



**COMMITTEE ON PUBLIC UNDERTAKINGS**

**SIXTIETH REPORT**

**FIFTEENTH ASSEMBLY**

**REPORT ON THE STUDY TOUR TO UNION  
TERRITORY OF JAMMU & KASHMIR AND  
ANDAMAN NICOBAR ISLANDS REGARDING  
POWER AND TOURISM DEPARTMENT W.E.F.  
16<sup>TH</sup> NOVEMBER to 24<sup>TH</sup> NOVEMBER, 2021**

**Presented to the House on 24<sup>th</sup> December, 2021**

**ASSAM LEGISLATIVE ASSEMBLY SECRETARIAT**

**DISPUR :: GUWAHATI-6**

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## INTRODUCTION

I, the Chairman, Committee on Public Undertakings, Assam Legislative Assembly having been so authorised by the Committee on their behalf present this 60<sup>th</sup> Report.

(1) As a part of the study tour, the Committee had taken two departments viz. Power and Tourism and as such selected Union Territory of Jammu & Kashmir for power and Andaman Nicobar Islands for Tourism sector.

(2) The observations and recommendations of the Committee have been incorporated in this Report.

(3) The Report was considered and adopted by the Committee in its meeting held on 21<sup>th</sup> December, 2021.

(4) The Committee placed on records its thanks to the officers of Jammu & Kashmir Legislative Assembly, Power Development Department of J&K, Jammu and Kashmir State Power Development Corporation (JKSPDC), and Jammu and Kashmir Power Transmission Corporation Ltd (JKPTCL) and officials of Andaman Nicobar Islands engaged with the Committee during the study tour.

Sd/-

Dispur

The 21<sup>th</sup> December, 2021

(Ramendra Narayan Kalita, M.L.A)  
Chairman,  
Committee on Public Undertakings

(i)

**COMPOSITION OF THE COMMITTEE**

**CHAIRMAN:** Shri Ramendra Narayan Kalita, MLA

**MEMBERS:**

- 1 Smti. Suman Haripriya, MLA
- 2 Shri Terash Gowala, MLA
- 3 Shri Krishnendu Paul, MLA
- 4 Shri Ganesh Kumar Limbu, MLA
- 5 Shri Suren Phukan, MLA
- 6 Shri Prodip Hazarika, MLA
- 7 Shri Jitu Goswami, MLA
- 8 Shri Charan Boro, MLA
- 9 Shri Siddeque Ahmed, MLA
- 10 Md. Nurul Huda, MLA
- 11 Smti. Nandita Das, MLA
- 12 Shri Rafiqul Islam, MLA



**MEMBERS AND OFFICIALS OF ALA VISITED TO U.T. OF  
JAMMU & KASHMIR AND ANDAMAN NICOBAR ISLANDS**

**CHAIRMAN:** Shri Ramendra Narayan Kalita, MLA

**MEMBERS:**

- 1 Shri Terash Gowala, MLA
- 2 Shri Ganesh Kumar Limbu, MLA
- 3 Shri Prodip Hazarika, MLA
- 4 Shri Jitu Goswami, MLA
- 5 Shri Charan Boro, MLA
- 6 Md. Nurul Huda, MLA

**OFFICERS:**

- 1 Shri H. Das, IAS, Principal Secretary
- 2 Shri I. Mozumder, Joint Secretary
- 3 Shri R.K. Sarmah, Superintendent
- 4 Shri J. Borah, Store Officer

## **Visit to the Union Territory of Jammu and Kashmir**

The Committee had visited the Union Territory of Jammu & Kashmir w.e.f. 16<sup>th</sup> November to 18<sup>th</sup> November, 2021. According to the tour programme, the Committee held a meeting on 16<sup>th</sup> November, 2021 with the Power Development Department Corporation, Jammu & Kashmir. The meeting was held at 5.30 PM in the Conference Hall of Power Development Department, J & K, Jahangir Chowk Complex at Srinagar with the officials of Power Development Department of J&K, Jammu and Kashmir State Power Development Corporation (JKSPDC), and Jammu and Kashmir Power Transmission Corporation Ltd (JKPTCL).

In the meeting, Mohammad Hussain, Executive Engineer and Mohammad Kaiser Ahmed, Assistant Engineer had presented two Power Point presentations respectively about the Power Generation, Transmission and Distribution of Power etc. about the Union Territory of Jammu & Kashmir. The Power Point Presentations are enclosed herewith in the Annexure part.

After watching the Power Presentation as presented by the JKPDC, Hon'ble Member Shri Jitu Goswami raised a question about the total power production as produced by the JKPDC. Replying to the Hon'ble Member, the Chief Engineer JKPDC said that they have two major Hydro Power Projects, one is LJHP (105 MW in Jehlum basin) and another is USHP (105 MW in Jehlum basin). There is also another major Hydro Power Station in Baglihar over Chenab Basin (Baglihar-I and Baglihar-II having the capacity of 450 MW each). Total capacity of Operational Projects in UT of J&K under JKSPDC is around 1197.4 MW in Chenab, Ravi and Jehlum basins and 14.56 MW in UT of Ladakh in Indus basin (total 1211.96 MW under JKSPDC). Again, total installed capacity of the Project developed by NHPC in J&K is 2250 MW and 89 in Ladakh (total central sector is 2339 MW under NHPC). Further, 5 nos. of projects developed by Independent Power Producers (IPPs) in Chenab and Jehlum basins have total installed capacity of 57.5 MW. Cumulative capacity of JKSPDC, NHPC and IPPs in total is 3617.5 MW. Projects under construction under JKSPDC, IIP and CVPPPL are of around 1690 MW. In another question of Hon'ble Member Shri Prodip Hazarika about pick hour demand, the Chief Engineer, JKPDC informed that there was pick hour demand about 1300 MW in last year, but in this year they have supplied 1680 MW. Now, the Department is planning to complete the installation of

Pre-paid meter in next two years. And 3 more Grids will be coming in Srinagar. Jammu & Kashmir is a hilly State so there are available sources for producing of Hydro Electric Power. In reply of the Hon'ble Member, the department had informed that they have lots of potentialities for generating 5000 MW of Hydro-Power in Shina Valley. In a question raised by Hon'ble Chairman about the IPDS, DDUGJY, SAUBHAGYA and PMDP etc. Schemes, the Executive Engineer, JKPDC said that these Schemes are 90 percent centrally sponsored and 10 percent Union Territory sponsored. In this regard, the Chief Engineer, JKPDC had informed the Committee that some schemes are 90-10 ratio based and some schemes are 85-15 ratio based sponsored.

Hon'ble Chairman had delivered a brief description about Assam covered by Blue Hills as well as Brahmaputra Valley and its beautification, Assam Tea, Paddy field, National Wildlife Sanctuary etc. surrounding in the state of Assam. Besides, the Hon'ble Chairman also revealed that we have immense water sources in Assam, so we would take necessary steps for producing of Hydro Electric Power by using high technological process as we can generate huge amount of electric power in Assam. In this regard, the Assam Government has already taken several kinds of power projects for implementation in Assam. Hon'ble Chairman also invites the Power Development Corporation of Jammu & Kashmir, to visit the state of Assam.

Before the end of the meeting, the Chief Engineer, JKPDD invited the Committee to visit the site of the JEE Sahib Power House (3X35 MW) Stage-II, Upper Sindh Hydro Electric Project, Kangan near Srinagar in the next day i.e. on 17<sup>th</sup> November, 2021.

Next day on 17<sup>th</sup> November, 2021, the Committee visited the JEE Sahib Power House (3X35 MW) Stage-II, Upper Sindh Hydro Electric Project, Kangan. Project authorities explained the Committee about the various components of the project which has total installed capacity of 105 MW consisting of 3 units having capacity of 35 MW each. Currently due to onset of winter and freezing of the river in the upstream region, the river discharge is considerably low resulting in production of only 10 MW of power only in 1 no. unit while remaining 2 have been kept in halt. The said project is a run of the river type project on Sind Kanan Nallah with main project component consisting of a weir, power channel, forebay, penstock, power house with 3 vertical francis turbines. It may be mentioned that due to its unique geographical location in Himalayan region, the Jammu & Kashmir

Union Territory has significant advantage for development of hydro power projects. Significant rivers that flow through Jammu & Kashmir from the Himalayas are Jhelum, Chenab, Sutlej, Ravi and Indus. These river basins located at a higher elevation facilitating huge hydro power potential. Jammu & Kashmir is endowed with significant hydel potential which, when exploited fully, will provide a strong impetus for the growth of its economy.

### **Visit to the Union Territory of Andaman and Nicobar Islands**

#### **Introduction**

At present, the Tourism Industry is one of the largest and fastest growing industries in terms of growth, potential and entertainment generation for extraction of revenue for countries all over the world.

Tourism being a service oriented sector embraces the advancement of information technology. The global Tourism Industry has grown about 50% in the past decade despite setbacks caused by terrorism, pandemics and times of political and economic unrest.

As global tourism, India's Travel and Tourism Industry is also growing fast. India is one of the developing nations at the forefront of the global tourism. Although, India's Travel and Tourism Industry is not the biggest in terms of money makers but still brings in a massive sum of money every year.

#### **Andaman & Nicobar Islands**

The Andaman and Nicobar Islands, located in the east of the Indian mainland geographically, float in splendid isolation in the Bay of Bengal. Once a hill range extending from Myanmar to Indonesia, these picturesque undulating islands, islets numbering around 836, are covered with dense rain-fed, damp and evergreen forests and endless varieties of exotic flora and fauna. Most of these islands (about 550) are in the Andaman Group, 28 of which are inhabited. The smaller Nicobars, comprise some 22 main islands (10 inhabited). The Andaman and Nicobars are separated by the Ten Degree Channel which is 150 Kms. wide.

The inhabitants of the Andaman & Nicobar Islands are a mixed of nationalities. Some inhabitants have a likeness to the Australians Aborigines and others are Mongoloid origins. There are six ethnic tribes still living in the Andaman and Nicobar Islands.

Hindi, the mother tongue of 15% to the locals, is the most commonly spoken language in the Andaman with the other 85% divided amongst 24 different languages including Tamil, Malayalam, Urdu and Bengali. English is the official language. The population of Andaman is estimated at 4.89 lakhs as per 2011 census.

#### **Tourism in Andaman & Nicobar Islands**

As per the data available with Director of Tourism, Andaman & Nicobar Island tourist influx to the Islands has doubled from over 2 lakhs visitors in 2013 to 5 lakhs in 2018. Niti Ayog has guided the Island Development Agency (IDA) in planning large-scale tourism projects in the island. IDA was formed in 2017 by the Ministry of Home Affairs with the intention of initiating holistic development of the island through tourism.

IDA is also trying to improve inter-island connectivity between 5 tourist destinations, namely, Long Island, Smith, Ross Island, Swaraj Dweep, Baratanga Island and Port Blair under the Swadesh Darshan Scheme of the Ministry of Tourism. There is a proposal for Sea plan operation between Swaraj Dweep & Swahid Dweep, Hut Bay and Long Island under the UDAN Scheme (Ude Desh Ka Aam Nagrik) to attract foreign investment and international trade with the neighbouring South Asian countries, under the Act-East Policy of the Government of India. Custom duties have been waived on the import of certain construction materials and few food items.

Tourism activists in the Andaman Islands are a mixture of many activities like Tracking, Snorkelling, Kayaking, Scuba Diving and Helicopter rides. Andaman and Nicobar Islands Tourism Department arranges shows to glorify the Freedom Movement of India at the Andaman Cellular Jail.

The administration of the Union Territory of Andaman and Nicobar Islands receives appreciable logistics and physical and fiscal support for the management of the islands.

In the year 2015, the Govt. of India had drawn up a massive Rupees Ten thousand crore plan to transform the Andaman & Nicobar Islands into the country's first maritime hub.

The Ministry of Environment and Forest, Department of Fishery, Department of Tourism are actively involved for holistic development and have come up with several long term measures and projects for the development of Islands so that more tourists come to the Islands.

