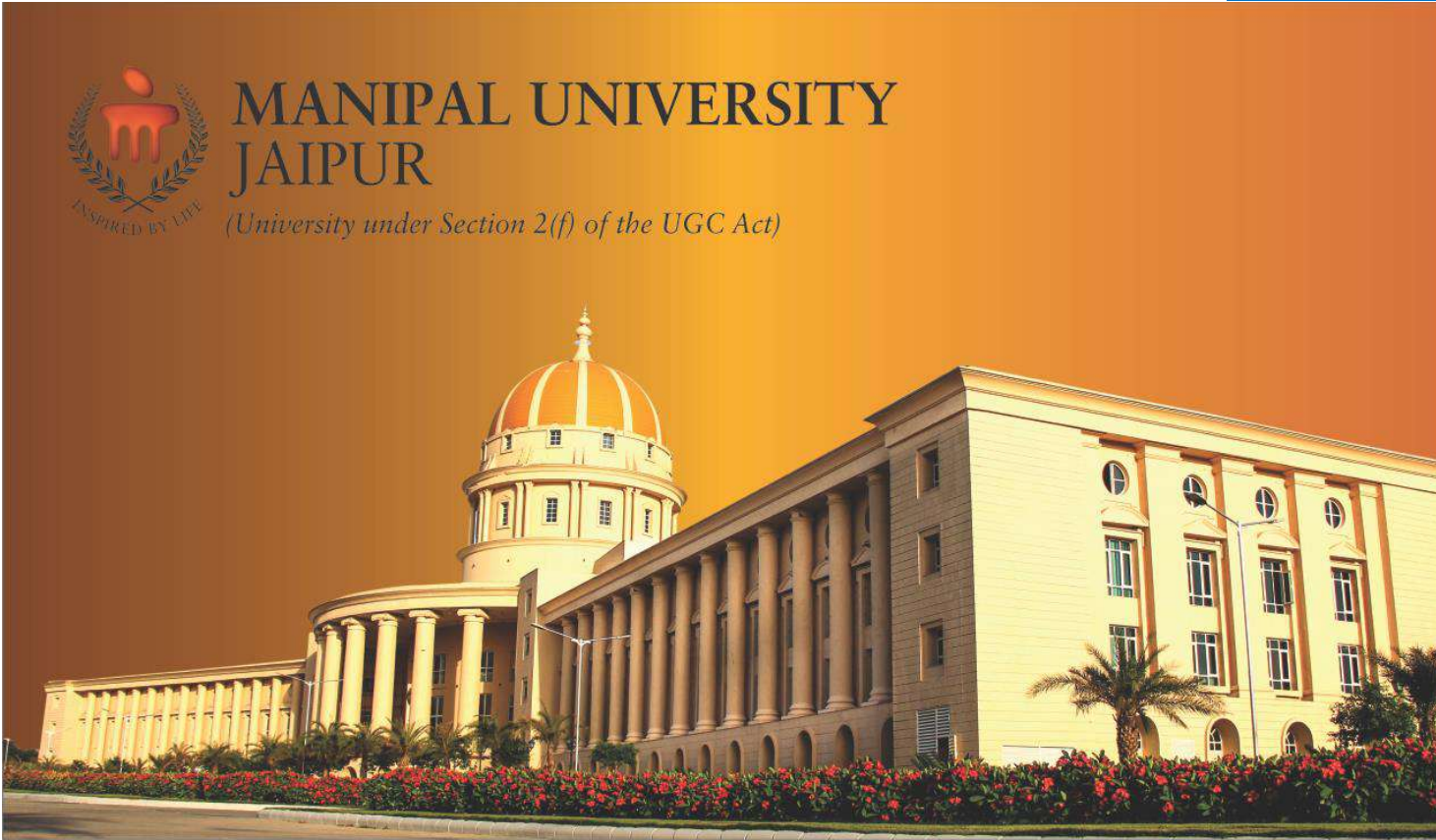
ACADEMIC
LOCK 2







**MANIPAL UNIVERSITY
JAIPUR**
(University under Section 2(f) of the UGC Act)



Energy Efficient Practice and Consumption Plan

Energy Efficient Plan



PRACTISE AT MUJ

1. Conduct an Energy Audit.
2. Conscious built form
3. Application of efficient appliances
4. Regular maintenance of appliance.
5. Monthly monitoring of process and systems.
6. Annually analyze energy generation, consumption and future production



RENEWABLE ENERGY UTILIZATION

Renewable energy Utilization is a key part of the design and development at Manipal University Jaipur. Hence, on site energy generation was given precedence to offset at least 50% of the total energy demand to achieve this solar p.v arrays are installed on the rooftops across all the major buildings in the University.

