

CHAPTER

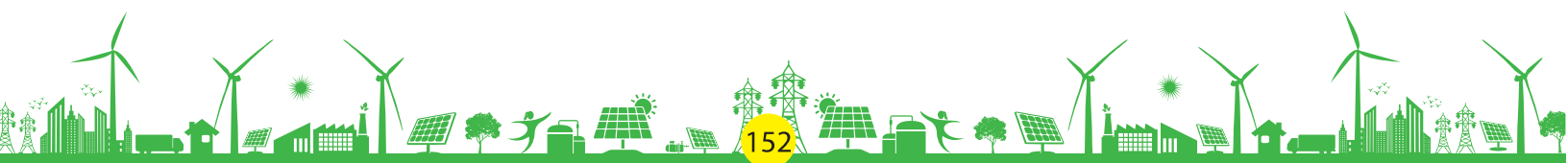
12

**INTERNATIONAL COOPERATION IN
RENEWABLE ENERGY**



INTERNATIONAL COOPERATION IN RENEWABLE ENERGY

- 12.1** The International Relations (IR) Division of the Ministry has been continuously engaging with Department of Economics Affairs (DEA), Ministry of External Affairs (MEA), Indian Missions located in various countries, Embassies of various countries located in India, multilateral international organizations among others, for Cooperation, Development & Deployment and signing of Memorandum of Understandings (MoUS) and Agreements in the field of New & Renewable Energy.
- 12.2** During the current year also Ministry has taken several initiatives for promotion of New & Renewable Energy cooperation by signing Memorandum of Understanding (MoUs), Implementation Agreements (IAs), convening Bilateral, Multilateral and Joint Working Group (JWG) Meetings mostly through virtual modes. The Delegations were led at the level of Hon'ble Minister and senior officers of the Ministry for the purpose of these events in the field of Renewable Energy.
- 12.3** MNRE has signed Memorandum of Understanding (MoUs) and Agreements with different countries and organizations in the field of New and Renewable Energy. Under signed MoUs, Joint Working Groups (JWGs) were set up for identification, selection and formulation of joint activities for implementation. Interactions with various countries were also undertaken through Joint Commission Meetings (JCMs), Joint Working Group (JWG) meetings, Joint Trade Committee (JTC) Meeting being setup by the other Ministries such as Ministry of External Affairs (MEA), Ministry of Environment, Forests and Climate Change (MoEFCC), Ministry of Commerce & Industry (MoC&I), Ministry of Power (MoP), NITI Aayog, among others. Mutually agreed projects and activities for cooperation were also established with many countries at bilateral level, even though no specific MoU has been signed with them.
- 12.4** In addition, MNRE has been collaborating under various multilateral cooperation frameworks like Association of South-East Asian Nations (ASEAN), Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC), Brazil-Russia-India-China-South Africa (BRICS), Colombo Plan, G20, India-Brazil-South Africa (IBSA), Indian Ocean Rim Association (IORA), South Asian Association for Regional Cooperation (SAARC), South Asia Sub-regional Economic Cooperation (SASEC), Shanghai Cooperation Organisation (SCO), among others.
- 12.5** The Ministry also engages with various international Institutions & agencies, like Asian Development Bank (ADB), Agence Française de Développement (AFD), Danish Energy Agency (DEA), Technical University of Denmark (DTU), European Union (EU), Foreign Commonwealth and Development Office (FCDO), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), International Renewable Energy Agency (IRENA), International Energy Agency (IEA), International Solar Alliance (ISA), Kreditanstalt für Wiederaufbau (KfW), Physikalisch-Technische Bundesanstalt (PTB), United States Agency For International Development (USAID), United Nations Development Programme (UNDP), United Nations Industrial Development Organization (UNIDO), World Bank (WB), among others, for assistance and providing technical inputs of renewable energy projects.
- 12.6** The Ministry also facilitates specialized training programmes in developing and under developing countries in the fields of Solar Energy, Wind Energy, Small Hydro Power & Biomass at India through apex institutes, viz., National Institute of Solar Energy (NISE), Gurgaon, National Institute of Wind Energy (NIWE), Chennai, Alternative Hydro Electric Centre (AHEC), IIT, Roorkee under ITEC programme of Government of India.

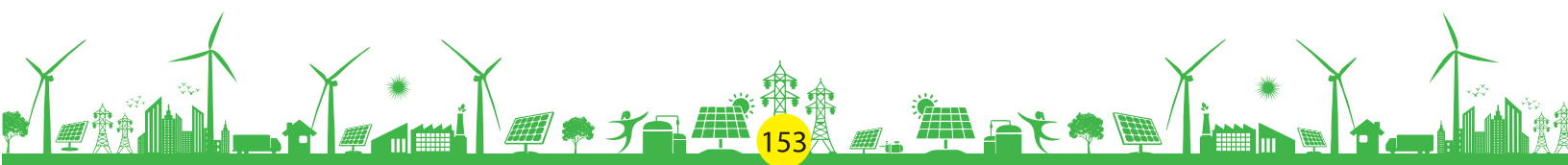


12.7 During the current year, the following Memorandum of Understandings (MoUs) and Cooperation Agreement have been signed:

- » A Memorandum of Understanding (MoU) between International Solar Alliance (ISA), Ministry of New and Renewable Energy and International Bank for Reconstruction and Development and International Development Association, was signed on 08.09.2020 regarding "Implementation of 'One Sun One World One Grid' (OSOWOG) Initiative".
- » A Memorandum of Understanding (MoU) between the National Institute of Solar Energy (NISE), Ministry of New and Renewable Energy (MNRE), Government of India and the International Solar Energy Institute (ISEI) Government of Uzbekistan was signed on 10.12.2020 for cooperation in the field of Solar Energy.
- » A Memorandum of Understanding (MoU) between the Ministry for the Ecological Transition of the French Republic and the Ministry of New and Renewable Energy of the Republic of India, on renewable energy cooperation, was signed on 28.01.2021 at New Delhi.

12.8 During the current year, the following Joint Working Group (JWG) meetings were organised in the field of Renewable Energy (**Table 12.1**).

Table 12.1: Joint Working Groups meetings organised by MNRE			
S. No.	Between the Countries	Date of meeting	Remarks
1.	The Ministry of New and Renewable Energy of the Government of the Republic of India and the Ministry of Industry of the Republic of Iceland	28 th August, 2020	Held Virtually
2.	The Ministry of New and Renewable Energy of the Government of the Republic of India and the Ministry of Infrastructure and Transport of the Republic of Fiji	10 th September, 2020	Held Virtually
3.	The Government of the Republic of India and the Government of the United Kingdom of Great Britain and Northern Ireland	18 th September, 2020	Held Virtually
4.	The Ministry of New and Renewable Energy of the Government of the Republic of India and the Ministry of Foreign Affairs, DECC of the Government of United Arab Emirates	11 th November, 2020	Held Virtually
5.	The Ministry of New and Renewable Energy of the Government of the Republic of India and the European Union	13 th November, 2020	Held Virtually
6.	The Ministry of New and Renewable Energy of the Government of the Republic of India and the Ministry of Energy and Mining of the Republic of Peru	11 th December, 2020	Held Virtually
7.	The Ministry of New and Renewable Energy of the Government of the Republic of India and the Ministry of Education of the Government of the Republic of Myanmar	18 th December, 2020	Held Virtually
8.	The Ministry of New and Renewable Energy of the Government of the Republic of India and the Ministry of Electricity and Water Authority of the Government of the Kingdom of Bahrain	4 th February, 2021	Held Virtually



Apart from above, various meetings with bilateral/multilateral agencies under the technical assistance programs with MNRE, international events etc. were also held virtually during COVID 19 pandemic.

