

MINISTRY OF POWER

DEMAND NO. 79

Ministry of Power*(In ₹ crores)*

	Actual 2022-2023			Budget 2023-2024			Revised 2023-2024			Budget 2024-2025		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
Gross	10210.44	23.11	10233.55	21794.52	16.80	21811.32	18580.53	1943.72	20524.25	20700.50	1086.50	21787.00
Recoveries	-920.57	...	-920.57	-1140.00	...	-1140.00	-1070.00	...	-1070.00	-1285.00	...	-1285.00
Receipts	...	...	...	...	...	...	...	-1819.25	-1819.25	...	...	...
Net	9289.87	23.11	9312.98	20654.52	16.80	20671.32	17510.53	124.47	17635.00	19415.50	1086.50	20502.00
A. The Budget allocations, net of recoveries and receipts, are given below:												
CENTRE'S EXPENDITURE												
Establishment Expenditure of the Centre												
1. Secretariat	52.67	...	52.67	57.13	3.59	60.72	62.46	3.54	66.00	69.14	4.18	73.32
	-0.01	...	-0.01	...	...	...	...	...	...	...	...	...
<i>Net</i>	<i>52.66</i>	<i>...</i>	<i>52.66</i>	<i>57.13</i>	<i>3.59</i>	<i>60.72</i>	<i>62.46</i>	<i>3.54</i>	<i>66.00</i>	<i>69.14</i>	<i>4.18</i>	<i>73.32</i>
2. Statutory Authorities												
2.01 Central Electricity Authority	124.19	...	124.19	132.84	2.20	135.04	139.00	1.92	140.92	150.26	2.64	152.90
2.02 Setting up of Joint Electricity Regulatory Commission (JERC) for UTs and Goa	12.00	...	12.00	13.50	...	13.50	12.50	...	12.50	14.75	...	14.75
2.03 Setting up of Joint Electricity Regulatory Commission (JERC) for J&K and Ladakh	...	...	...	...	...	...	3.75	...	3.75	3.94	...	3.94
2.04 Appellate Tribunal for Electricity	33.80	...	33.80	40.66	...	40.66	35.00	...	35.00	42.00	0.75	42.75
2.05 Central Electricity Regulatory Commission (CERC) Fund	135.00	...	135.00	140.00	...	140.00	170.00	...	170.00	85.00	...	85.00
2.06 Less- Amount met from CERC Fund	-139.02	...	-139.02	-140.00	...	-140.00	-170.00	...	-170.00	-85.00	...	-85.00
<i>Net</i>	<i>165.97</i>	<i>...</i>	<i>165.97</i>	<i>187.00</i>	<i>2.20</i>	<i>189.20</i>	<i>190.25</i>	<i>1.92</i>	<i>192.17</i>	<i>210.95</i>	<i>3.39</i>	<i>214.34</i>
Total-Establishment Expenditure of the Centre	218.63	...	218.63	244.13	5.79	249.92	252.71	5.46	258.17	280.09	7.57	287.66
Central Sector Schemes/Projects												
Conservation and Energy Efficiency												
3. Energy Conservation Schemes												
3.01 Energy Conservation	...	...	...	30.90	...	30.90	26.32	...	26.32	25.00	...	25.00
Integrated Power Development Scheme												
4. Integrated Power Development Scheme												
4.01 Deduct Recoveries	-177.06	...	-177.06	...	...	...	...	...	...	...	...	...

(In ₹ crores)