Key Performance Indicators:

The approach of MUJ to race towards self sufficiency in Energy is by reducing overall energy demand of MUJ (Admin & Academic-1) wherever possible. Design optimization was the key aspect which is driving MUJ to achieve energy use reduction. The reduced energy will be met by on site generated solar energy

- Climate responsive design of the building is the key element in the reduced energy demands.
- Appropriately sized systems with energy efficient technology & controls further reduced the energy demands
- Design has considered the orientation of building to construct the service structures on roof to reduce the amount of self shading & shadow patches on roof to maximum energy harvest with the solar pv's.
- Constant increase in capacity of solar PV system to steady offset of conventional energy demands



PRACTISE AT MUJ:

Available roof area is utilized for solar panels for high energy production to target NET Zero campus.

Parking shades are utilized for solar energy generation, efficiently utilizing space and getting benefitted for campus geographical location.



ENERGY SAVING SUMMARY

Document ID: IPPL/EA/ND/19-20/01

S.No	Energy Conservation Projects	Annual Water Saving (KL)	Annual Energy Saving (KVAh)	Annual Monetary Saving in Lakhs	Investment (in lakhs) Rs.	Payback Period in Months	Co2 Emission Reduction in Ton	Page No
1	Avoiding use of transformer-1 during non-peak months		21,818	2.05	1.5	9	17.9	54
2	Maintaining 410-415 V instead of 430 V at Transformer-1		1,40,695	13.23	Nil	Immediate	115.4	55
3	Energy saving achieved by Chiller set point optimisation		13,745	1.29	Nil	Immediate	11.3	57
4	Energy saving by chiller plant optimisation		43,636	4.10	Nil	Immediate	35.8	59
5	Installation of Automation in Unitary AC		7,987.2	0.75	1.2	19	6.5	63
6	Replacement of Old AC by Inverter AC		3,840	0.36	1.2	40	3.1	63
7	Increase Re-use of Grey-Waste Water from laundry	4000		9.76	15.0	18	-	68
8	Energy saving by using fine bubble diffuser		44,460.6	4.26	5.0	14.2	36.5	71
9	Aggregation and optimisation of compressed air usage in STP		3,625.3	0.34	0.5	17.8	3.0	74
10	Installation of Energy efficient fans		2,40,000	22.56	90.0	48	196.8	79
11	Replacement of Inefficient Heat Pumps (Either by new heat pump or through staform hot water system)		49,332.8	5.1	7.8	18.5	40.5	81
12	Cleaning and Maintenance of Heat pumps to improve COP		39,926.3	3.8	6.0	19.2	32.7	83
13	Installation of Solar street light at peripheral roads		24,741.8	2.3	9.5	48.8	20.3	85
Total		4000	6,33,809	70	138	24	520	