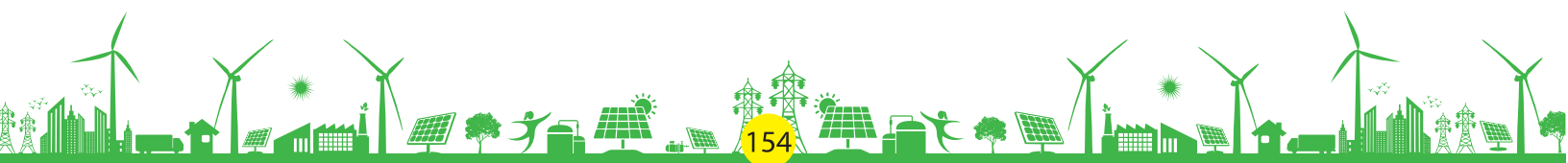
- 12.9** The 3rd Global RE-INVEST Meet and Expo was held from 26- 28 November, 2020 on a virtual platform. Nine country sessions were organized viz Australia, Denmark, France, Germany, Italy, Maldives, United Kingdom and Agencies of European Union & United States during 27-28 November, 2020. The sessions were very fruitful covering the aspects of country specific areas of interest and technologies.
- 12.10** The South Asian Group for Energy (SAGE), is a consortium for collaboration between institutions under the Ministry namely, National Institute of Wind Energy (NIWE), National Institute of Solar Energy (NISE) and the National Institute of Biomass Energy (NIBE) and three national laboratories of the U.S., namely the Lawrence Berkeley National Laboratory (LBNL), the National Renewable Energy Laboratory (NREL) and the Pacific Northwest National Laboratory (PNNL). The SAGE was launched on 7th July 2020 combinedly by MNRE and USAID. Several key areas, that will help maximize the impact of this collaboration, have been identified by the participating institutions.
- 12.11** The Ministry of New and Renewable Energy has agreed to participate in the Technology Collaboration Programmes (TCPS) of International Energy Agency (IEA), in the fields of Wind, Hydrogen and Solar Photovoltaics.
- 12.12** India has been declared as a Global Champion for the thematic theme on “Energy transition” of the United Nations High level Dialogue on Energy. MNRE will lead the theme for the event scheduled to be held in September, 2021.



Fig. 12.1: MoU signed between the Ministry for the Ecological Transition of the French Republic and the Ministry of New and Renewable Energy of the Republic of India on renewable energy cooperation on 28.01.2021 at New Delhi

12.13 ENGAGEMENT WITH INTERNATIONAL RENEWABLE ENERGY AGENCY (IRENA)

- 12.13.1** IRENA is an intergovernmental organization that supports countries in their transition to a sustainable energy future, and serves as the principal platform for international cooperation, a centre of excellence, and a repository of policy, technology, resource and financial knowledge on renewable



energy and India is one of the Founding Members of the International Renewable Energy Agency (IRENA). IRENA promotes the widespread adoption and sustainable use of all forms of renewable energy, including bio-energy, geothermal, hydro power, ocean, solar and wind energy in the pursuit of sustainable development, energy access, energy security and low-carbon economic growth and prosperity.

12.13.2 IRENA encourages governments to adopt enabling policies for renewable energy investments, provides practical tools and policy advice to accelerate renewable energy deployment, and facilitates knowledge sharing and technology transfer to provide clean, sustainable energy for the world's growing population. India regularly participates in the meetings of Council and General Assembly of IRENA and provides constructive suggestions. India will also chair the Vice Presidency of IRENA Assembly during 2021.

12.13.3 The 11th session of the IRENA General Assembly was held virtually from 18th to 21st January, 2021 at Abu Dhabi on a digital platform. The eleventh IRENA Assembly gathered over 2100 registered participants from 144 countries, including 134 Members and representatives from 330 organisations. The Indian delegation was led by Hon'ble Minister of State (IC) for Power & NRE and Secretary and Joint Secretary (IR) from MNRE were also participated in the event. India was designated as one of the Vice Presidents for the 11th session of the Assembly of IRENA 2021.

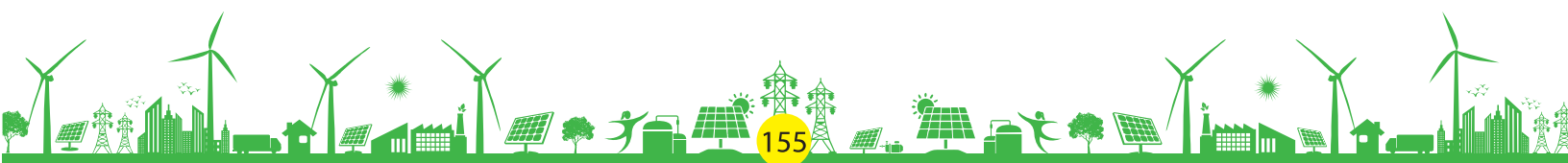
Hon'ble Minister of State (IC) for Power & NRE participated in a High Level Panel on "Energy Transition for Sustainable Post-Covid Recovery" held on 20th January, 2021. The Hon'ble Minister also Chaired the session "Renewables and Pathway to Carbon Neutrality - Innovation, Green Hydrogen and Socioeconomic Policies" held on 20th January, 2021.

Secretary, MNRE Chaired the Member interventions session held on 19th January, 2021, and also participated as a speaker in the Ministerial Plenary session "National Energy Planning and Implementation for Fostering Energy Transition" held on 19th January, 2021. Joint Secretary (IR), MNRE participated in the Ministerial Plenary session "Scaling up Finance for Renewables" held on 19th January, 2021.

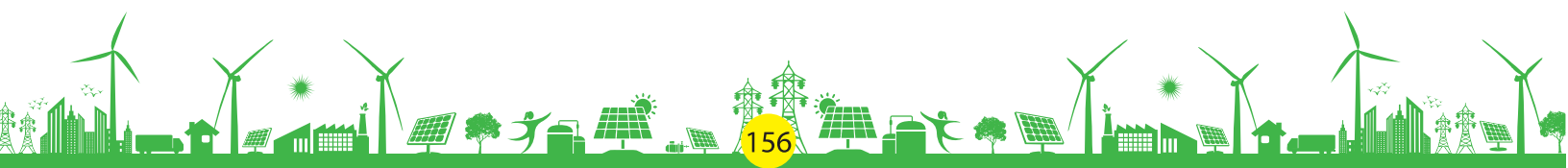
12.14 INTERNATIONAL SOLAR ALLIANCE

12.14.1 The International Solar Alliance (ISA), launched in November 2015, is the result of an Indian initiative for collectively addressing key common challenges to scaling up of solar energy. With the signing and ratification of the ISA Framework Agreement by 15 countries, on 6th December, 2017, ISA became the first international intergovernmental organization to be headquartered in India. The First Assembly of the ISA, held on 3rd October, 2018, adopted a resolution for an amendment to the Framework Agreement to expand the scope of membership of the ISA to all countries that are members of United Nations (UN). As on date, 88 countries have signed the Framework Agreement of the ISA. Of these, 70 countries have also ratified the same.

12.14.2 On 8th September, 2020 ISA organized the World Solar Technology Summit which was inaugurated by Hon'ble Prime Minister of India. More than 26,000 participants from **149 nations** joined the summit virtually. During the year the Standing Committee of the ISA, chaired by President, ISA and Minister for New and Renewable Energy and Power met twice, and the last meeting was held on 10th September, 2020. Further, the third Assembly of the ISA was held on 14th October, 2020.