	Actual 2022-2023			Budget 2023-2024			Revised 2023-2024			Budget 2024-2025		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
Strengthening of Power Systems												
5. <i>Strengthening of Power Systems</i>												
5.01 Smart Grids	25.77	...	25.77	14.62	...	14.62	14.62	...	14.62	...	...	...
5.02 Green Energy Corridors	...	13.11	13.11	...	1.00	1.00	...	0.01	0.01	...	1.00	1.00
5.03 Interest Subsidy to National Electricity Fund	582.89	...	582.89	500.00	...	500.00	538.00	...	538.00	500.00	...	500.00
5.04 Power System Improvement in North Eastern States excluding Arunachal Pradesh and Sikkim (Program Component)	459.71	...	459.71	517.05	...	517.05	312.56	...	312.56	600.00	...	600.00
5.05 Power System Improvement in North Eastern States excluding Arunachal Pradesh and Sikkim (EAP Component)	361.06	...	361.06	469.95	...	469.95	287.44	...	287.44	0.01	...	0.01
5.06 Strengthening of Transmission System in the States of Arunachal Pradesh and Sikkim	1100.71	...	1100.71	1400.00	...	1400.00	1409.00	...	1409.00	1315.01	...	1315.01
<i>Total- Strengthening of Power Systems</i>	<i>2530.14</i>	<i>13.11</i>	<i>2543.25</i>	<i>2901.62</i>	<i>1.00</i>	<i>2902.62</i>	<i>2561.62</i>	<i>0.01</i>	<i>2561.63</i>	<i>2415.02</i>	<i>1.00</i>	<i>2416.02</i>
Power System Development Fund												
6. <i>Power System Development Fund</i>												
6.01 Transfer to Power System Development Fund (PSDF)	604.48	...	604.48	1000.00	...	1000.00	900.00	...	900.00	1200.00	...	1200.00
6.02 Scheme for Power System Development	326.75	...	326.75	547.38	...	547.38	360.50	...	360.50	747.38	...	747.38
6.03 Payment of interest for loan	451.17	...	451.17	452.62	...	452.62	539.50	...	539.50	452.62	...	452.62
6.04 Less-Amount met from Power System Development Fund	-604.48	...	-604.48	-1000.00	...	-1000.00	-900.00	...	-900.00	-1200.00	...	-1200.00
<i>Net</i>	<i>777.92</i>	<i>...</i>	<i>777.92</i>	<i>1000.00</i>	<i>...</i>	<i>1000.00</i>	<i>900.00</i>	<i>...</i>	<i>900.00</i>	<i>1200.00</i>	<i>...</i>	<i>1200.00</i>
7. <i>Reform Linked Distribution Scheme</i>												
7.01 Reform Linked Distribution Scheme	2738.43	...	2738.43	12071.60	...	12071.60	10400.00	...	10400.00	12585.00	...	12585.00
8. Scheme for Promoting Energy Efficiency activities in different sectors of Indian Economy	...	...	...	103.80	...	103.80	33.56	...	33.56	40.00	...	40.00
9. Viability Gap Funding for development of Battery Energy Storage Systems	...	...	...	...	...	...	0.01	...	0.01	96.00	...	96.00
Total-Central Sector Schemes/Projects	5869.43	13.11	5882.54	16107.92	1.00	16108.92	13921.51	0.01	13921.52	16361.02	1.00	16362.02
Other Central Sector Expenditure												
Autonomous Bodies												
10. <i>Training and Research</i>												
10.01 Central Power Research Institute	174.96	...	174.96	208.00	...	208.00	150.00	...	150.00	180.00	...	180.00
10.02 National Power Training Institute	14.35	...	14.35	35.00	...	35.00	35.00	...	35.00	50.00	...	50.00
<i>Total- Training and Research</i>	<i>189.31</i>	<i>...</i>	<i>189.31</i>	<i>243.00</i>	<i>...</i>	<i>243.00</i>	<i>185.00</i>	<i>...</i>	<i>185.00</i>	<i>230.00</i>	<i>...</i>	<i>230.00</i>
11. <i>Conservation and Energy Efficiency</i>												
11.01 Bureau of Energy Efficiency (Program Component)	77.16	...	77.16	...	...	...	...	...	...	...	...	...
Total-Autonomous Bodies	266.47	...	266.47	243.00	...	243.00	185.00	...	185.00	230.00	...	230.00
Public Sector Undertakings												

(In ₹ crores)