Since tourism may be devastation to the Islands ecosystem, the administration has made certain rules to be followed as stake holders associated with the Tourism Industry and even the local residents must abide by it.

#### **Challenges in managing tourism in Andaman & Nicobar Island.**

The Committee visited Swaraj Dweep (Havelock Island) & Swahid Dweep (Neil Island). During the years of British occupation, agriculture and fishing were the primary sources of livelihood among islanders on Swaraj and Swahid Dweep. Now, this has been replaced by employment in tourism related activities. The Tourism Industry in both the island has brought with it a number of employment opportunities for the locals with different level of education. During the discussion with some of the local youths and women it came to the notice of the Committee that the following are the challenges in managing tourism in Andaman & Nicobar Island.

##### (i) Waste Management

Waste disposal is one of the biggest challenges faced by the stake-holders on Swaraj Dweep and Swahid Dweep. It was informed that the Local Panchayats which are responsible for managing the waste, face shortage of labour and therefore are able to collect waste only from select public space.

##### (ii) Network and Connectivity.

The mobile network is patchy and the internet connection is erratic and limited to only a few locations, as reported by many stake-holders. One tourist, explains his experience that due to poor net connectivity, he could not have his food as he was having ATM Card to make all kinds of payments.

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**OBSERVATIONS AND RECOMMENDATIONS.**

The following are the recommendations of the Committee after gathering experiences from Union Territory of Jammu & Kashmir and Andaman and Nicobar Islands:

1. The Committee observed that detail Survey and Investigation to be carried out to assess the future possibilities and development of new techno-economic feasible hydro power projects in the state of Assam.
2. The Committee recommends that a Nodal Hydro Project Monitoring cell for the State may be constituted with Govt. Officials, Hydro environment/social experts and concern Statutory departments related to issue clearances/NOCs for hydro projects for fast track decision making & implementation.
3. The Committee further insists on conducting of a survey of the potentialities of Assam to generate small and medium Hydro Power projects.
4. The Committee also decided to conduct a spot visit tour to Kapali and other Hydro Power project to discuss how to enhance the Power production of the said projects to make the State of Assam self reliant on power sector.
5. As Waste Management is a great challenge that is compounded with the growing number of visitors in Andaman and Nicobar Islands and materials consumed by the visitors, the same may occur in case of the tourist places of Assam also. Therefore, the Committee recommends proper Waste Management Policy for the tourist places in the State of Assam.
6. The Committee recommends that the Mobile Network and Internet connectivity should be ensured in the tourist places.
7. The Committee observes that the Department should also take proper measures so that the concept 'Sustainable Tourism' does not remain on paper as a term only. To meet the challenges of managing a growing Tourism Industry, appropriate measures must be taken by the Department.
8. The Committee observed that in Andaman and Nicobar Islands, water sports activities are very popular and attract lakhs of tourists every year.

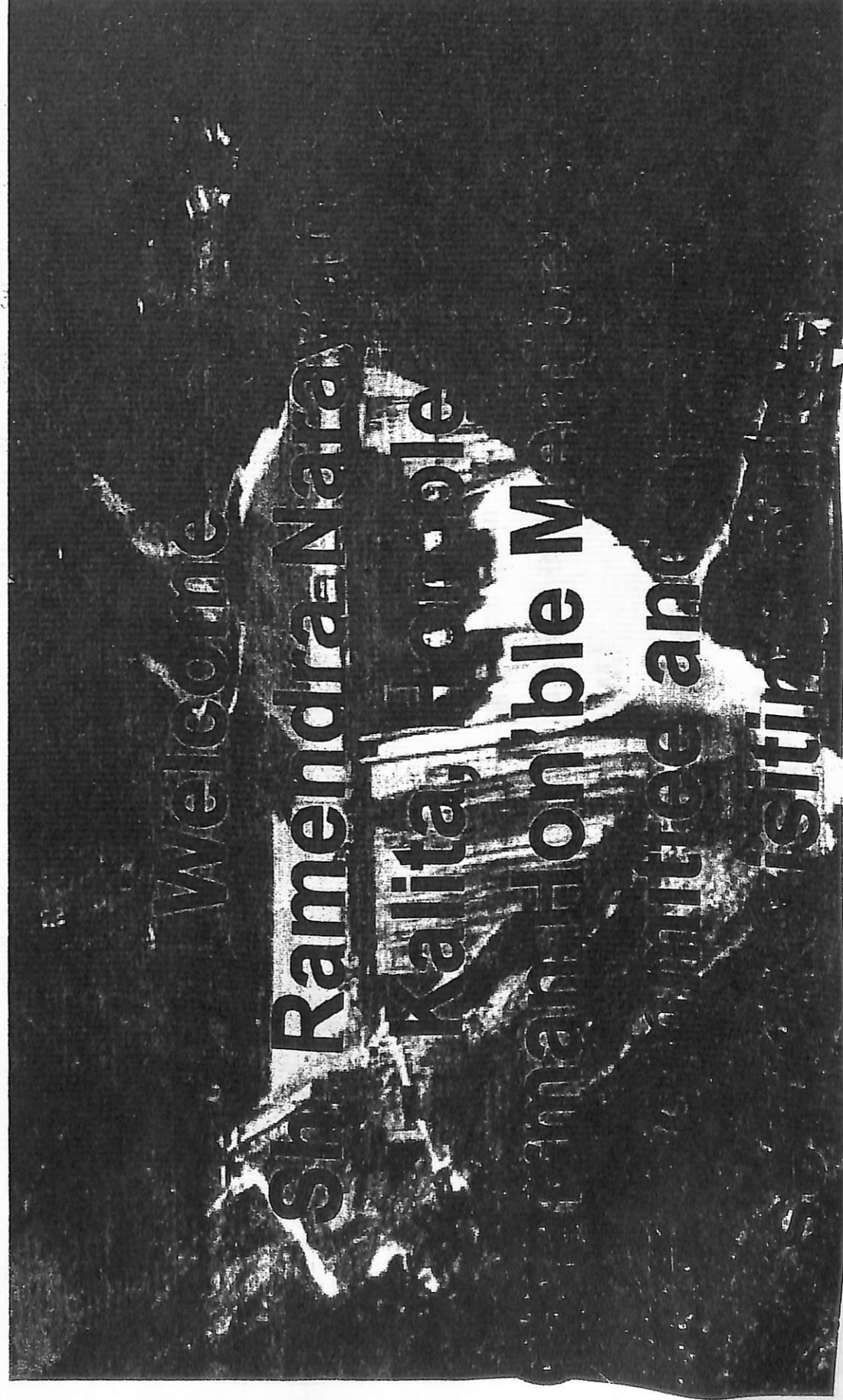
Tourism Department may also undertake similar water activities in Assam as there is ample scope for water sports in Assam.

9. The Committee recommends the Department that Boat House facilities may be arranged in different water bodies of Assam including Deepor Beel and to make survey in this regard.
10. The Committee also recommends that Light and Sound show at the Heritage Brahmaputra (earlier DC's Bungalows in Guwahati) may be arranged highlighting the heroism of Lachit Borphukan as the great Army General who fought against the Mughals from that hilltop.
11. The Action Taken by the Departments on the Observations and Recommendations contained in this Report may be intimated to the Committee within 90 days from the date of presentation of this Report in the House.



**J&K STATE POWER  
DEVELOPMENT CORPORATION**

ANNEXURE-7



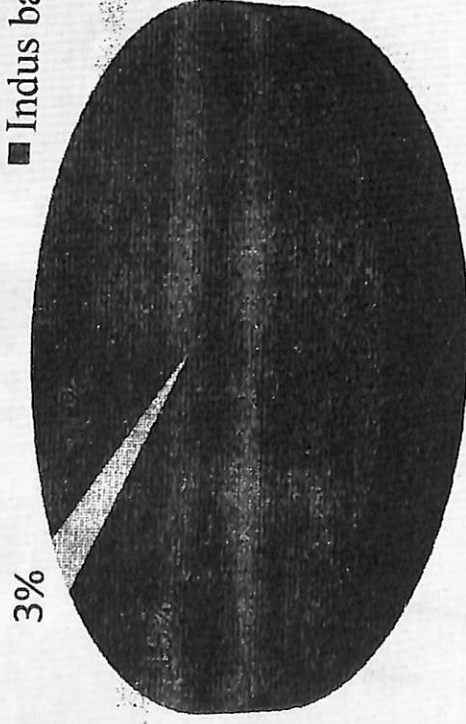


# BROAD ENERGY SCENARIO OF UTs of J&K and LADAKH :

Hydro Power potential (MW)

Basin wise

- Chenab Basin
- Jhelum Basin
- Ravi Basin
- Indus basin



Estimated hydro power potential = 20000 MW

Identified Hydro power potential = 16475 MW

Out of the identified potential, only 3617.46MW i.e. 22% (of identified potential) has been exploited until now, which comprises 1220.96 MW in State Sector, 2339 MW in Central Sector and 57.5 MW in IPP mode (Independent power producers).

3

Agencies associated with hydro power development in the UT of J&K

- JKSPDC
- Central PSUs (NHPC)
- CVPPPL (JV of JKSPDC & NHPC)
- Ratle Hydroelectric Power Corporation (JV between JKPDC and NHPC)
- Independent Power Producers (IPPs)

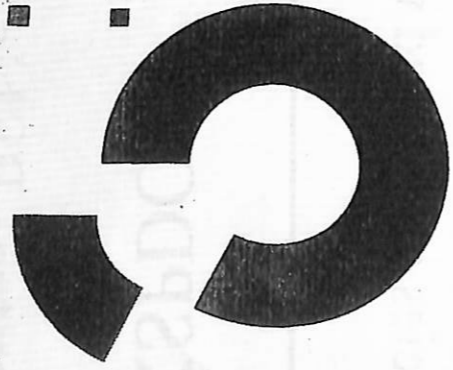


## Developed potential (agency wise) (J&K & Ladakh)

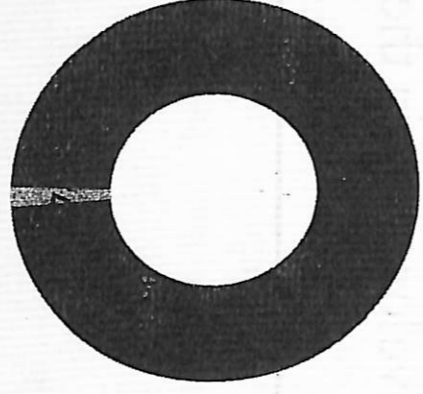
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S. No	Organization/ agency	No. of projects	Aggregate Installed Capacity in MW	Percentage of developed potential
1	NHPC	08	2339.00	(64.66%)
2	JKSPDC	23	1220.96	(33.75%)
3	IPPs	05	57.50	(01.59%)