- 12.14.3** ISA has so far launched seven programmes: Scaling Solar Applications for Agriculture Use; Affordable Finance at Scale; Development of large-scale Grid connected Solar projects; Scaling Solar Mini-Grids; Scaling Solar Rooftop and Scaling Solar e-mobility and Storage; and Solarizing Heating and Cooling systems. These programmes help in achieving the overall goal of increased solar energy deployment in the ISA member countries for achieving universal energy access and speeding up economic development.
- 12.14.4** A large number of organizations such as the World Bank, the UNDP, European Investment Bank, Green Climate Fund among others have signed Joint Declarations for forging partnerships with ISA for development and deployment of Solar Energy globally.



CHAPTER

13

PROMOTION OF OFFICIAL
LANGUAGE –HINDI

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PROMOTION OF OFFICIAL LANGUAGE – HINDI

13.1 INTRODUCTION: With a view to implement the Official Language Policy of the Government of India, a Hindi Section has been set up in the Ministry. Its functions are as under:

- » Translation work.
- » Implementation of the Official Language Policy of the Government of India.

13.2 During the year 2020-21, concerted efforts were made to ensure proper compliance of the provisions of Official Languages Act, 1963 and Rules framed thereunder.

13.3 For promotion of Official Language Policy and to create more conducive environment for the officials to do more work in Hindi, various programmes and schemes are being undertaken which include the following:

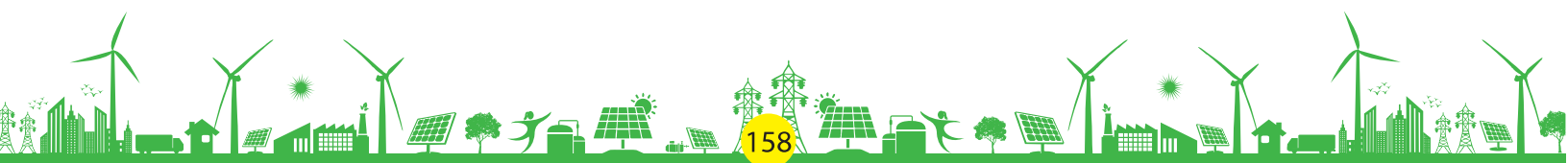
- » Website of the Ministry has been made bilingual and it is being updated from time to time.
- » A digital board has been installed at the entrance of the Ministry with new Hindi Word being displayed on daily basis. Inspirational quotes are also displayed.
- » Standard Drafts and Standard Forms have been prepared in Hindi and placed on the Website of the Ministry for convenience of officers/staff.
- » Hindi books are purchased in the Ministry and efforts are made to achieve the targets laid down by the Department of Official Language, Ministry of Home Affairs.
- » Addresses of Nodal Agencies have been prepared in Hindi.
- » All documents coming under section 3(3) of the Official Languages Act 1963, including Press Release, Tender Notices, Rules, General Orders, Notifications, Cabinet Notes, Parliament Questions and other Documents to be laid in the Parliament are presented bilingually.
- » Letters received in Hindi are invariably replied in Hindi and Rule 5 of the Official Language Rules, 1976 is fully complied with.

13.4 During the year 2020-21, various measures were taken for effective implementation of Official Language Policy in the Ministry. As per the Quarterly Progress Report for the quarter ended on 31st December, 2020, the percentage of Hindi correspondence with offices in Regions designated as A, B and C was 75%, 70% and 67% (approx.) respectively.

13.5 In Order to review the progress made in the implementation of Official Language policy, quarterly meetings of Official Language Implementation Committee were held regularly. Discussions were held on quarterly progress reports received from various Sections and Divisions of the Ministry and IREDA, SECI, NIWE, NISE and NIBE. The Sections and Divisions and other Organizations were advised to achieve the targets specified by the Department of Official Language, Ministry of Home Affairs.

13.6 HINDI FORTNIGHT:

With a view to create awareness and to increase the use of Hindi in official work, a Hindi Fortnight was observed in the Ministry during 14th to 28th September, 2020. In view of the COVID 19 pandemic, online competitions were held, keeping in view the directions and Standard Operating Procedures (SOP) issued by the Central Government from time to time. There was a good participation by officers



and staff of the Ministry. Messages from Hon'ble Minister of Home Affairs and Hon'ble Minister (NRE) regarding progressive use of Hindi were read out. As many as 40 officers and staff members belonging to Hindi and non-Hindi speaking categories were given cash awards. Hindi Fortnight was also observed in various offices and undertakings of the Ministry and online competitions were held. Necessary instructions were issued to the offices and undertakings of the Ministry for effective and extensive promotion and propagation of Hindi.

13.7 Hindi Noting and Drafting Incentive Scheme of the Department of Official Language was continued during the year and ten officers and staff were awarded under this Scheme.

13.8 Re-constitution of Hindi Salahkar Samiti is under process.

13.9 AKSHAY URJA PURASKAR YOJNA

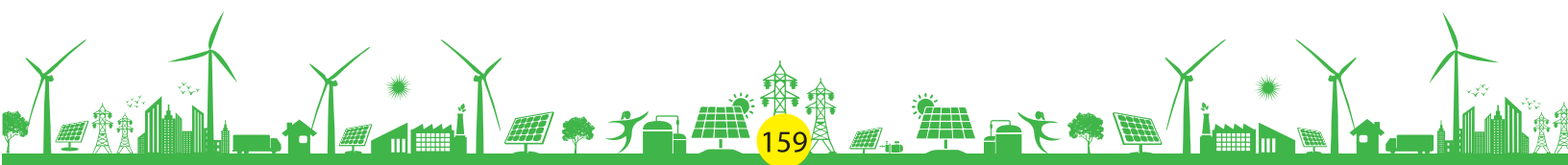
To promote original book writing in Hindi or translated in Hindi related to the subjects of Renewable Energy, Akshay Urja Puraskar Yojna (previously Prakritk Urja Puraskar Yojna) is being implemented in the Ministry. Under this scheme, there is a provision to award a First prize of ₹ 1,00,000 Second prize of ₹ 60,000 and Third prize of ₹ 40,000 for the books originally written in Hindi. For the books translated into Hindi, the amount of first, second and third prize is ₹ 50,000, ₹ 30,000 and ₹ 20,000 respectively. An appreciation letter signed by the Secretary, MNRE is also given to the awardees.

13.10 ORGANIZATION OF HINDI WORKSHOPS

With a view to encourage the officers and staff to do their official work in Hindi, Hindi workshop is organized quarterly for the officers and staff of different categories.

13.11 INSPECTION OF SUBORDINATE OFFICES AND SECTIONS

With a view to assess the status regarding progressive use of Official Language, inspection of various offices and Autonomous Institutions and PSUs were carried out from time to time by the Dy Director (OL) and Assistant Director (OL) of the Ministry. Inspections of offices of IREDA, SECI and NISE were carried out during the year under report.



ANNEXURES



ANNEXURE - I

STAFF STRENGTH

MINISTRY OF NEW AND RENEWABLE ENERGY (ADMINISTRATION)

Table 1: Group-wise Sanctioned and In-position Posts in **MNRE** as on 31.12.2020 are as follows:

Group	A	B	C	Total
Sanctioned	141	84	85	310
In Position	79	48	61	188
SC	11	10	19	40
ST	02	02	04	08
OBC	07	10	08	25
Physically Handicapped	-	01	01	02

NATIONAL INSTITUTE OF WIND ENERGY (NIWE)

Table 2: Group-wise Sanctioned and In-Position Posts in **NIWE** as on 31.12.2020 are as follows:

No. of Posts	Group **			Total
	A	B	C	
Sanctioned	18	13	17	48
In Position	17	12	17	46
SC	02	01	03	06
ST	01	-	-	01
OBC	03	02	02	07
PH	-	01*	-	-

** Classification of posts as per the G.I., Dept of Per. & Trg. O.M. No. F.No.11012/10/2016 – Estt. A-III dated 8.12.2017

* Deputation on Foreign Service terms.