	Actual 2022-2023			Budget 2023-2024			Revised 2023-2024			Budget 2024-2025		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
12. Assistance to CPSUs												
12.01 Central Assistance for Pakul Dul HEP under J and K PMDP 2015 as grant to Chenab Valley Power Projects Private Limited (CVPPPL)	424.92	...	424.92	1448.00	...	1448.00	604.22	...	604.22	...	568.68	568.68
12.02 GoI fully serviced bond issue expenditure and interest (PFC bonds)	376.39	...	376.39	376.40	...	376.40	376.40	...	376.40	376.40	...	376.40
12.03 GoI fully serviced bond issue expenditure and interest (REC Bonds)	1944.58	...	1944.58	1945.56	...	1945.56	1945.56	...	1945.56	1943.59	...	1943.59
12.04 Reimbursement of Claim for any expenditure already incurred by NTPC on Lohari Nagpala Hydro Power	157.40	...	157.40	104.40	...	104.40	36.12	...	36.12	80.40	...	80.40
12.05 Grant towards cost of downstream protection work of Subansiri Lower Project (NHPC)	3.98	...	3.98	56.98	...	56.98	56.98	...	56.98	51.98	...	51.98
Total- Assistance to CPSUs	2907.27	...	2907.27	3931.34	...	3931.34	3019.28	...	3019.28	2452.37	568.68	3021.05
13. Issue of Bonus Shares												
13.01 National Thermal Power Corporation	...	...	...	...	...	...	...	957.72	957.72	...	...	...
13.02 Power Grid Corporation of India Limited	...	...	...	...	...	...	...	861.53	861.53	...	...	...
13.03 Miscellaneous Capital Receipts	...	...	...	...	...	...	...	-1819.25	-1819.25	...	...	...
<i>Net</i>	...	...	...	...	...	...	...	...	...	...	...	...
Total-Public Sector Undertakings	2907.27	...	2907.27	3931.34	...	3931.34	3019.28	...	3019.28	2452.37	568.68	3021.05
Others												
14. Advance Ultra Super Critical plant in Sipat, Chattisgarh	...	...	...	0.01	...	0.01	0.01	...	0.01	...	...	...
15. Payment to SDMC- Badarpur Thermal Power Station	16.08	...	16.08	16.08	...	16.08	6.00	...	6.00	...	...	...
16. Support for cost of enabling infrastructure i.e Roads/ Bridge etc	...	...	...	...	10.00	10.00	...	10.00	10.00	...	60.00	60.00
17. Support for flood moderation storage- Hydro electric projects	...	10.00	10.00	...	0.01	0.01	...	109.00	109.00	...	449.25	449.25
18. Creation of a Central Transmission Utility (CTU)	...	...	...	0.01	...	0.01	0.01	...	0.01	...	...	...
19. Payment Pertaining to International Arbitration Case	11.99	...	11.99	12.00	...	12.00	22.00	...	22.00	12.01	...	12.01
20. Manufacturing Zones under Atmanirbhar Bharat Package	...	...	...	100.00	...	100.00	40.00	...	40.00	80.00	...	80.00
21. Subsidy to Indian Shipping Companies	...	...	...	0.01	...	0.01	0.01	...	0.01	...	...	...
22. Additional fund for PMRP (J&K)	...	...	...	0.01	...	0.01	64.00	...	64.00	0.01	...	0.01
23. Viability Gap Funding	...	...	...	0.01	...	0.01	...	...	...	...	...	...
Total-Others	28.07	10.00	38.07	128.13	10.01	138.14	132.03	119.00	251.03	92.02	509.25	601.27
Total-Other Central Sector Expenditure	3201.81	10.00	3211.81	4302.47	10.01	4312.48	3336.31	119.00	3455.31	2774.39	1077.93	3852.32
Grand Total	9289.87	23.11	9312.98	20654.52	16.80	20671.32	17510.53	124.47	17635.00	19415.50	1086.50	20502.00
B. Developmental Heads												

(In ₹ crores)

	Actual 2022-2023			Budget 2023-2024			Revised 2023-2024			Budget 2024-2025		
	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total	Revenue	Capital	Total
Economic Services												
1. Power	9237.21	...	9237.21	17003.29	...	17003.29	14399.07	...	14399.07	16173.34	...	16173.34
2. Secretariat-Economic Services	52.66	...	52.66	57.13	...	57.13	62.46	...	62.46	69.14	...	69.14
3. Capital Outlay on Power Projects	...	23.11	23.11	...	16.80	16.80	...	124.47	124.47	...	517.82	517.82
4. Loans for Power Projects	...	...	...	...	...	...	...	...	...	...	568.68	568.68
Total-Economic Services	9289.87	23.11	9312.98	17060.42	16.80	17077.22	14461.53	124.47	14586.00	16242.48	1086.50	17328.98
Others												
5. North Eastern Areas	...	...	...	3594.10	...	3594.10	3049.00	...	3049.00	3173.02	...	3173.02
Total-Others	...	...	...	3594.10	...	3594.10	3049.00	...	3049.00	3173.02	...	3173.02
Grand Total	9289.87	23.11	9312.98	20654.52	16.80	20671.32	17510.53	124.47	17635.00	19415.50	1086.50	20502.00