Developed potential = 21.96%

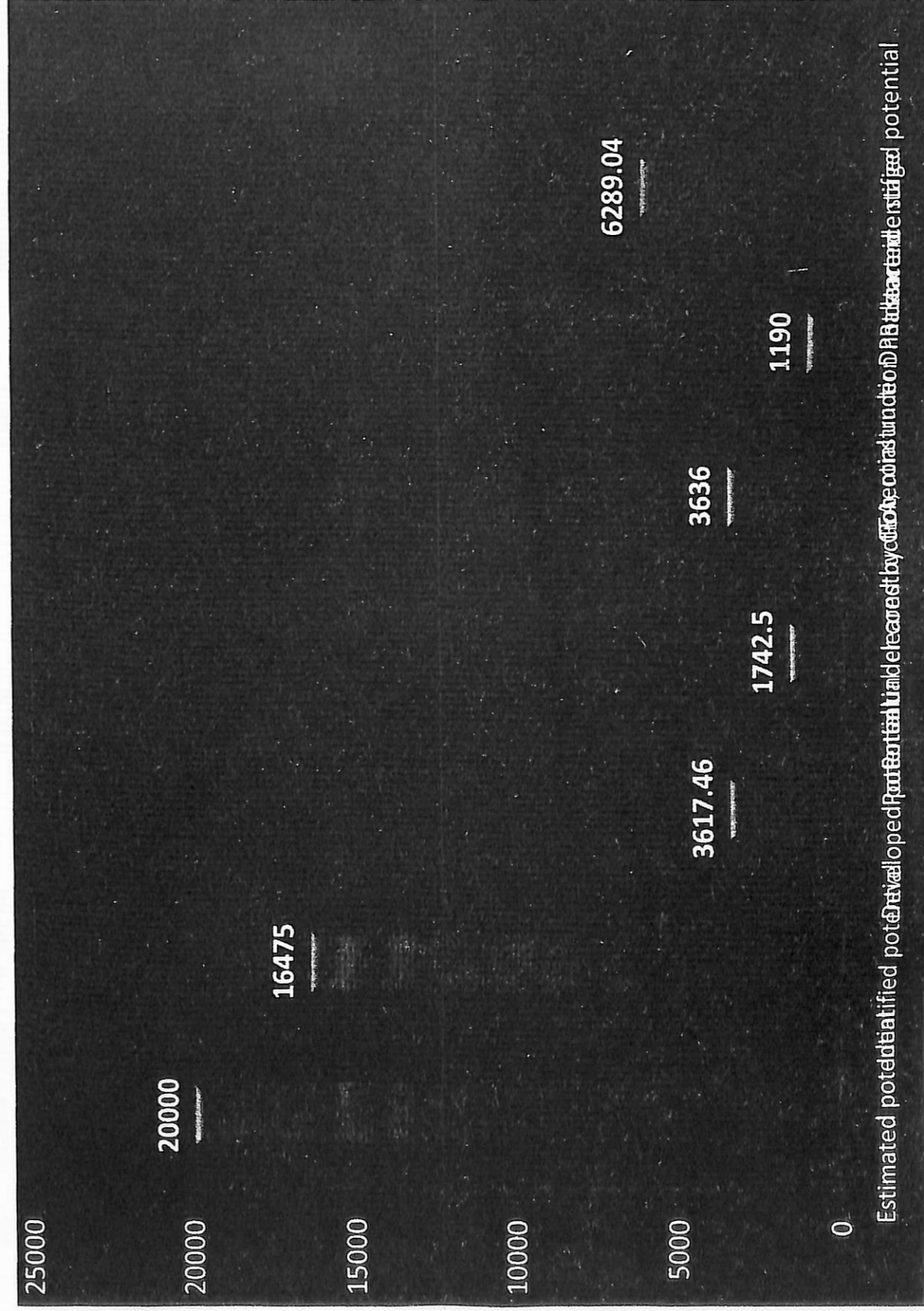


Installed capacity in MW



5

## Status of development of Identified potential



Estimated potential identified potential developed potential



### Operational Projects in UTs of J&K and Ladakh under JKSPDC

JKSPDC has installed capacity of 1220.96 MW from 23 HEPs. As all of these projects are run-of-river, peak generation is achieved during April-September period each year and the generation reduces drastically (around 240 MW out of installed capacity of 1220.96 MW) during the winter season.

JKSPDC is supplying major share of the output energy to JKPDD.

Embargo of Indus Waters Treaty (IWT)

### Operational Projects in UTs of J&K under JKSPDC

S.No	Name of Project	Basin	Capacity in MW	Design Energy (MUs)
1	Baglihar-I	Chenab	450.00	2536.07
2	Baglihar-II	Chenab	450.00	1302
3	Chenani-I	Chenab	23.30	110.02
4	Sewa-III	Ravi	9.00	33.06
5	Chenani-III	Chenab	7.50	36.71
6	Chenani-II	Chenab	2.00	36.71
7	Bhaderwah	Chenab	1.50	9.44
8	LJHP	Jehlum	105.00	609.42
9	USHP-II Kangan	Jehlum	105.00	447.37
10	USHP-I	Jehlum	22.60	106.62
11	Ganderbal	Jehlum	15.00	90.15
12	Pahalgam	Jehlum	4.50	17.3
13	Karnah	Jehlum	2.00	11.36
<b>Total (UT of J&amp;K)</b>			<b>1197.4</b>	<b>5346.23</b>

**Operational Projects in UTs of Ladakh under JKSPDC**

8

S. No	Name of Project	Basin	Capacity in MW	Design Energy (MUs)
1	Satakna	Indus	4.00	19.52
2	Iqbal	Indus	3.75	21.23
3	Igo- Marcelloung	Indus	3.00	15.88
4	Sanjak	Indus	1.26	4.46
5	Haftal	Indus	1.00	
6	Marpachoo	Indus	0.75	
7	Hunder	Indus	0.40	
8	Bazgo	Indus	0.30	11.98
9	Sumoor	Indus	0.10	
<b>Total (UT of Ladakh)</b>			<b>14.56</b>	<b>73.07</b>
<b>Grand Total JKSPDC (UTs of JK &amp; Ladakh)</b>			<b>1211.96</b>	<b>5394.59</b>

8

**Project Developed by NHPC**

9

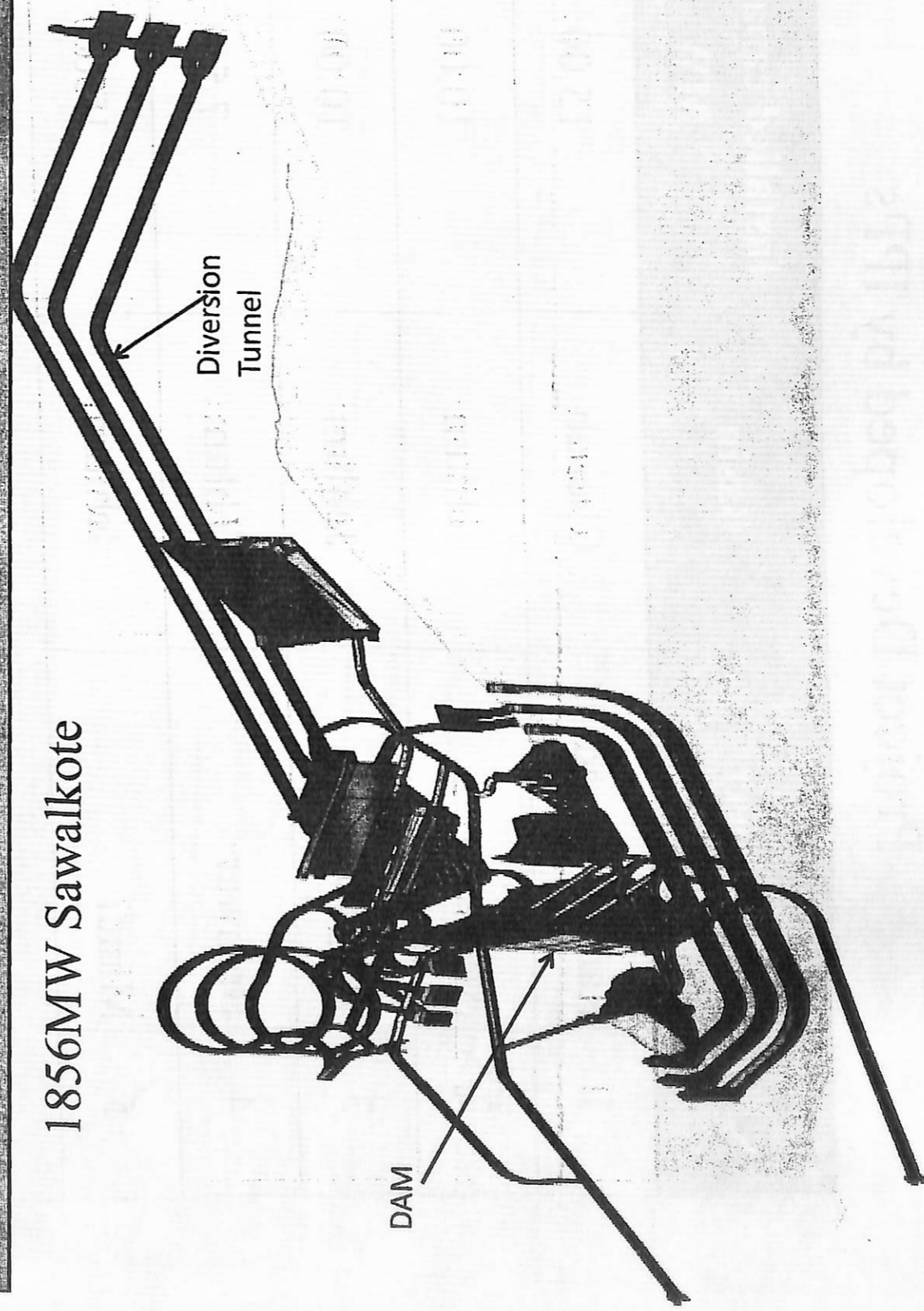
S.No	Project	Basin	Installed cap. in MW
<b>UT of J&amp;K</b>			
1.	Salal	Chenab	690.00
2.	Uri - I	Jehlum	480.00
3.	Dulhasti	Chenab	390.00
4.	Kishenganga	Jehlum	330.00
5.	Uri - II	Jehlum	240.00
6.	Sewa - II	Ravi	120.00
<b>Total (J&amp;K)</b>			<b>2250.00</b>
<b>UT of Ladakh</b>			
1.	Nimo Bazgo	Indus	45.00
2	Chutak	Indus	44.00
<b>Total (Ladakh)</b>			<b>89.00</b>
<b>Total Central Sector</b>			<b>2339 MW</b>



S. No.	Project	Basin	Installed capacity in MW	Status
1.	Dul Hasti Stage-II	Chenab	258	DPR under preparation
2.	Uri - I Stage-II	Jehlum	240	DPR under preparation.
3.	Sawalkote	Chenab	1856	JKSPDC has handed over all records to NHPC. However, NHPC has not yet taken over physical possession of the Project.
<b>Total</b>			<b>2354 MW</b>	

**Project Layout – 3D plan**

1856MW Sawalkote



# Project Developed by IPPs

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S.No	Project	Basin	Installed capacity in MW
1	Ranjala Dunadi	Chenab	15.00
2	Athwatoo	Jehlum	10.00
3	Tangmarg	Jehlum	10.00
4	Brenwar	Jehlum	7.50
5	Mandi	Jehlum	15.00
<b>Total</b>			<b>57.5 MW</b>

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## Road map of Generation Sector

Hydro electric power Projects	Cumulative capacity (MW)
<b>Operational projects</b>	
•JKSPDC	1220.96
•NHPC	2339
•IPP	57.5
<b>TOTAL</b>	<b>3617.5</b>
<b>Projects under construction</b>	
•JKSPDC (37.5MW Parnai +9MW Dah+12MW Karnah)	58.5
•IPP	8
•CVPPPL (1000MW Pakaldul & 624MW Kiru)	1624
<b>TOTAL</b>	<b>1690.5</b>
<b>Projects under tendering stage</b>	
•JKSPDC (93MW New Ganderbal HEP+10.5MW Mohura++ 48MW Lower Kalnai+23 MW Ans-II HEP &+14.1 MW Phagla HEP)	188.6
•Ratle Hydroelectric Power Corporation Ltd. -a JV between NHPC & JKSPDC	850
• CVPPL (540MW Kwar HEP)	540
<b>TOTAL</b>	<b>1578.6</b>
<b>Major-upcoming projects cleared by Central Electricity Authority/CWC:</b>	
•NHPC (Govt. of J&K decided to give 1856MW Sawalkote to NHPC on BOOT basis)	1856
•CVPPPL (Govt. of J&K decided to develop 930MW Kirthai II through CVPPPL)	930
•Ujh Multipurpose project	89.5*
<b>TOTAL</b>	<b>2875.5</b>
<b>Projects under Appraisal at CEA/CWC</b>	
•JKSPDC (Kirthai I HEP)	390
•NHPC (Buser HEP)	800
<b>TOTAL</b>	<b>1190</b>
<b>Projects Under PMDP (Below 25MW installed capacity)</b>	
•UT of J&K	171.10
•UT of Ladakh	205.00
•Projects transferred to JKPCDC by JAKEDA from 2 to 10 MW	113.50
<b>TOTAL</b>	<b>489.6</b>



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## SMALL HYDRO PROJECTS TAKEN UP BY JKSPDC UNDER PMMP-2015 SCHEME

### BACKGROUND:

The Government of India announced Prime Minister's Development Package (PMMP) of Rs.80000 Crore in 2015 for various infrastructure projects in J&K to be implemented by various departments.