INDIAN RENEWABLE ENERGY DEVELOPMENT AGENCY (IREDA)

Table 3: Group-wise Sanctioned and In-position Posts in **IREDA** as on 31.12.2020 are as follows:

Classification	Board Level	Group A	Group B	Group C	Group D	Total
In Position	02	136	01	21	-	160
SC	-	17	-	06	-	23
ST	-	08	-	01	-	09
OBC	-	23	-	03	-	26
PH	-	03	-	01	-	04
Total Sanctioned Strength (below Board level)						213

SARDAR SWARAN SINGH - NATIONAL INSTITUTE OF BIO-ENERGY (SSS-NIBE)

Table 4: Group-wise Sanctioned and In-positioned Posts in **SSS-NIBE** as on 31.12.2020 are as follows:

Group	A	B	C	D	Total
Sanctioned	21*	01	04	0	26
In Position	03	01	04	-	08
SC	-	-	-	-	-
ST	-	-	-	-	-
OBC	-	-	-	-	-
PH	-	-	-	-	-

* The recruitment of DG and 11 Scientists are under process.

NATIONAL INSTITUTE OF SOLAR ENERGY (NISE)

Table 5: Group-wise Sanctioned and In-positioned Posts in **NISE**, as on 31.12.2020 are as follows:

Group	A	B	C	D	Total
Sanctioned	25	16	0	0	41
In Position	19	08	0	0	27
SC	01	01	0	0	02
ST	0	0	0	0	0
OBC	02	02	0	0	04
PH	01	0	0	0	01

Note: Recruitment is under process for the vacant post.

SOLAR ENERGY CORPORATION OF INDIA (SECI)

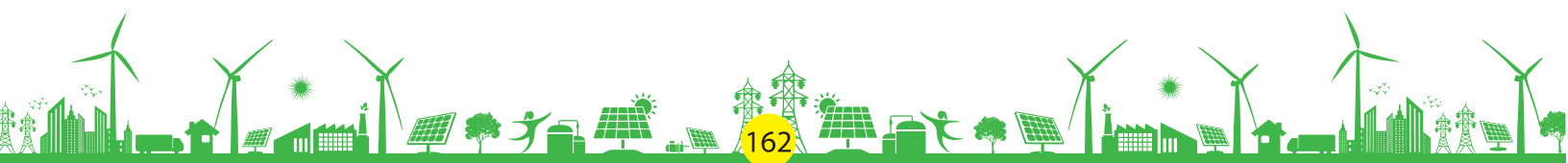
Table 6: Group-wise Sanctioned and In-position Posts in **SECI** Staff on 31.12.2020 are as follows:

Group	A	B	C	D	Total
Sanctioned	122	37	0	0	159
In Position	90	07	0	0	97
SC	07	02	0	0	09
ST	03	0	0	0	03
OBC	15	02	0	0	17
PH	01	01	0	0	02

PAY AND ACCOUNTS OFFICE, MINISTRY OF NEW AND RENEWABLE ENERGY

Table 7: Group-wise Sanctioned and In-position Posts in **Pay & Accounts Office, MNRE** on 31.12.2020 is as follows:

Group	A	B	C	D	Total
Sanctioned	3	4	9	0	16
In Position	3	3	7	-	13
SC	1	0	-	-	01
ST	-	-	1	-	01
OBC	-	-	2	-	02
Physically Handicapped	-	-	-	-	-



ANNEXURE - II

AUDIT PARA

Year	Report No.	Chapter No.	Para No.	Action	Subject	Stage
2018	2 of 2018	IX	9.1	Added Revised ATN	Non-Utilisation of Solar Thermal Power Plant	Revised ATN Uploaded

Year	Report No.	Chapter/ Para No.	Subject	Stage
2020	6 of 2020	XIII/13.1	Karnataka Solar Power Development Corporation Limited CENVAT credit on inputs/capital goods were not availed in time as per extant rules, Company had to bear an extra expenditure to the extent of ₹ 1.01 Crore and also lost an opportunity to avail CENVAT credit on bought out materials.	Action is being initiated
2020	6 of 2020	XIII/13.2	Karnataka Solar Power Development Corporation Limited TDS was not carried out from the payment of land lease charges to the land owners. It was borne by the Company on behalf of the land owners, which resulted in an irregular expenditure of ₹ 5.25 crore.	

ANNEXURE - III

GRANTS IN AID TO STATES AND VOLUNTARY ORGANISATIONS

Table 1 : Funds released to Implementing Agencies under HRD Programme in FY 2020-21 (as on 31.12.2020)

Sl. No.	Sanction Number	Agency Name	Sanction Date	Amount (₹)
1	342-11/2/2018-HRD	National Institute of Solar Energy, Gurugram	17.11.2020	20,03,653
2	342-11/5/2020-HRD		22.12.2020	59,81,004
3	10/1(26)/2015-P&C		29.12.2020	8,00,00,000

Table 2 : Grant given to State PIAs of more than ₹ 50 lakh in Green Energy Corridor from 01.01.2020 to 31.12.2020

Sl. No.	Sanction No.	Project/ Organization Name	State	Fund Released	
				Sanction Date	Amount (₹ in lakh)
1	367-1 1/26/2017-GEC	Himachal Pradesh State Electricity Board	Himachal Pradesh	20.02.2020	155.84
2	367-1 1/26/2017-GEC	Himachal Pradesh State Electricity Board	Himachal Pradesh	29.04.2020	2690.36
3	367-1 1/26/2017-GEC	Himachal Pradesh Power Transmission Corp. Ltd	Himachal Pradesh	29.04.2020	2164.00
4	1/7/2015-EFM	Transmission Corporation of Andhra Pradesh Ltd	Andhra Pradesh	29.04.2020	2352.70
Total					7362.90

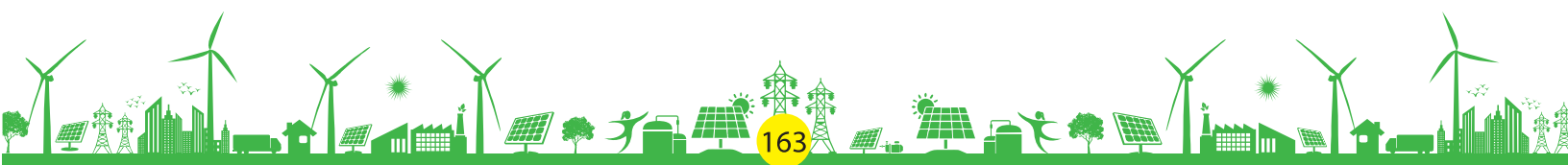
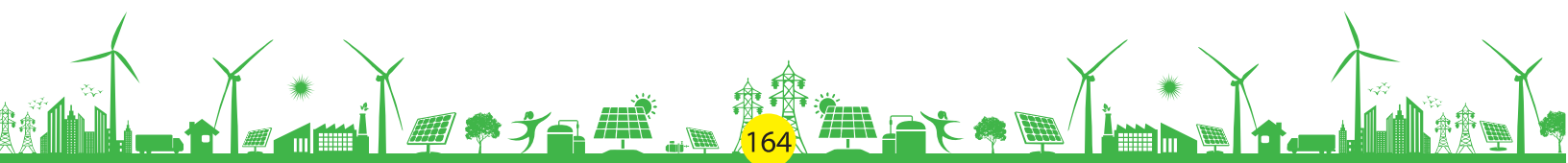


Table 3 : Cumulative CFA Released to SPPD/STU/CTU by SECI (₹ in lakh) as on 31.12.2020