	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total
C. Investment in Public Enterprises												
Power System Operation Corporation Limited												
1. Power System Operation Corporation Limited	...	68.32	68.32	...	67.00	67.00	...	124.00	124.00	...	30.00	30.00
Total-Power System Operation Corporation Limited	...	68.32	68.32	...	67.00	67.00	...	124.00	124.00	...	30.00	30.00
National Hydro Electric Power Corporation Limited												
2. National Hydro Electric Power Corporation Limited	...	6464.85	6464.85	...	10857.22	10857.22	...	9006.31	9006.31	...	11193.19	11193.19
Total-National Hydro Electric Power Corporation Limited	...	6464.85	6464.85	...	10857.22	10857.22	...	9006.31	9006.31	...	11193.19	11193.19
Damodar Valley Corporation Limited												
3. Damodar Valley Corporation Limited	...	2055.37	2055.37	...	2708.00	2708.00	...	2708.00	2708.00	...	3262.00	3262.00
Total-Damodar Valley Corporation Limited	...	2055.37	2055.37	...	2708.00	2708.00	...	2708.00	2708.00	...	3262.00	3262.00
North Eastern Electric Power Corporation Limited												
4. North Eastern Electric Power Corporation Limited	...	849.45	849.45	...	2018.59	2018.59	...	1150.02	1150.02	...	1841.18	1841.18
Total-North Eastern Electric Power Corporation Limited	...	849.45	849.45	...	2018.59	2018.59	...	1150.02	1150.02	...	1841.18	1841.18
Satluj Jal Vidyut Nigam Limited												
5. Satluj Jal Vidyut Nigam Limited	...	8239.70	8239.70	...	10000.00	10000.00	...	10000.00	10000.00	...	12000.00	12000.00
Total-Satluj Jal Vidyut Nigam Limited	...	8239.70	8239.70	...	10000.00	10000.00	...	10000.00	10000.00	...	12000.00	12000.00
Tehri Hydro Development Corporation Limited												
6. Tehri Hydro Development Corporation Limited	...	4615.02	4615.02	...	3900.41	3900.41	...	4877.22	4877.22	...	3440.96	3440.96
Total-Tehri Hydro Development Corporation Limited	...	4615.02	4615.02	...	3900.41	3900.41	...	4877.22	4877.22	...	3440.96	3440.96
Power Grid Corporation of India Limited												
7. Power Grid Corporation of India	...	8850.00	8850.00	...	8800.00	8800.00	...	8800.00	8800.00	...	12250.00	12250.00

	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total	Budget Support	IEBR	Total
Limited												
Total-Power Grid Corporation of India Limited Rural Electrification Corporation	...	8850.00	8850.00	...	8800.00	8800.00	...	8800.00	8800.00	...	12250.00	12250.00
8. Rural Electrification Corporation
Total-Rural Electrification Corporation National Thermal Power Corporation Limited
9. National Thermal Power Corporation Limited	...	26241.29	26241.29	...	22454.00	22454.00	...	22454.00	22454.00	...	22700.00	22700.00
Total-National Thermal Power Corporation Limited Chenab Valley Power Projects Limited	...	26241.29	26241.29	...	22454.00	22454.00	...	22454.00	22454.00	...	22700.00	22700.00
10. Chenab Valley Power Projects Limited	568.68	...	568.68
Total-Chenab Valley Power Projects Limited	568.68	...	568.68
Total	...	57384.00	57384.00	...	60805.22	60805.22	...	59119.55	59119.55	568.68	66717.33	67286.01

1. **Secretariat:** Provision is made for expenditure on establishment matters of the Secretariat of the Ministry of Power.

2.01. **Central Electricity Authority:** The Central Electricity Authority (CEA) as a statutory organization is responsible for overall power sector planning, coordination, according concurrence to hydro-electric schemes, promoting and assisting the timely completion of projects, specifying technical standards and safety requirements, Grid Standards and conditions for installation of meters applicable to the Power Sector of the country.