This amount includes Rs.2000 Crores for "Small Hydro - Preparation of DPRs and Implementation/ installation of SHP Projects" in J&K. Implementation of 33 Small Hydro Projects initiated by JKSPDC. Post reorganization of the erstwhile state of J&K, 23 are now located in the UT of J&K and 10 are in the UT of Ladakh.

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## SMALL HYDRO PROJECTS TAKEN UP BY JKSPDC UNDER PMMP-2015 SCHEME

### PRESENT STATUS:

#### DPR Preparation:

Out of 23 Projects, the DPRs for 17 Projects have been prepared.

#### EPC tendering process:

- (i) Award of EPC Contract completed in one Project - 12 MW Karnah HEP - work awarded in Sep-2019 on EPC basis for Rs 96.967 Crore (excl. taxes).
- (ii) Financial Bid opening stage reached in two projects after multiple rounds of tendering - 23 MW Ans-II HEP & 14.1 MW Phagla HEP.
- (iii) Tender for 10.5 MW Mohra HEP has been issued in May, 2021. Two bids received which are under evaluation.

Formal sanction / release of funds is still awaited from the Govt.

## Solar power projects

16

Name of District Solar Power Plant (SPP)	Land availability in Kanal	Tentative installed capacity MW	Estimated project cost (₹ crore)	Present status
Pampore	315	10	45	SECI has prepared the DPR for development of 10MW Solar Power plant at Gas Turbine Pampore with cost of Rs. 4.5 crore per MW. The project is techno-economically viable. JKSPDC has decided to engage SECI as the Project Implementing Agency.
Kawa	115.9	3	13.5	Site identified
Kalakote	250	6	27	Site identified

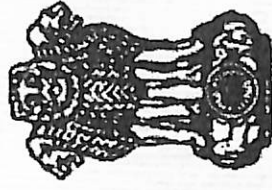
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ANNEXURE-B 1

*Welcome to the  
Honorable Chairman and  
Honorable Members of  
the Committee on Public  
Undertakings, ASSAM  
Legislative Assembly*

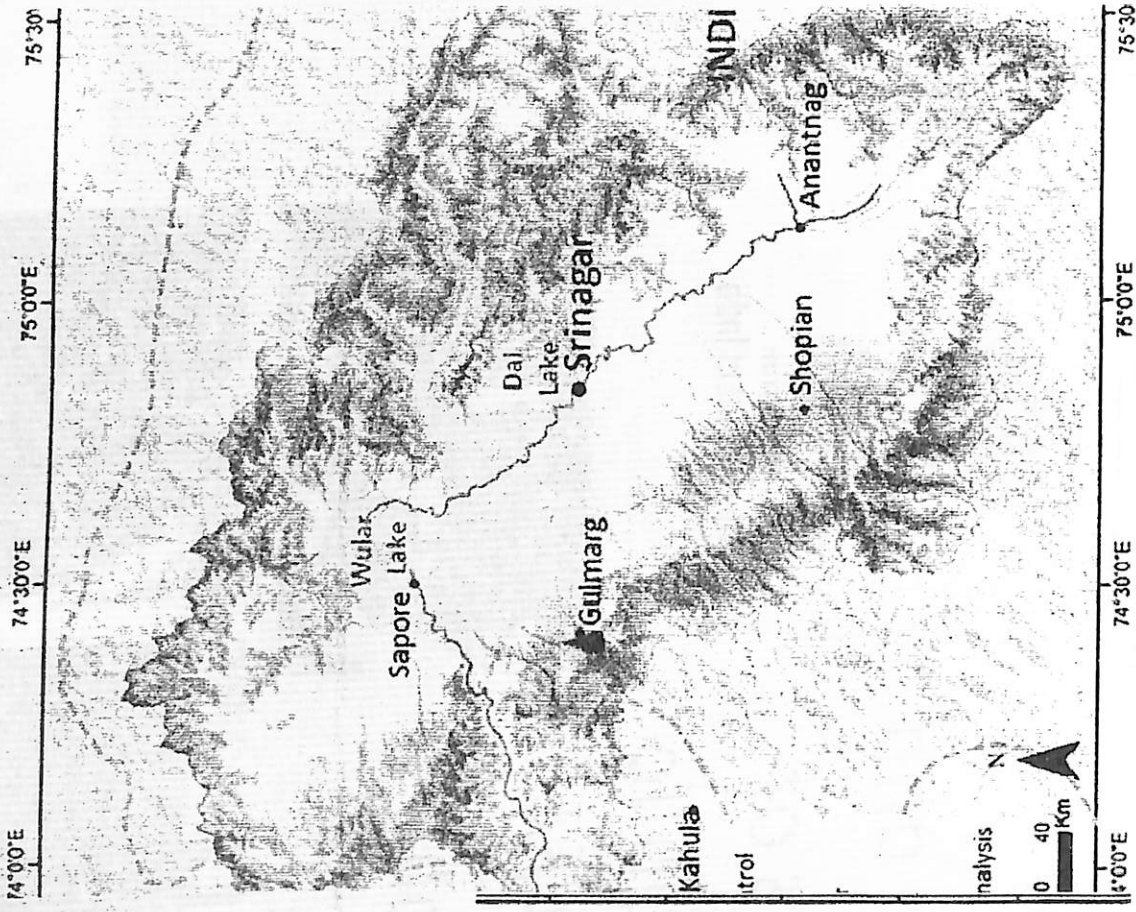
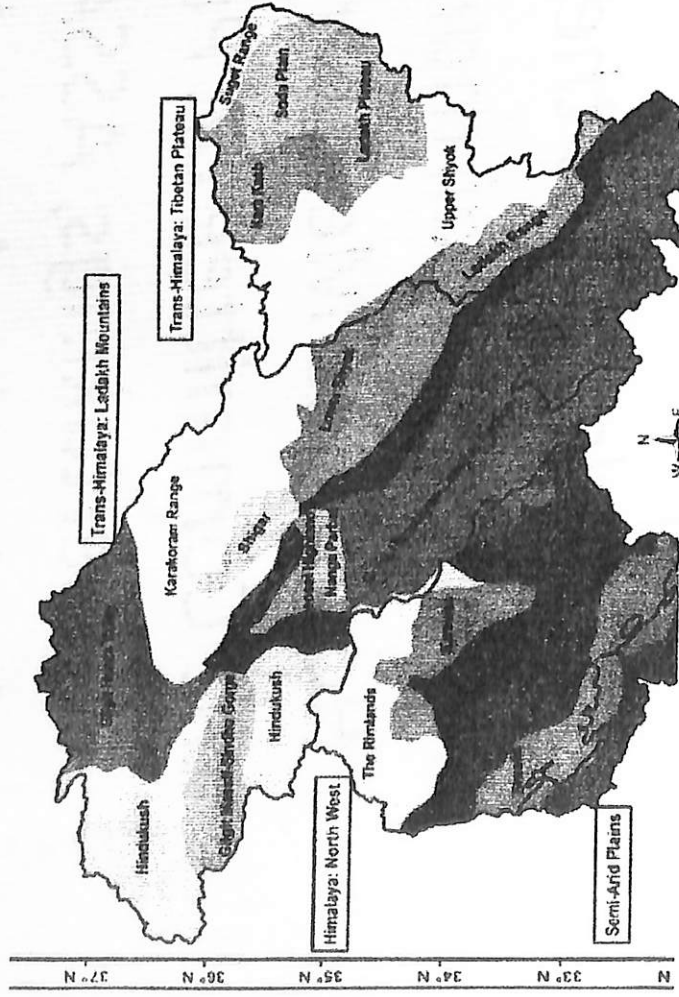