Sl.No.	State	Solar Park	Total CFA disbursed
1	Andaman & Nicobar	NTPC	0.00
2	Andhra Pradesh	Ananthapuramu-I Solar Park	13525.00
3		Kurnool Solar Park	12625.00
4		Kadapa Solar Park	5425.00
5		Ananthapuramu-II Solar Park	5124.80
6		Hybrid Solar Wind Park	25.00
7		Ext Trans PGCIL-AP	10955.54
8		Ext Trans APTRANCO-AP II	4000.00
9		Ext Trans APTRANCO-Kurnool	7400.00
10		Arunachal Pradesh	Lohit Solar Park
11	Assam	Solar Park in Assam	0.00
12	Chhattishgarh	Rajnandgaoun Solar Park	15.00
13	Gujarat	Radhnesada Solar Park	3311.35
14		Harsad Solar Park	0.00
15		Dholera Solar Park	0.00
16		Ext Trans PGCIL-Radhnesada	2800.00
17	Haryana	Solar Park in Haryana	0.00
18	Himachal Pradesh	Solar Park in Himachal Pradesh	0.00
19	Jammu & Kashmir	Solar Park in J&K	0.00
20	Karnataka	Pavagada Solar Park	18525.44
21		Ext Trans PGCIL-Pavagada	12000.00
22	Kerala	Kasargod Solar Park	873.94
23	Madhya Pradesh	Rewa Solar Park	7633.51
24		Neemuch-Mandsaur Solar Park	2548.50
25		Agar Solar Park	0.00
26		Shajapur Solar Park	0.00
27		Morena (Chambal) Solar Park	0.00
28		Ext Trans PGCIL-Rewa	6000.00
29		Maharashtra	Sai Guru Solar Park (Pragat)
30	Patoda Solar Park (Paramount)		25.00
31	Dondaicha Solar Park		625.00
32	Latur Solar Park		10.00
33	Washim solar park		15.00
34	Yavatmal Solar Park		10.00
35		Kacharala solar park	15.00
36	Manipur	Bukpi Solar Park	10.00
37	Meghalaya	Solar park in Meghalaya	3.07
38	Mizoram	Vankal Solar Park	10.00
39	Nagaland	Solar Park in Nagaland	10.00
40	Odisha	Solar Park in Odisha	0.00
41			Solar Park by NHPC



42	Rajasthan	Bhadla-II Solar Park	6120.00
43		Bhadla-III Solar Park	10921.15
44		Bhadla-IV Solar Park	6018.46
45		Phalodi-Pokaran Solar Park	1825.00
46		Fatehgarh Phase-1B Solar Park	25.00
47		Nokh Solar Park	3968.96
48		RVPN- Bh-II, Bh-III, Bh-IV	10747.10
49		PGCIL- Bh-II, Bh-III, Bh-IV, PP	6000.00
50	Tamil Nadu	Solar Park in Tamil Nadu	0.00
51	Tamil Nadu	Kadaladi Solar Park	25.00
52	Telangana	Gattu Solar Park	25.00
53	Uttar Pradesh	Solar Park in UP	2081.80
54		UP Kanpur Dehat Solar Park	0.00
55		UP Jalaun Solar Park	0.00
56		UP Kanpur Nagar Solar Park	0.00
57		Ext Trans UPPTCL	1719.15
58	Uttarakhand	Solar park in Uttarakhand	8.25
59	West Bengal	Solar park in West Bengal	25.00
Total			163485.67

Financial information provided is provisional and unaudited.

Table 4 : Funds released under 2000 MW VGF Scheme to SECI from 01.01.2020 to 31.12.2020				
2000 MW Variable Gap Funding (VGF) Scheme				
Sl. No.	Sanction Number	Agency Name	Sanction Date	Amount (Rs.)
1	F. No. 283/70/2017-Grid Solar	SECI	30.06.2020	51,00,00,000
2	F. No. 283/70/2017-Grid Solar	SECI	28.08.2020	30,69,93,027
3	F. No. 283/70/2017-Grid Solar	SECI	28.08.2020	18,45,53,638
4	F. No. 283/70/2017-Grid Solar	SECI	28.08.2020	7,48,60,774
5	F. No. 283/70/2017-Grid Solar	SECI	22.12.2020	19,76,49,288
6	F. No. 283/70/2017-Grid Solar	SECI	22.12.2020	2,10,03,653
7	F. No. 283/70/2017-Grid Solar	SECI	22.12.2020	3,64,73,010

Table 5 : Funds released under Pilot-cum-Demonstration Project for Development of Grid-Connected Solar PV Power Plants on Canal Banks and Canal Tops In FY 2020-21 till 31.12.2020

Sl. No.	Sanction Number	Agency Name	Sanction Date	Amount Released (₹)
1	283/7/2017-GRID SOLAR	Solar Energy Corp. of India Ltd (SECI)	31.08.2020	19,29,27,287

Table 6 : Funds released under Scheme for Solarisation of Sun Temple, Modhera Town, Mehsana District, Gujarat in FY 2020-21 till 31.12.2020

Sl. No.	Sanction Number	Agency Name	Sanction Date	Amount Released (₹)
1	32/4/2018-SPV Division	Gujarat Power Corp Ltd (GPCL)	29.09.2020	16,25,00,000

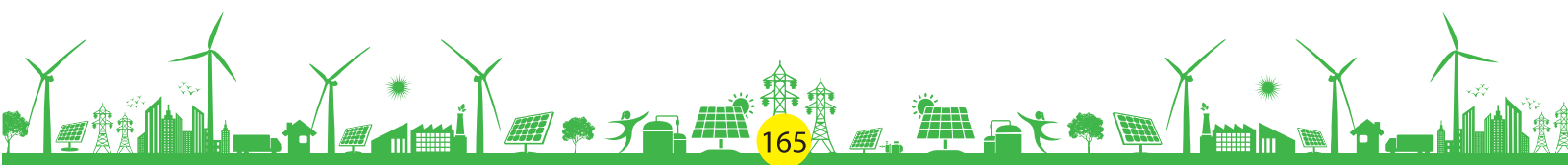


Table 7 : Funds released under 'CPSU Scheme Phase-II' in FY 2020-21 till 31.12.2020

Sl. No.	Sanction Number	Agency Name	Sanction Date	Amount Released (₹)
1	302/4/2017-GRID SOLAR	Solar Energy Corp. of India Ltd (SECI)	29.09.2020	115,00,00,000
2	302/4/2017-GRID SOLAR	Solar Energy Corp. of India Ltd (SECI)	20.10.2020	191,48,45,000
3	302/4/2017-GRID SOLAR	Solar Energy Corp. of India Ltd (SECI)	27.10.2020	019,79,60,000

Table 8 : Funds released to Indian Renewable Energy Development Agency Ltd (IREDA) for Payment of Interest on Government of India Fully Serviced Bonds in FY 2020-21 till 31.12.2020

Sl. No.	Sanction Number	Agency Name	Sanction Date	Amount Released (₹)
1.	No. 340-12/2/2018-IREDA	Indian Renewable Energy Deve-lopment Agency Ltd (IREDA)	27.07.2020	62,61,32,617

Table 9 : Solar Photovoltaic (Off-grid Solar Division) funds released above ₹ 50 Lakh up to 31.12.2020