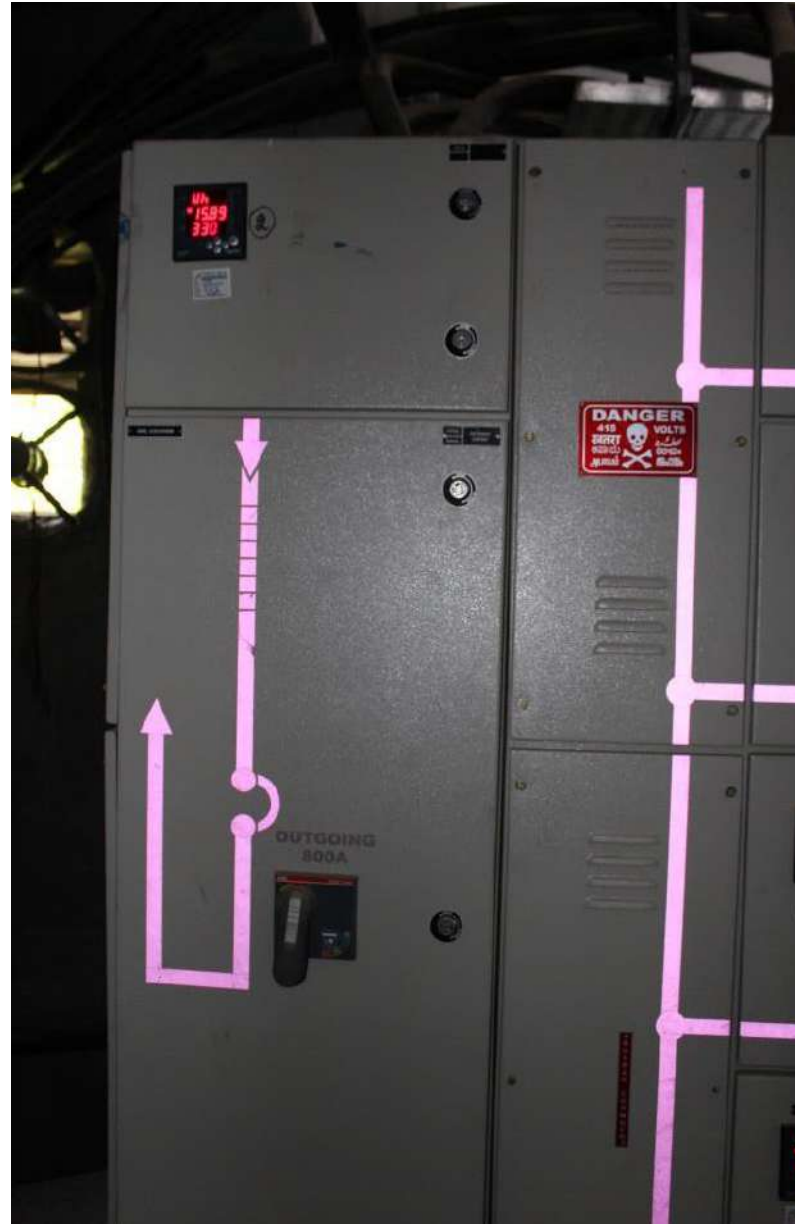


RESOURCE CONSUMPTION MONITORING



PRACTISE AT MUJ

- Resource consumption monitoring is a critical process that enables organizations to track, analyze, and manage the use of key resources like water, energy, and materials. The goal is to reduce waste, optimize efficiency, and promote sustainable practices.





RENEWABLE ENERGY ANALYSIS

Months	Grid - MUJ Academic		Solar (Only MUJ)		Grid + Solar (Only MUJ)		Cost Per Unit
	1	2	3	4	5 = (1 + 3)	6 = (2 + 4)	
	Total MUJ kWh	Grid Amount	Total kWh	Solar Amount	Total kWh	Total Amount	
Apr-22	3,97,078	39,47,857	2,02,188	11,44,512	5,99,266	50,92,369	8.50
May-22	3,79,562	36,95,533	1,99,357	11,36,036	5,78,919	48,31,569	8.35
Jun-22	3,84,395	37,69,540	1,71,227	9,87,165	5,55,622	47,56,705	8.56
Jul-22	3,98,368	38,78,313	1,51,776	8,50,543	5,50,144	47,28,856	8.60
Aug-22	2,59,937	26,35,241	1,14,253	6,63,070	3,74,190	32,98,311	8.81
Sep-22	4,43,900	42,67,386	91,560	3,76,623	5,35,460	46,44,009	8.67
Oct-22	2,45,303	24,65,876	1,32,260	8,21,264	3,77,563	32,87,140	8.71
Nov-22	1,69,602	17,29,170	52,145	2,13,794	2,21,747	19,42,964	8.8
Dec-22	2,20,490	23,52,140	49,463	2,02,798	2,69,953	25,54,938	9.5
Jan-23	1,80,914	18,42,970	35,830	1,46,904	2,16,744	19,89,874	9.2
Feb-23	133236	1374783	46321	189919	179557	1564702	8.71
Mar-23	135208	1402323	145107	8,58,610.00	280315	2260933	8.1
Total	30,79,549	3,05,84,026	13,45,166	74,01,319	42,79,608	3,71,26,735	8.85
Avg Per Month	3,42,172	33,98,225	1,49,463	8,22,369	4,75,512	41,25,193	



RENEWABLE ENERGY GENERATION