सत्यमेव जयते  
Government of India



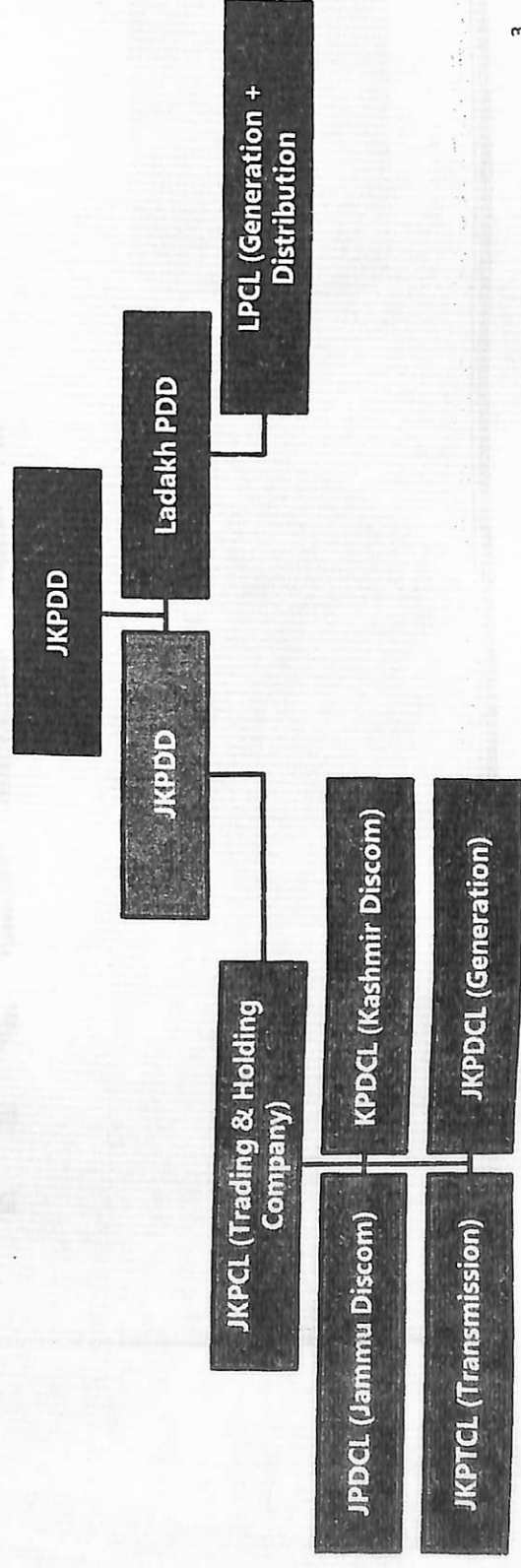


Geography is a serious challenge for Power Fulfilment to Kashmir valley



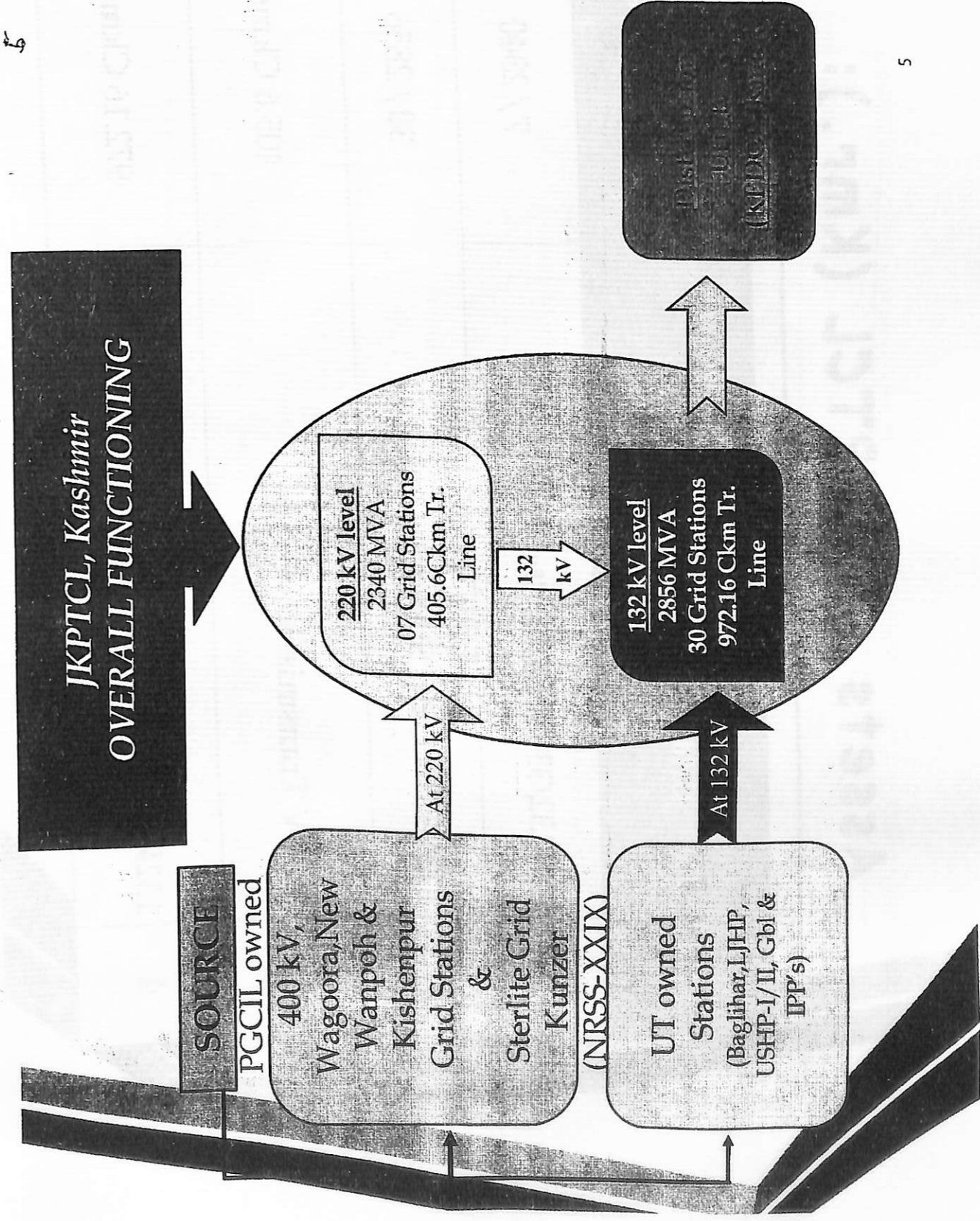
## Power Sector in J&K | Journey towards corporatization

- Unbundling / Restructuring of Power Sector into vertically segregated corporate entities so that the organization may function as a prudent commercial enterprise and operate as per sound business lines.
- All the corporations made functional
- Independent Chairmen appointed in both the DISCOMS and TRANSCO in the month of February 2021
- Full Financial power delegated to encourage autonomous functioning





# JKPTCL



# Assets of JKPTCL (Kmr.):

6

S.No	Grid Station / Transmission Line	Capacity (No/MVA)/ Line Length (Ckms)
1	220/132/33 kV Grid Stations	7 / 2340
2	132/33 kV Grid Stations	30 / 2856
3	220kV Transmission Lines	405.6 Ckms
4	132kV Transmission Lines	972.16 Ckms

## 220/132 kV Grid Stations

9

S.No	Name of Grid Station	Capacity MVA	Transformer Details (MVA)	Transformer Make	Spare Xmer	Max. Load (MW)	District
1	Zainakote	450	9 * 50	Crompton (7) EMCO (3)	1 * 50	400	Budgam
2	Pampore	450	9 * 50	GEC Alstom(7) EMCO (3)	1 * 50	400	Pulwama
3	Budgam	320	6*53:33	IMP 2010	1*53:33		Budgam
4	Delina (Amargarh)	160 + 160	3*53:33	Vijay Electricals	1*53:33	120	Baramulla
5	Mir Bazar	320	6*53:33	IMP Make (7)	1*53:33	200	Kulgam
6	Alusteng	320	6*53:33	Vijay Now Toshiba (7)	1*53:33		Ganderbal
7	Lassipora (GIS 220/33 kV)	160	3*53:33	GE Prolec	1*53:33		
Total		2340					

7



## 132/33 kV Grid Stations

S#	Name	Cap (MVA)	Transformer Details (MVA)	Transformer Make	Spare Xmer	Allowed Load (MW)	District
1	Bemina	150	3*50	BHEL	13*5.94 Damaged	130	Srinagar
2	Habak	120	2*50 + 1*20	EMCO (50), BHEL (50), GEC ALSTOM (20)	1*20 (GEC ALSTOM) Damaged	96	Srinagar
3	Badampora	66	1*50 + 1*16	BHEL (50), BHEL (16)	-	54	Ganderba
4	Cheshmashahi	140	1*50 + 2*20 + 1*50	BHEL (50), GEC (20), ECE (50)	1*15 Damaged	80	Srinagar
5	Rawalpura	140	2*50 + 2*20	BHEL (50), IMP (50), MCO (20), GECL (20)	-	88	Srinagar
6	Pampore	200	1*50 + 9*16.66	BHEL (50), BHEL (6-16.66), Bharat Bijli (3-1.66)	1*16.66 Damaged	84	Pulwama
7	Awantipora	125	1*50 + 25*3	Vijay (50), NGEF (25)	1*25 Under Repair	64	Pulwama
8	Lassipora	95	25*3 + 1*20 (from Wanpoh)	GEC Alstom	1*25 Under Repair	48	Pulwama
	Lassipora GIS (220/33kV)	160					
9	Wanpoh	160	3*20 + 2*50	BHEL (50), GE India, NGEF, Voltas MCO + one new	-	85	Kulgam
10	Lissar	50	1*50	Vijay Electricals	-	30	Anantnag
11	Pattan	120	2*50 + 1*20	Vijay (50), ECE (50), GEC (20)	-	55	Baramulla
12	Amargarh	95	1*50 + 1*15 + 1*12.5 + 1*20	BHEL (50), BHEL (15), BHEL (12.5), Bharat Bijlee (20)	1*12.5 BHEL Unservicable	65	Baramulla

13	Mattan	70	1*50 + 1*20	BHEL (50), GEC (20)	-	43.5	Anantnag
14	Magam	100	2*50	Vijay	-	40	Baramulla
15	Sheeri	50	1*50	BHEL	-	40	Baramulla
16	Shopian	50	1*50	Vijay/Toshiba	-	26	Shopian
17	Khonmoh	100	2*50	Vijay Electrical Ltd. + 1 new	-	38	Srinagar
18	Wanganpora	200	1*50 + 25*6	ECE (50), BHEL (25)	1*25	150	Srinagar
19	Kangan	40	2*20	BHEL	-	26	Ganderbal
20	Tethar	50	1*50	Vijay Electricals	-	22	Ramban
21	Zainakote	75	25*3	BHEL	1*25	44	Budgam
22	Budgam	100	2*50	Aditya Make	-	75	Budgam
23	Delina	50	1*50	Vijay Electricals	-	43	Baramulla
24	Chadoora	50	1*50	ECE	-		Chadoora
25	Arapora	90	1*50 + 2*20	EMCO (20), Bhart Bijlee 1989 (20), Vijay (50)	-	40	Kupwara
26	Vilgam	50	1*50	Vijay 2008	-	30	Kupwara
27	Kulgam	100	2*50	IMP, ECE	-	53.25	Kulgam
28	Alusteng	100	2*50	Vijay Now Toshiba	-		Ganderbal
29	Bandipora	50	1*50				Bandipora
30	LJHP (Asset of JKPDC, however xmer installed by JKPTCL)	20	1*20	Bharat Bijli	-	25	Baramulla
<b>Total: 30 Nos</b>		<b>2966</b>					

## Abstract of Centrally/State Sponsored Schemes - JKPTCL Kashmir

S No	Name of the Central/State SS	Total No. of Projects	Total Cost (Rs Crores)	Exp. Till date (Rs. Crores)	Projects Completed	Projects in Progress	Projects under Tendering
1	PMRP-2005	30			23	6	1 work On hold
a	Sub-Station Works	14	835.94	729.40	14	0	0
b	Transmission Lines	14			9	4	1
2	PMDP-2015 (As PIA)	13	414.44	51.20	4	9	0
3	PSDF	27	146.12	80.76	23	04	0
4	LANGUISHING.	12	63.82	19.84	06	06	-
5.	Capex Budget	41	186.00	1.15	0	41	0

# KPDCCL



## Core Assets of KPDCL

12

S #	Description	Unit	KPDCL
1	33 / 11 -(6.6) kV Sub-Stations	No / MVA	261/ 3630
2	11 (6.6) / 0.43 kV Sub-Stations	No / MVA	35830 / 4585.2
3	33 kV line	No./ckt Kms	117/2140
4	11 (6.6) kV line	No. / Kms	987/15903
5	LT line	Ckt Kms	37093
6	DG Sets at Gurez/Machil/Tulail	No/KVA	26 /4875
7	Consumer Data Base	No/MW	1035666/ 1677

## STAFF OF KPDCL

13

Discom	Cadre	Sanctioned Strength	In position	Vacant
KPDCL	Engineering	880	648	232
	Non Engineering	10553	7297	3256
	<b>Total</b>	<b>11433</b>	<b>7945</b>	<b>3488</b>

## PROJECTED REQUIREMENT & AVAILABILITY

KPDCL has a consumer base of more than 10.35 Lakh and the agreed load is around 1677 MW. The anticipated consumption by FY 2024-25 is expected to be of the order of 12000 MU.

Year	Peak Demand (MW)	Energy Demand in MU
2020-21	1630.00 (Met)	9984,56 (Met)
2021-22	2500.00 (UR)	10500,00 (E)
2022-23	2600.00 (UR)	11000.00 (E)
2023-24	2700.00 (UR)	11600.00 (E)
2024-25	2800.00 (UR)	12100.00 (E)

## ENERGY SCENARIO

S #	Month	KPDCL		%Age Increase /Decrease Over Last Year (month)
		Energy Consumed in (In LUs)		
		2020-21	2021-22	
1	April	8693.22	9718.21	11.79
2	May	8111.2	9204.05	13.47
3	June	7044.91	7437.33	5.57
4	July	6529.05	7169.59	9.81
5	August	6454.11	7069.83	9.54
6	September	6972.74	7113.73	2.02
	<b>TOTAL</b>	<b>43805.24</b>	<b>47702.74</b>	<b>8.92</b>



# Growth in Energy Consumption (MUs)

S.No.	Year	Energy Consumption
1	2014-15	7352.94
2	2015-16	8003.01
3	2016-17	7958.73
4	2017-18	8261.71
5	2018-19	9021.56
6	2019-20	9251.87
7	2020-21	9984.56

## Imported Energy Breakup in % from Various CPSU

Sources	Summer	Winter	Year
Thermal (NTPC)	27%	38%	30%
Hydro (NHPC,SJVNL,THDC)	49%	20%	35%
Nuclear (NPCIL)	5%	10%	7%
JKPDC	39%	10%	20%
Supplementary Sources (IEX, URS)	20% (Surplus)	22%	8%

## 2. KEY PERFORMANCE INDICATORS

**a)**

	FY 2020-21
Distribution Losses	57%
AT & C Losses	62.37 %
Average Billing Rate	Rs 3.83/kWh
Average Cost of Supply	Rs 6.88/kWh (as per the Tariff order)
Billing Efficiency	42.53 %
Collection Efficiency	88.47 %

Slide 18

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RV1

Request you to provide the details in order to close the presentation  
PwC, 15-09-2021

# Measures of Loss Reduction

## Initiatives for Loss Reduction

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**1**

Improving Billing Efficiency

**3**

Other Initiatives like Feeder segregation, Energy Efficiency etc.