Sl No.	Sanction No.	Project/ Organisation	State	Funds Releases	
				Date	Amount (in ₹)
1	32/1/2020-SPV Division	Telangana New & Renewable Energy Development Corp.Ltd	Telangana	06-07-2020	1,70,00,000
2	32/15/2020-SPV Division	Manipur Renewable Energy Development Agency	Manipur	01-09-2020	66,00,000
3	32/16/2017-18/PVSE (Part-1)	MP Urja Vikas Ltd, Bhopal	Madhya Pradesh	06-07-2020	12,93,71,389
4	32/21/2019-SPV Division	Director General, ITBP Police Force	Various States	30-06-2020	3,14,55,430
5	32/25/2018-SPV Division	Uttar Pradesh New & Renewable Energy Development Agency	Uttar Pradesh	03-12-2020	17,00,00,000
6	32/59/2017-SPV Division	Uttarakhand Renewable Energy Development Agency	Uttara khand	01-10-2020	1,01,52,261
7	32/60/2017-SPV Division	Uttarakhand Renewable Energy Development Agency	Uttara khand	01-10-2020	55,16,072
8	32/60/2018-SPV Division	Andaman & Nicobar Adminis-tration (ElectricityDepartment)	Andaman & Nicobar	29-05-2020	60,00,000
9	32/63/2017-SPV Division	Uttarakhand Renewable Energy Development Agency	Uttara khand	01-10-2020	63,06,564
10	32/64/2018-SPV Division	Karnataka Renewable Energy Development Ltd	Karnataka	31-07-2020	4,79,32,695
11	32/11/2020-SPV Division	Haryana Renewable Energy Development Agency	Haryana	29-05-2020	1,05,47,508
12	32/12/2020-SPV Division	Department of Agriculture, Government of Uttar Pradesh	Uttar Pradesh	30-04-2020	76,70,797



13	32/11/2020-SPV Division	Haryana Renewable Energy Development Agency	Haryana	29-05-2020	25,31,40,192
14	32/12/2020-SPV Division	Department of Agriculture, Government of Uttar Pradesh	Uttar Pradesh	30-04-2020	14,57,45,144
15	32/13/2020-SPV Division	Jharkhand Renewable Energy Development Agency	Jharkhand	19-05-2020	12,03,55,920
16	32/14/2020-SPV Division	Department of Agriculture, Govt. of Himachal Pradesh	Himachal Pradesh	30-04-2020	2,79,87,960
17	32/17/2020-SPV Division	Orissa Renewable Energy Development Agency	Odisha	01-10-2020	76,56,503
18	32/19/2020-SPV Division	Gujarat Urja Vikas Nigam Ltd	Gujarat	31-07-2020	3,95,00,000
19	32/20/2020-SPV Division	Tripura Renewable Energy Development Agency	Tripura	31-08-2020	3,96,00,000
20	32/21/2020-SPV Division	Karnataka Renewable Energy Development Ltd	Karnataka	31-08-2020	1,26,00,000
21	32/22/2020-SPV Division	Punjab Energy Development Agency	Punjab	31-08-2020	8,28,00,000

Table 10 : Private & Voluntary Organizations and State PIAs Receiving Grant of more than ₹ 50 Lakh During the year 2020-21 (up to 31.12.2020)

(A) State Project Implementing Agencies							
SI. No.	Sanction No.	Project/ Organisation	State / UT	Organization / Agency	Funds Released		Remarks
					Date	(Rs. in Lakh)	
1	5/10/2015-SHP	Preparation of 44 of DPRs by Kargil Renewable Energy Development Agency (KREDA)	UT of Ladakh	Kargil Renewable Energy Development Agency (KREDA)	20.04.2020	55.95	Release of balance amount of 2nd & final instalment of CFA
2	289/2/2017-SHP	Renovation and Modernization of Teirei SHP (3.00MW), Mamit district	Mizoram	Power and Electricity Department, Govt. of Mizoram	28.05.2020	60.04559	Release of 3rd instalment.
3	285/2/2017-SHP	Preparation of 56 DPRs by Department of Hydro Power Development (DHPD)	Arunachal Pradesh	Department of Hydro Power Development (DHPD)	02.07.2020	165.89	Release of 2nd & final instalment of CFA

4	285/17/2017-SHP	Preparation of 07 DPRs by Uttarakhand Renewable Energy Development Agency (UREDA)	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	27.08.2020	8.94937	Release of 2nd & final instalment of CFA
5	285/9/2017-SHP	Preparation of 06 DPRs by Uttarakhand Renewable Energy Development Agency (UREDA)	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	31.08.2020	7.25858	Release of 2nd & final instalment of CFA
6	285/10/2017-SHP	Preparation of 14 DPRs by Uttarakhand Renewable Energy Development Agency (UREDA)	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	14.09.2020	33.70096	Release of 2nd & final instalment of CFA
7	285/8/2017-SHP	Preparation of 11 DPRs by Uttarakhand Renewable Energy Development Agency (UREDA)	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	14.09.2020	28.53821	Release of 2nd & final instalment of CFA
8	290/23/2017-SHP	Preparation of 09 DPRs by Uttarakhand Renewable Energy Development Agency (UREDA)	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	12.10.2020	42.45	Release of 2nd & final instalment of CFA
9	285/11/2017-SHP	Preparation of 17 DPRs by Uttarakhand Renewable Energy Development Agency (UREDA)	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	12.10.2020	67.60160	Release of 2nd & final instalment of CFA



10	285/12/2017-SHP	Preparation of 14 DPRs by Uttarakhand Renewable Energy Development Agency(UREDA)	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	19.10.2020	6.39632	Release of part of 2nd & final instalment of CFA
11	289/51/2017-SHP	Renovation and Modernization of Jummagad SHP (1.2MW), Chamoli district	Uttarakhand	Uttarakhand Renewable Energy Development Agency (UREDA)	07.12.2020	70.00	Release of 2nd & 3rd instalment of CFA
Total						547.78063	

(B) Private Sector							
1	287/42/2017-SHP	Somasila SHP (8MW)	Andhra Pradesh	M/s Balaji Energy Pvt. Ltd.	29.05.2020	500.00	Release of full & final instalment of subsidy
2	287/20/2018-SHP	Gullu SHP (24.0 MW)	Chhattisgarh	M/s Chhattisgarh Hydro Power LLP	13.08.2020	250.00	Release of 2nd & final instalment of subsidy
3	287/239/2017-SHP	Goshikhurd SHP (24MW)	Maharashtra	M/s Mahati Hydro Power Vidarbha Pvt. Ltd.	13.08.2020	500.00	Release of full & final instalment of subsidy
4	287/62/2017-SHP	Kotagad SHP (3.5MW)	Himachal Pradesh	M/s Shiva Energy Resources Pvt. Ltd.	25.08.2020	200.00	Release of 2nd & final instalment of subsidy
5	287/4/2018-SHP	Somasila SHP (3.0MW)	Andhra Pradesh	M/s Balaji Energy Pvt. Ltd.	30.09.2020	300.00	Release of full & final instalment of subsidy
Total						1950.00	

Table 11 : Funds released to Implementing Agencies under “Off-Grid and Decentralized Concentrated Solar Thermal (CST) Technologies for Community Cooking, Process Heat and Space Heating & Cooling Applications in Industrial, Institutional and Commercial Establishments” Programme in 2020 - 21 (as on 31.12.2020)

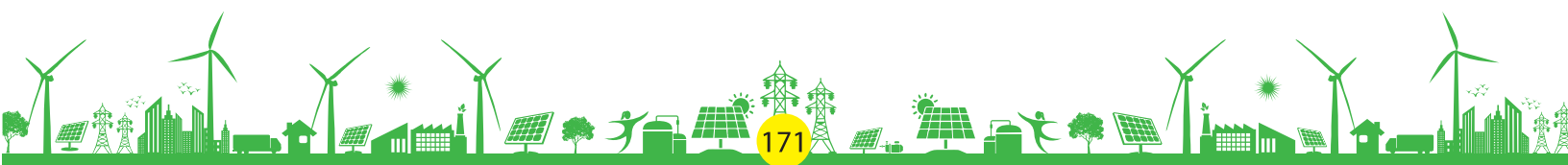
Sl. No.	Sanction Number	Agency Name	Release Date	Amount (₹)
1.	271/2/2019-CST	M/s Megawatt Solutions Pvt. Ltd.	24.07.2020	22,80,000
2.	271/5/2019-CST	M/s Megawatt Solutions Pvt. Ltd.	24.07.2020	36,00,000