2.02. **Setting up of JERC for UTs and Goa:** The Central Government has set up a Joint Electricity Regulatory Commission (JERC) for Goa and all Union Territories except Delhi. Expenditure of the Joint Commission is borne by the Central Government and the Government of Goa in the ratio of 6:1.

2.03. **Setting up of Joint Electricity Regulatory Commission (JERC) for J&K and Ladakh:** The Central Government has set up a joint electricity regulatory commission (JERC) for UT of Jammu & Kashmir and Ladakh.

2.04. **Appellate Tribunal for Electricity:** Under the provisions of Electricity Act, 2003, the Central Government has set up the Appellate Tribunal for Electricity. It hears appeals against the orders of the adjudicating officer or the Appropriate Commissions under the Electricity Act, 2003. Under the provisions of the Petroleum and Natural Gas Regulatory Board Act, 2006, APTEL is the Appellate Tribunal for the purpose of that Act.

2.05. **Central Electricity Regulatory Commission (CERC) Fund:** CERC is a statutory body constituted under the provision of the erstwhile Electricity Regulatory Commissions Act, 1998 and continued under Electricity Act, 2003 (which has since repealed inter alia the ERC Act, 1998). The main functions of the CERC are to regulate the tariff of generating companies owned or controlled by the Central Government, to regulate the tariff of generating companies other than those owned or controlled by the Central Government, if such generating companies enter into or otherwise have a composite scheme for generation and sale of

electricity in more than one State, to regulate the inter-State transmission of energy including tariff of the transmission utilities, to grant licences for inter-State transmission and trading and to advise the Central Government in formulation of National Electricity Policy and Tariff Policy.

3.01. **Energy Conservation:** The funds would be utilized for (i) carrying out awareness creation on Energy Conservation through print, electronic and other media for general public, (ii) Continuation of EC awards and painting competition on Energy Conservation, (iii) implementation of the National Mission for Enhanced Energy Efficiency (NMEEE) and (iv) the upscaling of the efforts to create and sustain market for energy efficiency to unlock investments. (v) Shields and certificates are given by MoP to generating stations, transmission and distribution utilities and rural distribution franchise for recognising meritorious performance in operation, project management and environmental protection.

5.02. **Green Energy Corridors:** The scheme is proposed for maximization of renewable energy generation and integration with the main grid without compromising on the security and stability of power system.

5.03. **Interest Subsidy to National Electricity Fund:** The National Electricity Fund (NEF) is being set up to provide interest subsidy on loans to be disbursed to the Distribution Companies (DISCOMS) both in the Public and Private Sector, to improve the distribution network for areas not covered by RGGVY and R-APDRP scheme (since subsumed in DDUGJY and IPDS respectively) Project areas.

5.04. **Power System Improvement in North Eastern States excluding Arunachal Pradesh and Sikkim (Program Component):** The project is for Power System Improvement in six NER states viz. Assam, Manipur, Meghalaya, Mizoram, Tripura and Nagaland. It is funded by the World Bank. Intra-State Transmission & Distribution projects for Sikkim & Arunachal Pradesh have been segregated for implementation through budgetary support from Government of India in view of these States having sensitive borders.

5.06. **Strengthening of Transmission System in the States of Arunachal Pradesh and Sikkim:** A comprehensive scheme for strengthening of transmission, sub-transmission and distribution system in the entire NER including Sikkim has been conceptualized.

6. **Power System Development Fund:** The scheme envisages (a) strengthening of existing distribution and transmission infrastructure by part-funding through Grants.(Non-Gas component) (b) Provision for subsidy to DISCOMS purchasing electricity from stranded Gas based Power Plants (Gas component).

7. **Reform Linked Distribution Scheme:** The scheme is for distribution sub-sector as a mix of results and reforms based financial support with an objective of ensuring 24X7 sustainable power for all and a financially viable distribution sector. The scheme envisages support to DISCOMS in case of adoption of reform packages including public private ownership of distribution companies, adoption of various franchisee models at distribution level including multiple supply franchises.

Government of India has initiated the scheme Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan (PM - JANMAN) with effect from financial year 2023-24 for the development and welfare of most vulnerable sections among tribal people. Accordingly, dedicated provision has been made amounting to ₹ 50 crore in RE 2023-24 and ₹ 225 crore in BE 2024-25 as the central share of funds for effective implementation of PM - JANMAN under Reform Linked Distribution Scheme.