**2**

Improving Collection Efficiency

**4**

Commercial losses reduction initiatives such as Smart meter installations



## Electricity distribution loss reduction initiatives

22

Sl. No.	Areas	Initiatives
1	Metering	<ul style="list-style-type: none"> <li>• Circle wise devising target for smart meter implementation and consistent monitoring</li> <li>• Economical meter procurement plan</li> <li>• Tagging unmetered consumers and converting them into metered category in phase-wise based on load</li> </ul>
2	IT Intervention	<ul style="list-style-type: none"> <li>• Implementation of AMI infrastructure with integration with existing billing software</li> <li>• Upgradation of existing GIS and updating of data</li> <li>• Implementation of SCADA system in all receiving stations</li> <li>• Upgradation of SCADA in terms of infrastructure</li> </ul>
3	Commercial Processes	<ul style="list-style-type: none"> <li>• Outsource some/select the commercial processes like MRBD activities</li> <li>• Online facility for bill information and payments</li> </ul>
4	HT:LT Ratio	<ul style="list-style-type: none"> <li>• Improving HT:LT Ratio by re-designing system and introducing HT equipment for system strengthening and optimizing technical losses of the system</li> </ul>
5	Aged Infra Replacement	<ul style="list-style-type: none"> <li>• Replace worn out bare conductors, armored service cables with LT AB cables</li> <li>• Replace conventional DTs with Energy efficiency Level – II transformers in a phased manner</li> </ul>

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## Smart Metering Project: PMDP-Urban

# 4

## SMART METERING

24

KPDCL & KPDCL has planned to cover whole of its consumer base under Smart Metering in a phased manner detailed as below:

Phase	Scheme	PIA	KPDCL	
			No. of Smart Meters planned to be installed	Remarks
1 <sup>st</sup>	PMDP-U & DDUGJY/ IPDS	RECPDCL	92250 No's (57750 + 34500)	Installation under progress. At present 7400 meters have been installed
2 <sup>nd</sup>	PMDP-U	RECPDCL	300000 No's	RECPDCL has to publish tender for AMI-IA
3 <sup>rd</sup>	RDSS	Yet to be appointed	Balance around 6.50 Lac consumers	Action Plan & DPR formulation under progress

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## Prime Minister Development Package (PMDP-Urban)

25

### About

- AMI Implementation for 2 Lakh consumers in Jammu & Srinagar has been approved under PMDP-Urban package with sanctioned fund of ₹125.91 Crore
- M/s Techno Electric & Engineering Co. Ltd. has been awarded contract of ₹125.77 Crore to implement 1.155 lakh meters in Jammu and Srinagar
- Project effectively initiated from 06.03.2021 and is expected to be completed by 31.03.2022

Sl. No.	Project Component	Sub-Contractor
1	Smart Meter Manufacturer	M/s Landys+Gyr
2	RF Communication Services	M/s Landys+Gyr
3	Head End System (HES)	M/s Landys+Gyr
4	Meter Data Management System (MDMS)	M/s Oracle
5	System Integrator	M/s Oracle/Abjayon

### Progress

#### Financial:

- Central has released ₹33.96 Crore fund out of its share of ₹113.19 Crore; ₹12.68 Crore fund has been utilised
- UT share fund of ₹12.58 Crore has not been released

#### Physical:

- Consumer Survey, Installation of IT hardware, RF design & survey, HES-MDM integration and POC of the system activities are completed
- SIMs are provided and SIM traffic link at DR is up.
- 2 RF collectors are installed
- 1104 Nos smart meters are installed out of in-stock 2504 Nos in Kashmir. 5000 are in transit.

### Ongoing/Upcoming Activities

- Smart Meter Installation commenced
- MDM-CCB integration in under progress.
- UAT of AMI system has started.
- Readiness of production server is yet to start.

## Revamped Distribution Sector Scheme (RDSS) <sup>26</sup>

KPDCL has engaged RECPDCL for framing of Action-Plan and DPR for Revamped Distribution Sector Scheme in line with the guidelines of the Scheme.

The Action-Plan formats as circulated by REC Limited (Nodal Agency for J&K) are under preparation. The "As-Is formats" under Action-Plan have been completed and rest of the formats under Action-Plan and DPR formulation is under progress.

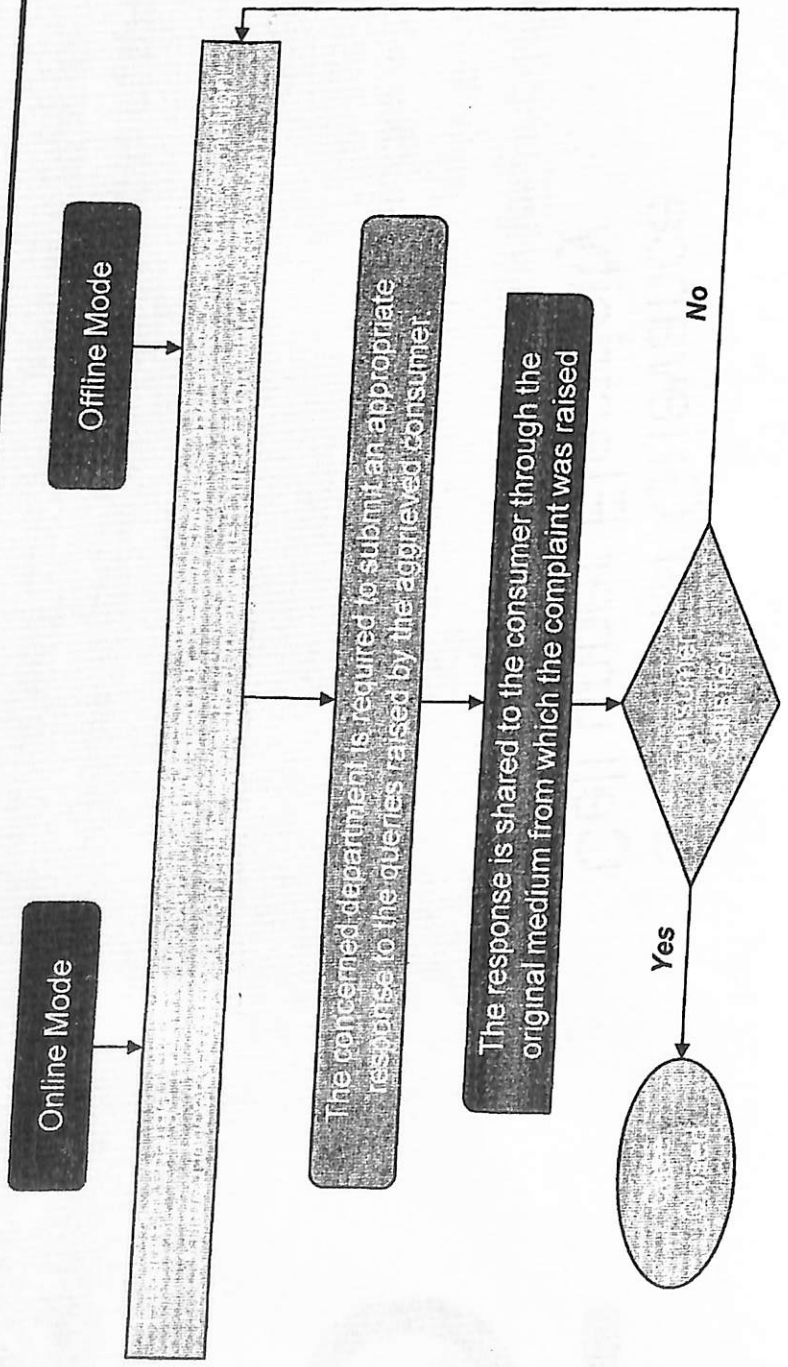
KPDCL plans to submit the Action-Plan and DPR to UT-DRC by end of DECEMBER-2021.

5

Consumer Grievance  
Cell under Electricity  
Act 2003

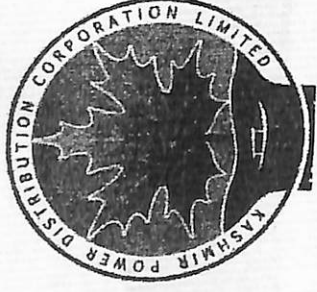


# 24x7 Consumer Grievance Cell



Status of various grievances raised by the Consumers as on November 16, 2021 (<https://jkgrivance.in>)

Total Applications:	2128
Open Applications:	11
Disposed	2106
Reverted:	11



# Detailed Status OF CENTRALLY SPONSORED SCHEMES

## KPDCL

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**Statement showing receipt of funds under various CSS and PMDP Schemes (KPDCL & JPDCL)**

S. No.	Name of the Scheme	Sanctioned cost	Break up of Sanctioned Cost			Central Share Released till date	Balance Central Share	UT Share released upto March 2021	Balance UT Share due against sanctioned cost	UT Share Released during 2021-22
			Central Share (excl. 9% GST for rural schemes)	UT Share (incl 9% SGST for rural schemes)	Total					
1	PMDP-Distribution Rural	1072.19	883.19	189.00	1072.19	570.20	312.99	97.71	91.29	45.64
2	PMDP-Distribution Urban	1114.56	1003.10	111.46	1114.56	522.89	480.21	100.84	10.62	5.30
3	PMDP-Distribution (Advance Tech Intervention) -Smart Meter	126.54	113.89	12.65	126.54	33.96	79.93	0.00	12.65	6.32
4	PMDP-Distribution (Advance Tech Intervention) -Smart Grid	129.98	116.98	13.00	129.98	0.00	116.98	0.00	13.00	0.00
5	R-APDRP (Part-B)	1648.07	1483.26	164.81	1648.07	570.84	912.42	112.04	52.77	26.39
6	IPDS	426.59	362.60	63.99	426.59	311.91	50.69	54.50	9.49	4.74
7	DDUGJY	528.32	408.78	119.54	528.32	147.32	261.46	54.70	64.84	32.43
8	GIS-IPDS	21.66	18.41	3.25	21.66	4.31	14.10	0.38	2.87	1.43
9	SAUBHAGYA	714.32	607.18	107.14	714.32	435.12	172.06	74.97	32.17	16.09
	<b>Total</b>	<b>5782.23</b>	<b>4997.40</b>	<b>784.83</b>	<b>5782.23</b>	<b>2596.55</b>	<b>2400.85</b>	<b>495.14</b>	<b>289.69</b>	<b>138.34</b>

OVERALL PROGRESS OF IPDS WORKS IN UT OF J&K												
S.No	Circle	PIA	Sanctioned Cost		Awarded Cost	Award Date	Physical Percentage (In %)	Expenditure		Financial Percentage	Revised Time Line for Completion	
			(In Crs)	(In Crs)				In Crs	(In %)			
1	Bijbehara	KPDCL	49.28	46.79	17-02-2018	100%	36.18	77%	77%	Submission of Closure under Process		
2	Budgam	KPDCL	23.07	22.05	17-02-2018	100%	14.04	63%	63%			
3	Pulwama	KPDCL	22.89	22.32	17-02-2018	88%	14.34	64%	64%	Nov-21		
4	Ganderbal	RECPDCL	16.29	15.79	11-10-2018	100%	12.66	80%	80%			
5	Sopore	RECPDCL	28.39	26.44	11-10-2018	91%	23.53	89%	89%	Dec-21		
6	Srinagar	RECPDCL	82.29	81.11	28-08-2019	51%	35.56	44%	44%	Dec-21		
TOTAL KPDCL			222.21	214.5		85%	136.3	63.5%	63.5%			
7	Batote	JPDCCL	50	48.4	04-09-2018	64%	21.12	43%	43%	Dec-21		
8	Jammu	RECPDCL	52.2	50.8	29-08-2018	95%	32.81	65%	65%	Sep-21		
9	Kathua	JPDCCL	45	40.7	22-09-2018	74%	24.97	61%	61%	Oct-21		
10	Kishtwar	JPDCCL	20	18.2	13-10-2018	74%	9.47	52%	52%	Oct-21		
11	Rajouri	JPDCCL	35	32.3	04-08-2018	65%	17.54	54%	54%	Dec-21		
TOTAL JPDCCL			202.3	190.6		74%	105.91	55%	55%			
Total J&K			424.5	405.1		76%	242.21	59.79%	59.79%			