Table 12 : Agency-wise and Sanction-wise details of Expenditure made under Phase-II of the RTS Programme (as on 31.12.2020)

Sl. No.	Agency details as per pfms	Sanction Number	Sanction Date	Amount in ₹
1	Dakshin Haryana Bijli Vitran Nigam	318/24/2020-Grid Connected Rooftop	31-08-2020	2,74,68,000
2	Executive Engineer, Electricity Operation Division No.2, U.T., Chandigarh	318/15/2020-Grid Connected Rooftop	23-06-2020	84,60,000
3	Kanpur Electricity Supply Company Ltd.	318/25/2020-Grid Connected Rooftop	11-11-2020	91,20,000
4	Madhya Pradesh Paschim Kshetra Vidyut Vitaran Co Ltd.	318/40/2020-Grid Connected Rooftop	14-12-2020	3,10,13,400
5	Madhya Pradesh Poorv Kshetra Vidyut Vitra Co Ltd	318/40/2020-Grid Connected Rooftop - Part(1)	29-12-2020	1,34,75,400
6	Madhyanchal Vidyut Vitran Nigam Ltd	318/25/2020-Grid Connected Rooftop	13-11-2020	4,33,20,000
7	Northern Power Distribution Co of Telengana Ltd	318/19/2020-Grid Connected Rooftop-Part(1)	31-12-2020	1,26,00,000
8	Northern Power Distribution Co of Telengana Ltd	318/19/2020-Grid Connected Rooftop-Part(1)	26-08-2020	46,80,000
9	Paschim Gujarat Vij Co Ltd	318/69/2019-Grid Connected Rooftop	21-04-2020	78,52,475
10	Punjab State Power Corp Ltd	318/19/2020-Grid Connected Rooftop	24-07-2020	3,33,00,000
11	Purvanchal Vidyut Vitaran Nigam Ltd	318/25/2020-Grid Connected Rooftop	23-11-2020	2,28,00,000
12	South Bihar Power Distribution Co Ltd	318/32/2020-Grid Connected Rooftop	15-10-2020	89,47,800
13	Southern Power Distribution Co of Telengana Ltd	318/19/2020-Grid Connected Rooftop-Part(1)	31-12-2020	5,04,00,000
14	Southern Power Distribution Co of Telengana Ltd	318/19/2020-Grid Connected Rooftop-Part(1)	26-08-2020	3,36,33,600
15	Uttar Haryana Bijli Vitran Nigam	318/24/2020-Grid Connected Rooftop	31-08-2020	1,37,34,000
16	Uttarakhand Power Corp. Ltd	318/26/2020-Grid Connected Rooftop	31-08-2020	3,52,08,000

Table 13 : Agency-wise and Sanction-wise details of Expenditure made under Phase I of the Rooftop Solar Programme (as on 31.12.2020)

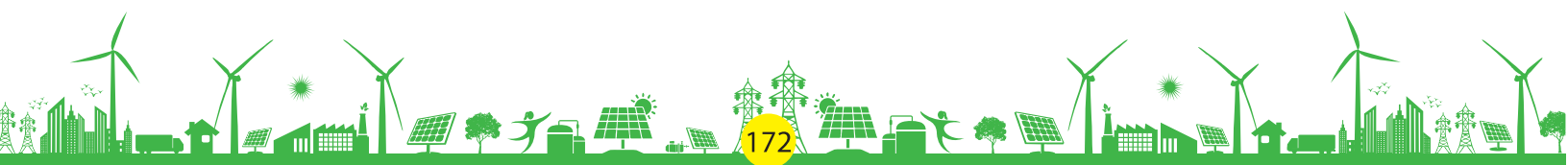
Sl. No.	Agency details as per PFMS	Sanction Number	Sanction Date	Amount (₹)
1	Central Electronics Ltd	318/15/2017-Grid Connected Rooftop-Part(I)	30-06-2020	2,87,33,121
2	Central Electronics Ltd	318/53/2018-Grid Connected Rooftop-Part(5)	12-10-2020	3,56,69,415
3	Central Electronics Ltd	318/15/2017-Grid Connected Rooftop-Part(I)	08-04-2020	1,73,76,482
4	Delhi Metro Rail Corp.	318/51/2018-Grid Connected Rooftop	30-04-2020	6,20,82,153
5	Gujarat Industries Power Co. Ltd	318/50/2019-Grid Connected Rooftop	31-07-2020	3,08,517
6	Indian SME Technology Services Ltd	318/20/2018-Grid Connected Rooftop-Part(3)	27-10-2020	2,63,29,108
7	I Indian SME Technology Services Ltd	318/15/2017-Grid Connected Rooftop-Part(4)	31-12-2020	15,22,37,470
8	Indraprastha Power Generation Co. Ltd	318/20/2018-Grid Connected Rooftop-Part(7)	02-11-2020	6,32,10,007
9	Indraprastha Power Generation Co. Ltd	318/68/2019-GCRT	10-04-2020	14,74,27,824
10	Jammu & Kashmir Energy Development Agency	318/53/2018-Grid Connected Rooftop-Part(2)	09-04-2020	4,89,12,192
11	Maharashtra Energy Development Agency	318/35/2017-Grid Connected Rooftop	24-12-2020	18,08,17,330
12	Maharashtra Energy Development Agency	318/20/2018-Grid Connected Rooftop	29-12-2020	36,97,95,573
13	Manipur Renewable Energy Development Agency	318/19/2019-Grid Connected Rooftop	23-07-2020	4,03,18,600
14	New & Renewable Energy Development Corp. of Andhra Pradesh Ltd.	318/61/2019-Grid Connected Rooftop	30-04-2020	19,88,80,251
15	New & Renewable Energy Development Corp. of Andhra Pradesh Ltd.	318/20/2018-Grid Connected Rooftop-Part(5)	20-04-2020	7,92,17,861
16	Noida Metro Rail Corp. Ltd	318/14/2020-Grid Connected Rooftop	28-05-2020	8,74,49,999
17	Northern Railways	318/61/2018-Grid Connected Rooftop	21-04-2020	3,68,37,000
18	Punjab Energy Development Agency	318/22/2018-GCRT	22-06-2020	3,54,07,320
19	Rajasthan Electronics & Instruments Ltd	318/75/2019-Grid Connected Rooftop	02-06-2020	2,89,30,845
20	Rajasthan Electronics & Instruments Ltd	318/22/2019-Grid Connected Rooftop	11-08-2020	7,01,55,169



21	Rajasthan Electronics & Instruments Ltd	318/75/2019-Grid Connected Rooftop	28-08-2020	2,91,29,303
22	Rajasthan Renewable Energy Corporation Ltd	318/338/2017-Grid Connected Rooftop	09-04-2020	11,59,66,395
23	Solar Energy Corp. of India Ltd	318/234/2017-Grid Connected Rooftop	31-08-2020	8,88,90,564
24	Solar Energy Corp. of India Ltd	318/234/2017-GCRT	29-10-2020	22,54,34,089
25	Solar Energy Corp. of India Ltd	318/234/2017-GCRT	16-04-2020	21,54,87,730
26	Tamil Nadu Energy Development Agency	318/212/2017-Grid Connected Rooftop	29-12-2020	4,41,39,692
27	Telangana New & Renewable Energy Development Corp. Ltd	318/77/2018-Grid Connected Rooftop	26-08-2020	5,88,15,614
28	Telangana New & Renewable Energy Development Corp. Ltd	318/53/2018-Grid Connected Rooftop-Part(4)	31-07-2020	4,64,83,125
29	Uttar Pradesh New and Renewable Energy Development Agency	318/89/2018-Grid Connected Rooftop	23-12-2020	7,15,36,340
30	Uttarakhand Renewable Energy Development Agency	318/30/2017-Grid Connected Rooftop	31-12-2020	1,03,09,659