8. **Scheme for Promoting Energy Efficiency activities in different sectors of Indian Economy:** Funds are provided to Bureau of Energy Efficiency (BEE) for implementation of various energy efficiency initiatives in the areas of household lighting, commercial buildings, Standards & Labeling appliances, Demand Side Management in Agriculture or Municipalities, SMEs and large industries including the initiation of the process for development of Energy Consumption norms for industrial sub-sectors, capacity building of SDAs, DISCOMS etc.

9. **Viability Gap Funding for development of Battery Energy Storage Systems:** A scheme for development of Pump Storage Plants and Battery Energy Storage Systems. The objective is development of a financially viable Grid-scale Long duration energy storage and to enable deployment renewable energy, of energy storage services, integration of larger amount of renewable energy.

10.01. **Central Power Research Institute:** Central Power Research Institute, Bengaluru serves as a National Laboratory for applied research in the field of electrical power and also functions as an independent authority for testing, evaluation and certification of electrical equipment and components.

10.02. **National Power Training Institute:** National Power Training Institute is engaged in imparting training in various aspects of power sector including operation and maintenance of power stations.

11. **Conservation and Energy Efficiency:** Funds are provided to Bureau of Energy Efficiency (BEE) for implementation of various energy efficiency initiatives in the areas of household lighting, commercial buildings, Standards & Labeling appliances, Demand Side Management in Agriculture or Municipalities, SMEs and large industries including the initiation of the process for development of Energy Consumption norms for industrial sub-sectors, capacity building of SDAs, DISCOMS etc.

12.01. **Central Assistance for Pakul Dul HEP under J and K PMDP 2015 as grant to Chenab Valley Power Projects Private Limited (CVPPPL):** It is part of Prime Minister development package(2015), the assistance is for the Pakul Dul HEP implemented through joint venture with Chenab Valley Power project Pvt limited.

12.02. **GoI fully serviced bond issue expenditure and interest (PFC bonds):** The allocation is required for expenses and on the issue of Bonds, interest payable on infrastructure bonds raise by Power Finance Corporation (PFC).

12.03. **GoI fully serviced bond issue expenditure and interest (REC Bonds):** Interest payment on account of EBR of Rs 4000 cr raised during FY 2017-18 and Rs 15000 crore to raised during FY 2018-19 for DDUGJY & Saubhagaya (Rural).

12.04. **Reimbursement of Claim for any expenditure already incurred by NTPC on Lohari Nagpala Hydro Power:** The scheme is for distribution of award in respect of Lohari Nag Pala Hydro Power Project.

12.05. **Grant towards cost of downstream protection work of Subansiri Lower Project (NHPC):** Expenditure on Downstream protection work of Subansiri Lower project (NHPC). As per decision taken in the meeting in NITI Aayog held on 24.09.2019, the cost of downstream protection work of Subansiri Lower project is to be borne by the Government of India.

16. **Support for cost of enabling infrastructure i.e Roads/ Bridge etc:** Allocation for developing enabling infrastructure such as Roads, Bridges etc at site of Hydro Project.

17. **Support for flood moderation storage- Hydro electric projects:** Allocation for support for Flood moderation storage at Hydro electric projects.

19. **Payment Pertaining to International Arbitration Case:** Payment to Law firm under the India Korea CEPA and India Korea BIT for defending case and dispute on behalf of GoI.

20. **Manufacturing Zones under Atmanirbhar Bharat Package:** This scheme is for setting up of 3 manufacturing Zones for Power and Renewable equipment to be set up in 3 different States. The manufacturing facilities in the zones shall be based on cutting edge, clean and energy efficient technology for minimizing dependency on import of equipment, critical components, basic raw material, critical spares etc. required for Power sector and renewable.

21. **Subsidy to Indian Shipping Companies:** To promote the objective of Atmanirbhar Bharat, the Government of India approved a scheme for five years as subsidy support to Indian Shipping Companies in Global tenders floated by Ministries/Departments and CPSEs for import of Government cargo.

22. **Additional fund for PMRP (J&K):** It is part of Prime Minister development package(2015) , The project has been identified for completion of projects relating to transmission and distribution network approved under Prime Minister Restructuring Package (PMRP2004).