**Kashmir Province**  
**Physical Status Distribution IPDS PIA:KPDCL**

S #	Circle	Total Towns	Completed		New 33/11kV Substations				Augmentation of 33/11kV Substation				Distribution Sub Stations				New HT lines				LTAB Cable			
			Nos	Nos	Progress		Scope		Progress		Scope		Progress		Scope		Progress		Scope		Progress		Scope	
					Scope	Nos	Scope	Nos	Scope	Nos	Scope	Nos	Scope	Nos	Scope	Nos	Scope	Nos	Scope	Nos	Scope	Nos	Scope	Nos
1	Bijbehara	19	19	2	2	6	6	6	6	189	186	98%	20.14	20.14	100%	173	173	100%	100%	100%	100%	100%		
2	Budgam	6	6	0	0	0	0	0	0	172	165	96%	15.42	15.42	100%	82.05	82.05	100%	100%	100%	100%	100%		
3	Pulwama	6	4	3	2	0	0	0	0	127	118	93%	19.08	8.43	44%	52.85	41.70	79%	79%	79%	79%	79%		
<b>Total</b>		<b>31</b>	<b>29</b>	<b>5</b>	<b>4</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>488</b>	<b>469</b>	<b>96%</b>	<b>54.64</b>	<b>43.99</b>	<b>81%</b>	<b>307.9</b>	<b>296.75</b>	<b>96%</b>	<b>96%</b>	<b>96%</b>	<b>96%</b>	<b>96%</b>		

**Physical Status Distribution IPDS PIA:RECPDCL**

S #	Circle	Total Towns	Completed		New 33/11kV Substations				Augmentation of 33/11kV Substation				Distribution Sub Stations				New HT lines				LTAB Cable			
			Nos	Nos	Progress		Scope		Progress		Scope		Progress		Scope		Progress		Scope		Progress		Scope	
					Scope	Nos	Scope	Nos	Scope	Nos	Scope	Nos	Scope	Nos	Scope	Nos	Scope	Nos	Scope	Nos	Scope	Nos	Scope	Nos
1	Srinagar	1	0	4	0	6	6	6	6	363	223	61%	32.14	8.65	27%	204.66	63.11	31%	31%	31%	31%	31%		
2	Sopore	9	1	1	0	0	0	0	0	143	137	96%	14.46	11.86	82%	63.64	63.64	100%	100%	100%	100%	100%		
3	Ganderbal	4	4	2	2	1	1	1	1	20	20	100%	6.61	6.61	100%	7.45	7.45	100%	100%	100%	100%	100%		
<b>Total</b>		<b>14</b>	<b>5</b>	<b>7</b>	<b>2</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>526</b>	<b>380</b>	<b>72%</b>	<b>53.21</b>	<b>27.12</b>	<b>65%</b>	<b>275.75</b>	<b>134.20</b>	<b>75%</b>	<b>75%</b>	<b>75%</b>	<b>75%</b>	<b>75%</b>		



Physical Status New 33/11kV Sub Stations IPDS PIA: KPDCCL

34

Sr.No	Circle	Town	Name of 33/11 kV Sub station	Capacity MVA	% Civil Work	% Electrical work	Overall Status
1	Bijbehara	Ashmuji	Ashmuji	10	100%	100%	100%
		Anantrnag	Anchidora	10	100%	100%	100%
2	Pulwama	Pulwama	Pinglana Pulwama	10	100%	100%	100%
		Tral	Tral Bala	10	100%	100%	100%
		Awantipora	Awantipora	6.3	42%	0%	25%
<b>(TOTAL 5) (Completed 4)</b>							

Physical Status New 33/11kV Sub Stations IPDS PIA: RECPDCL

Sr.No	Circle	Town	Name of 33/11 kV Sub station	Capacity MVA	% Civil Work	% Electrical work	Overall Status
1	Srinagar	Srinagar	Super Specialty Hospital, Karari Nagar	10	98%	98%	98%
			Zadibal/Khushalsar	20	10%	0%	6%
			Pantha Chowk/Sammarbugh	10	75%	8%	48%
			Rang Pora/ Elahibagh	10	80%	22%	57%
2	Sopore	Gulmarg	Gulmarg (Tangmarg)	10	20%	0%	12%
			Nussoo Bandipora	10	100%	100%	100%
3	Ganderbal	Sumbal	Sumbal Adda	10	100%	100%	100%
			<b>(TOTAL 7) (Completed 2) (1 Zadibal Descoped)</b>				

Physical Status Augmentation of 33/11kV Sub Stations IPDS PIA: KPDCCL

35

Sr.No	Circle	Town	Name of 33/11 kV Sub station	Capacity addition MVA	Capacity Addition MVA	% Civil Work	% Electrical work	Remarks	
1	Bijbehara	Yaripora	Yaripora 2x6.3 to 2x10	7.4	100%	100%	100%	Completed	
									Devsar
		Bijbehara	Ashmuqam	Ashmuqam 1x10 to 1x10 + 1x6.3	6.3	100%	100%	100%	Completed
			Bijbehara	Sicop 1x6.3 to 2x6.3	6.3	100%	100%	100%	Completed
			Qazigund	Qazigund 1x10 to 2x10	10	100%	100%	100%	Completed
<b>(TOTAL 5) (Completed 5)</b>									

Physical Status Augmentation of 33/11kV Sub Stations IPDS PIA: RECPDCL

Sr.No	Name of Circle	Town	Name of 33/11 kV Sub station	Capacity Addition MVA	% Civil Work	% Electrical work	Overall Status
1	Srinagar	Srinagar	2x6.3 to 2x10 MVA at PC Depot	7.4	NA	100%	100%
			2x6.3 to 2x10 MVA at Danderkhah	7.4	100%	100%	100%
			2x6.3 to 2x10 MVA at Peerbagh	7.4	100%	100%	100%
2	Ganderbal	Hajjin	3x3.15 MVA to 19.45 MVA at Hajjin	10	100%	100%	100%
<b>(TOTAL 4) (Completed 4)</b>							

34

# OVERALL PROGRESS OF DDUGJY WORKS IN UT OF J&K

Kashmir Province												
S.No	Districts	PIA	Sanctioned Cost		Awarded Cost		Award Date	Physical Percentage (In %)	Expenditure		Financial % (In %)	Revised Time line for Completion
			(In Crs)	(In Crs)	(In Crs)	(In Crs)			In Crs	(In %)		
1	Anantnag	KPDCL	26.3	25.3	25.3	18-Sep	82%	10.14	40%	40%	Dec-21	
2	Budgam	KPDCL	27.35	27.35	27.35	18-Sep	70.5%	13.07	48%	48%	Dec-21	
3	Baramulla	KPDCL	37.26	33.46	33.46	18-Sep	41%	9.21	28%	28%	Dec-21	
4	Kupwara	KPDCL	23.93	21.22	21.22	18-Aug	58%	4.45	21%	21%	Dec-21	
5	Ganderbal	KPDCL	44.71	37.3	37.3	18-Sep	41%	14.59	39%	39%	Dec-21	
6	Bandipora	KPDCL	61.73	53.77	53.77	18-Aug	48%	21.8	41%	41%	Dec-21	
7	Kulgam	PGCIL	21.78	18.63	18.63	18-Feb	98%	13.18	64%	64%	Dec-21	
8	Pulwama	PGCIL	29.2	16.79	16.79	18-Feb	97%	15.3	58%	58%	Dec-21	
9	Shupiyan	PGCIL	19.56	19.11	19.11	18-Feb	97%	13.79	71%	71%	Dec-21	
<b>Total</b>			<b>291.82</b>	<b>252.66</b>	<b>252.66</b>		<b>65%</b>	<b>115.53</b>	<b>46%</b>	<b>46%</b>		
Jammu Province												
1	Jammu	JPDCL	32.41	28.91	28.91	18-Aug	62%	12.7	44%	44%	Dec-21	
2	Kathua	JPDCL	28.57	20.4	20.4	18-Jul	62%	7.58	37%	37%	Oct-21	
3	Samba	JPDCL	18.14	16.14	16.14	18-Sep	92%	5.79	36%	36%	Oct-21	
4	Rajouri	JPDCL	29.87	16.24	16.24	18-Aug	66%	6.16	38%	38%	Dec-21	
5	Poonch	JPDCL	29.39	20.14	20.14	18-Oct	92%	6.33	31%	31%	Oct-21	
6	Doda	JPDCL	12.82	10.59	10.59	18-Aug	65%	3.09	29%	29%	Dec-21	
7	Kishtwar	JPDCL	26.95	19.02	19.02	18-Aug	28%	4.67	25%	25%	Dec-21	
8	Udhampur	PGCIL	14.89	13.5	13.5	18-Feb	97%	13.07	97%	97%	Dec-21	
9	Ramban	PGCIL	13.39	5.14	5.14	18-Feb	98%	5.79	113%	113%	Dec-21	
10	Reasi	PGCIL	27.41	19.89	19.89	18-Feb	74%	12.96	65%	65%	Dec-21	
<b>Total</b>			<b>233.84</b>	<b>169.97</b>	<b>169.97</b>		<b>70%</b>	<b>78.14</b>	<b>46%</b>	<b>46%</b>		

## Kashmir Province Physical Status Distribution DDUGJY KASHMIR PIA:KPDCL

Sr.No	District	Habitations				New 33/11KV Substations				Augmentation of 33/11KV Substation				Distribution Sub Stations				HT lines ( 11KV & 33KV)				LT Lines			
		Scope		Completed		Scope		Progress		Scope		Progress		Scope		Progress		Scope		Progress		Scope		Progress	
		No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos
1	Anantnag	92	82	2	1	0	0	87	85	98%	98%	45.55	32.54	71%	71%	102.28	85.11	83%	83%	102.28	85.11	83%	83%		
2	Budgam	60	41	4	1	1	1	57	45	79%	79%	46.64	24.1	52%	52%	32.44	20.82	64%	64%	32.44	20.82	64%	64%		
3	Baramulla	74	45	4	0	0	0	95	46	48%	48%	116	26.47	23%	23%	68	25.53	38%	38%	68	25.53	38%	38%		
4	Kupwara	135	73	3	3	0	0	173	80	46%	46%	283.24	176.1	62%	62%	256.66	138.09	54%	54%	256.66	138.09	54%	54%		
5	Ganderbal	72	33	1	0	1	1	80	35	44%	44%	51.3	20.83	41%	41%	80.4	19.8	25%	25%	80.4	19.8	25%	25%		
6	Bandipora	102	57	1	0	0	0	102	80	78%	78%	189	88.11	47%	47%	102.75	77.29	75%	75%	102.75	77.29	75%	75%		
<b>TOTAL</b>		535	331	15	5	2	2	594	371	62%	62%	731.73	368.15	50%	50%	642.53	366.64	57%	57%	642.53	366.64	57%	57%		