Table 14 : Funds release to Implementing Agencies under New National Biogas Organic Manure Programme (NNBOMP) & Biogas Power (Off-grid) Generation and Thermal Programme (BPGTP) for the FY 2020-21 as on 07.01.2021

Sl. No.	Executing Agency	Amount (₹) released by MNRE upto 7.1.2021
1.	State Nodal Officer FDA-cum-Addl. Principal Chief Conservator of Forests, Social Forestry, Assam, Guwahati	2,90,00,000
2.	Directorate of Agriculture, State Govt. of Goa	5,70,350
3.	Madhya Pradesh State Agro Industries Development Corp. Ltd (MPSAIDC), Bhopal	4,80,76,015
4.	Meghalaya Non-conventional & Rural Energy Development Agency (MNREDA), Shillong	10,00,000
5.	Rural Development Department, Govt. of Maharashtra, Mumbai	2,10,00,000
6.	Directorate of Rural Development, Govt. of Andaman & Nicobar Island (Union Territory)	6,00,000
7.	National Dairy Development Board, Anand (Gujarat)	1,20,00,000
8.	New & Renewable Energy Development Corp. of Andhra Pradesh, Tadepalli, Guntur District, Andhra Pradesh	5,50,47,862
9.	Odisha Renewable Energy Development Agency, Bhubaneswar, Odisha	9,72,000



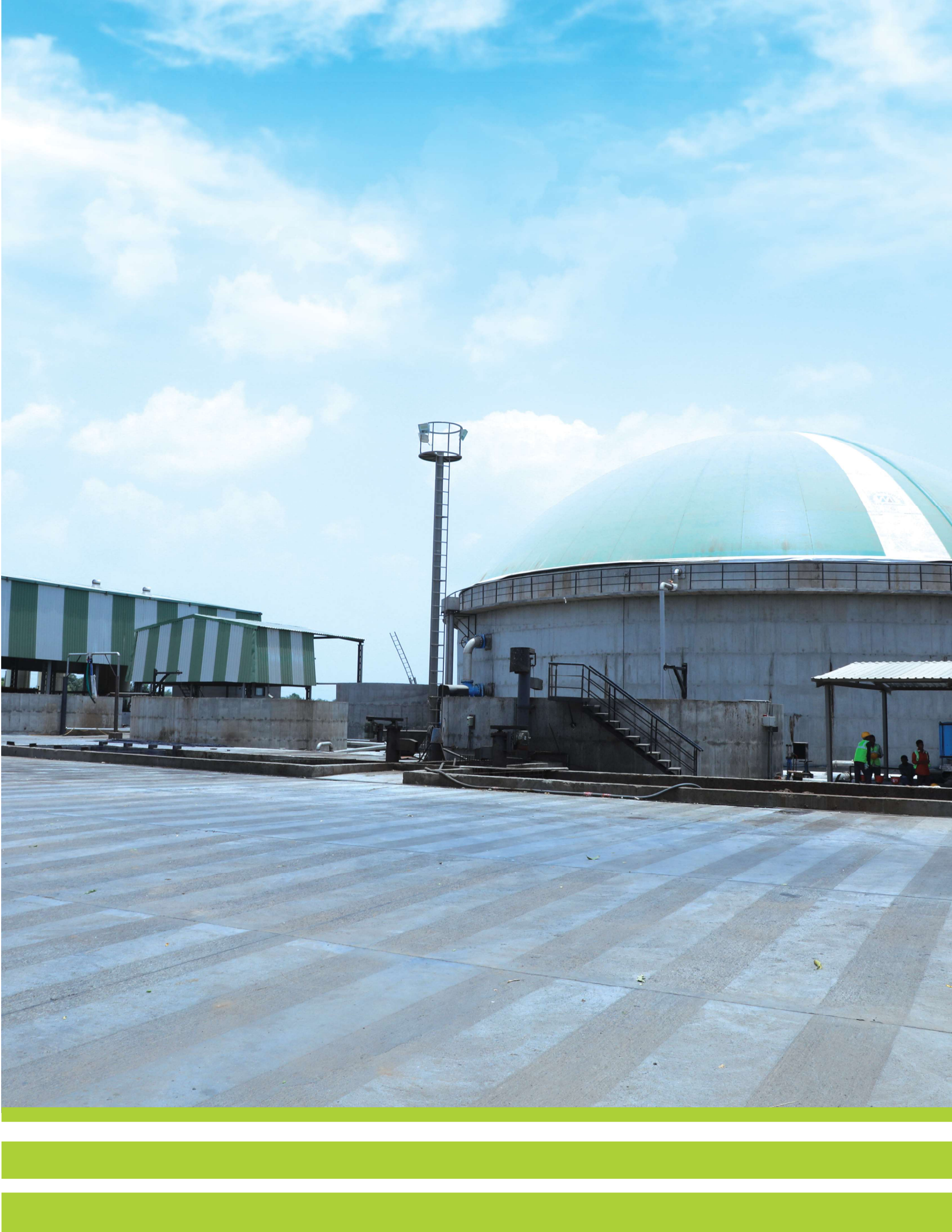
10.	Punjab Energy Development Agency (PEDA), Chandigarh	2,86,36,737
11.	Rural Development Department, Pauri, Govt. of Uttrakhand	30,00,000
12.	Rural Development and Panchayat Raj Department, Govt. of Karnataka, Bangalore, Karnataka	4,20,00,000
13.	Directorate of Agricultural, Development and Farmers Welfare, Thiruvananthapuram, Kerala	48,00,000
14.	Khadi a Village Industries Commission (KVIC), Mumbai	30,00,000
15.	Uttar Pradesh New and Renewable Energy Development Agency (UPNEDA), Lucknow	35,37,200
16.	BDTC, UAS, Bengaluru	44,94,636
17.	BDTC, TNAU, Coimbatore	36,22,386
18.	GEDA, Gandinagar, Gujarat	17,00,000
19.	BDTC, IIT Guwahati	21,27,724
20.	BDTC, KIIT, Bhubaneswar	26,12,724
21.	BDTC, CESR, Indore	23,50,224
22.	BDTC, MPUAT, Udipur	22,23,312
	Total	27,23,71,170

Table 15 : Private and Voluntary Organizations received Grant of more than Rs. 10 Lakhs under Research and Development Programme During 2020-21 (as on 31.12.2020)

S. No.	Sanction Number	Project Organizations name	State	Fund Released	
				Date	Amount (in ₹)
1	31/8/2019-Solar R&D	Uttaranchal University, Dehradun	Uttrakhand	29.04.2020	30,00,000

Table 16 : Academic Institutions received Grant of Rs.10 Lakh or more under Hydrogen and Fuel Cell Programme during the year 2020-21 (as on 20.01.2021)

S.No.	Name	Fund Released (₹)
1	Yogi Vemena University (YVU), Kadapa & Central Electro-Chemical Research Institute (CECRI), Karaikudi	10,00,000
2	Dayalbagh Educational Institute	2,00,00,000
3	Indian Institute of Science, Bengaluru	80,00,000





Sharad



Ministry of New and Renewable Energy
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