## Physical Status Distribution DDUGJY PIA:PGCIL

Sr.No	District	Habitations				New 33/11KV Substations				Augmentation of 33/11KV Substation				Distribution Sub Stations				HT lines ( 11KV & 33KV)				LT Lines			
		Scope		Completed		Scope		Progress		Scope		Progress		Scope		Progress		Scope		Progress		Scope		Progress	
		No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos
1	Kulgam	63	63	0	0	1	0	63	63	100%	100%	16.92	16.92	100%	100%	76.67	76.67	100%	100%	76.67	76.67	100%	100%		
2	Pulwama	68	67	0	0	0	0	80	80	100%	100%	27.04	26.79	99%	99%	69.33	68.67	99%	99%	69.33	68.67	99%	99%		
3	Shupiyan	68	68	0	0	0	0	74	74	100%	100%	35.1	28.72	82%	82%	94	78	83%	83%	94	78	83%	83%		
<b>TOTAL</b>		199	198	0	0	1	0	217	217	100%	100%	79.06	72.43	92%	92%	240	223.34	93%	93%	240	223.34	93%	93%		

## Physical Status New 33/11kV Sub Stations DDUUGJY

PIA: KPDCL

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Sr.No	District	Name of 33/11 kV Sub station	Capacity IN MVA	Civil Work(%)	Electrical work (%)	Overall Status
1	Kupwara	Keeran	6.3	100%	100%	100%
2		Titwal	6.3	100%	100%	100%
3		Machil	6.3	100%	100%	100%
4	Anantnag	Cheniwuder	6.3	100%	100%	100%
5		Ar-Khashipora	6.3	100%	98%	99%
6		Raithan	6.3	95%	85%	91%
7	Budgam	Aripanthan/Sanoor	10	91%	75%	85%
8		Loolipora/Hafroo	10	98%	95%	97%
9		Hanjoora	10	100%	100%	100%
10	Ganderbal	Dab Wakoora	6.3	95%	75%	87%
11		Seerjagir	6.3	81%	60%	73%
12	Baramulla	Bomai	6.3	78%	40%	63%
13		Gantamulla	6.3	82%	44%	73%
14		Hachaipora	6.3	50%	0%	30%
15	Bandipora	Gurez	6.3	95%	65%	83%

(TOTAL 15)

(Completed 4)

## Physical Status Augmentation of 33/11kV Sub Stations DDUUGJY PIA: KPDCL

Sr.No	District	Name of 33/11 kV Sub station	From	to	Capacity Added IN MVA	Civil Work(%)	Electrical work (%)	Overall Status	Remarks
1	Ganderbal	Manigam	1x6.3	2x6.3	6.3	100%	100%	100%	Completed by Distribution
2	Budgam	Ichgam	1x6.3	2x6.3	6.3	100%	100%	100%	Completed

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## OVERALL PROGRESS OF PMDP-RURAL WORKS IN UT OF

J&amp;K

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S.No	Districts	PIA	Sanctioned Cost		Awarded Cost		Award Date	Physical Percentage (In %)	Expenditure In Crs	Financial % (In %)	Revised Time line for Completion	
			(In Crs)	(In Crs)	(In Crs)	(In %)					Completion	Completion
1	Anantnag	KPDCL	41.7	41.7	47.65	18-Sep	69%	16.64	40%	40%	Mar-22	Mar-22
2	Badgam	KPDCL	50.56	50.56	44.52	18-Sep	70%	19.34	38%	38%	Mar-22	Mar-22
3	Bandipore	KPDCL	32.21	32.21	29.61	18-Sep	46.50%	8.27	26%	26%	Mar-22	Mar-22
4	Baramulla	KPDCL	41.07	41.07	34.34	18-Sep	54%	18.59	45%	45%	Mar-22	Mar-22
5	Ganderbal	KPDCL	39.56	39.56	30.25	18-Aug	36%	10.91	28%	28%	Mar-22	Mar-22
6	Kupwara	KPDCL	54.62	54.62	44.52	18-Aug	48.50%	21.34	39%	39%	Mar-22	Mar-22
7	Kulgam	PGCIL	33.52	34.36	24.88	18-Feb	85%	22.21	71%	71%	Mar-22	Mar-22
8	Pulwama	PGCIL	42.92	39.72	30.42	18-Feb	82%	25.74	71%	71%	Mar-22	Mar-22
9	Shupiyan	PGCIL	29.93	26.33	23.66	18-Feb	80%	18.8	79%	79%	Mar-22	Mar-22
10	UG Cabi Somarg	KPDCL	15.35	15.35	13.96	Aug-16	100%	15.18	100%	100%	Mar-22	Mar-22
11	Industrial Estates	KPDCL	12.86	12.86	12.86	May-18	75%	5.47	43%	43%	Mar-22	Mar-22
12	Shrines	KPDCL	3.90	2.77	2.77		92%	1.6	58%	58%		
<b>Total Kashmir</b>			<b>398.2</b>	<b>391.11</b>	<b>323.08</b>		<b>64%</b>	<b>184.09</b>	<b>46%</b>	<b>46%</b>		
<b>Jammu Province</b>												
1	Jammu	JPDCL	47.67	47.65	47.65	18-Aug	58%	23.66	50%	50%	Dec-21	Dec-21
2	Kathua	JPDCL	44.66	44.52	44.52	18-Jul	77%	23.74	53%	53%	Dec-21	Dec-21
3	Samba	JPDCL	29.62	29.61	29.61	18-Sep	78%	18.77	63%	63%	Oct-21	Oct-21
4	Rajouri	JPDCL	34.34	34.34	34.34	18-Aug	67%	12.23	36%	36%	Dec-21	Dec-21
5	Poonch	JPDCL	30.26	30.25	30.25	18-Oct	69%	12.32	41%	41%	Dec-21	Dec-21
6	Doda	JPDCL	33.13	33.13	33.13	18-Aug	54%	7.92	24%	24%	March-22	March-22
7	Kishtwar	JPDCL	24.88	24.88	24.88	18-Aug	41%	5.82	23%	23%	March-22	March-22
8	Udhampur	PGCIL	39.47	30.42	30.42	18-Feb	96%	23.66	78%	78%	Dec-21	Dec-21
9	Ramban	PGCIL	16.28	13.96	13.96	18-Feb	88%	7.81	56%	56%	Dec-21	Dec-21
10	Reasi	PGCIL	40.01	34.32	34.32	18-Feb	91%	24.91	73%	73%	Dec-21	Dec-21
<b>Total Jammu</b>			<b>340.32</b>	<b>323.08</b>	<b>323.08</b>		<b>71%</b>	<b>160.84</b>	<b>50%</b>	<b>50%</b>		

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## Physical Status Distribution PMDP-Rural KASHMIR PIA:KPDCL

Sr.No	District	Habitations		New 33/11kV Substations		Augmentation of 33/11kV Substation				Distribution Sub Stations				HT lines ( 11kV & 33kV)				LT Lines						
		Completed		Progress		Scope		Progress		Scope		Progress		Scope		Progress		Scope		Progress				
		No	Nos	No	Nos	Nos	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	
1	Anantnag	164	110	1	0	6	4	136	99	73%	48.82	32.86	67%	180.31	116.7	66%								
2	Budgam	354	206	3	1	10	9	76	53	70%	34.3	14.06	41%	116.71	62.83	54%								
3	Baramulla	140	85	0	0	17	12	140	83	59%	70	26.57	38%	106	53.42	50%								
4	Kupwara	185	101	1	0	7	7	237	101	43%	176.8	50.9	29%	272	63.7	23%								
5	Ganderbal	111	46	0	0	10	6	140	45	32%	60	13.079	22%	163	23.73	15%								
6	Bandipora	128	46	2	0	5	5	112	52	46%	79	11.66	15%	110.5	37.1	34%								
	<b>Total</b>	1082	594	7	1	55	43	841	433	51%	468.92	149.129	32%	928.52	357.48	38%								

## Physical Status Distribution PMDP-Rural PIA:PGCIL

Sr.No	District	Habitations		New 33/11kV Substations		Augmentation of 33/11kV Substation				Distribution Sub Stations				HT lines ( 11kV & 33kV)				LT Lines						
		Completed		Progress		Scope		Progress		Scope		Progress		Scope		Progress		Scope		Progress				
		No	Nos	No	Nos	Nos	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	No	Nos	
1	Kulgam	97	94	1	1	0	0	123	108	88%	39.62	38.2	96%	157.6	114.65	73%								
2	Pulwama	137	114	0	0	0	0	143	126	88%	27.2	21	77%	136	113.2	83%								
3	Shupiyan	99	93	0	0	0	0	110	101	92%	26.1	22.18	85%	116	97.4	84%								
	<b>Total</b>	333	301	1	1	0	0	376	335	89%	92.92	81.38	88%	409.6	325.25	79%								

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## Physical Status New 33/11kV Sub Stations PMDP-R

PIA: KPDCL

Sr.No	PIA	District	Name of 33/11 kV Sub station	Capacity IN MVA	Civil Work (%)	Electrical work (%)	Overall Status
1		Anantnag	Yaner Batkoot	6.3	76%	30%	57%
2		Budgam	Soibugh	10	100%	100%	100%
3			Waterwani	10	93%	92%	92.6%
4		Kupwara	Hyhama	10	90%	80%	86%
5			Arin	6.3	0%	0%	0%
6	KPDCL	Bandipora	Nowgam Junction	6.3	65%	0%	38%
7		Srinagar	Khanmoh I (I/E)	10	100%	100%	100%
8			Khanmoh II (I/E)	10	75%	65%	71%
9		Pulwama	Lassipora I (I/E)	10	89%	38%	69%
10			Lassipora II (I/E)	10	87%	38%	67%
11	PGCIL	Kulgam	Chowgam	6.3	100%	100%	100%
<b>(TOTAL 11)</b>							
<b>(Completed 3)</b>							

## Physical Status Augmentation of 33/11kV Sub Stations PMDP-R PIA: KPDCL

Sr.No	Circle	Scope (Nos)	Completed( Nos)	% Progress
1	Anantnag	6	4	67%
2	Badgam	10	9	90%
3	Bandipore	5	5	100%
4	Baramulla	17	12	100%
5	Ganderbal	10	6	60%
6	Kupwara	7	7	100%
	<b>Total</b>	<b>55</b>	<b>43</b>	<b>73%</b>

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## Street Lighting Project under PMDP IN Kashmir

42

S#	Name of Division	Estimated Cost (In Cr)	Total No. of works	Status
1	Electric Division -I	5.42	11	3 No. works Completed. Work on 7 Sites under progress (90 % Progress achieved). Commissioning of LED Luminaries at 7 sites pending because of Non availability of LEDs with SMC/ EESL.
2	Electric Division -II	6.08	9	Work under progress. 85% Progress achieved. Pole erection and cable erection completed.
3	Electric Division -III	3.5	3	Work under progress. 80% Progress achieved. Pole erection work under progress.
4	Electric Division -IV	6.65	2	Poles erected. Cable laid. 286 LED lights installed. 85% work completed.
	<b>TOTAL RS In Crs</b>	<b>21.89</b>	<b>25</b>	

## STATUS OF SHRINE WORKS UNDER PMDP URBAN/RURAL

S#	Shrine works	Sanctioned Cost	Total shrines identified	Shrine Works completed
1	Upgradation of electrical infrastructure at Shrinies in Urban areas / Towns sanctioned under PMDP Urban	1001.25	19	17
2	Upgradation of electrical infrastructure at Shrinies in rural areas sanctioned under PMDP Rural	390.81	10	8 (Work under Progress at two locations)
	<b>TOTAL</b>	<b>1392.06</b>	<b>29</b>	<b>25</b>

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## GRID CONNECTIVITY IN FAR FLUNG AREAS

43

Location	Total No. of DG sets	Total capacity KVA	No. of consumers	Average power supply per day	Grid connectivity DPR Requirement (Cr)
Gurez Bandipora #	21	3640	4062	7 hours	Rs. 27.25 Cr
Machil & Keran (Kupwara)	4 *	890	412	7 hours	Rs. 20.65 Cr

# 11 kV network, DTs and LT lines erected in Gurez . However Grid connectivity awaiting 33 kV network, which is under progress

\* Two No. 320 KVA DG Sets in Machil and Keran stands idle as the area is now grid connected due to commissioning of Machil & Keran Receiving Station

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Thank  
You!