



Jammu & Kashmir State Electricity Regulatory Commission

Annual Report (2013-14)

1. Introduction

The Jammu & Kashmir State Electricity Regulatory Commission Act, 2000 (Act No. VIII of 2000) was enacted to provide for the establishment of a State Electricity Regulatory Commission. The Act though notified on April 11, 2000 in the Government Gazette, came into force on 01.05.2002 and the State Electricity Regulatory Commission was established by the Government through a notification dated 01.07.2002, published in the Government Gazette. The Commission started functioning with the appointment of a Chairman and his assumption of charge on 23.06.2004.

2. The Jammu & Kashmir Electricity Act, 2010

With the enactment of the J&K Electricity Act, 2010, which came into force w.e.f. April 29, 2010 on its notification in the State Govt. Gazette, the Jammu & Kashmir State Electricity Regulatory Commission Act, 2000, was repealed. Thereafter, the functioning of the Commission came to be regulated under the provisions of the new Act. The Jammu & Kashmir Electricity Act, 2010 was enacted to consolidate the laws relating to generation, transmission, distribution, trading and use of electricity and generally for taking measures conducive to development of Electricity industry, promoting competition therein, protecting the interest of consumers and supply of electricity to all areas, rationalization of electricity tariff, ensuring transparent policies regarding subsidies, promotion of efficient and environmentally benign policies, constitution of State Electricity Regulatory Commission and matters connected therewith or incidental thereto.

3. Organizational set up of the Commission

The Commission is a body corporate, having perpetual succession and common seal, with power to acquire, hold and dispose of property, both movable and immovable and to contract and shall, by the said name, sue or be sued.

The Commission consists of a chairperson and two members, who are appointed by the Government from a panel recommended by the selection committee constituted by the Government under Section 66 of the Act. Section 65 of the Act prescribes that the chairperson and members shall be person of ability, integrity and standing, who have adequate knowledge of and having shown capacity in dealing with problems relating to engineering, commerce, economics, law or management.

Shri. K.B.Pillai, IAS (Retd.) was the first Chairperson of the Commission who functioned as such from June 23, 2004 till he demitted office on May 21, 2009 on attaining the age of 65 years. Shri S.M.Desalpine, IAS (Retd.) was appointed as Chairperson of the Commission by the Government vide Govt. Order No.: 231-PDD of 2009 dated 30.10.2009. He assumed charge as the (Second) chairperson of the Commission on November 16, 2009 and continued to function as such till he demitted the office on 02.05.2014 on attaining the age of 65 years. Shri Basharat Ahmed Dhar, I.A.S (Retd.) was appointed (third) Chairperson of the Commission vide Govt. Order No.: 198-PDD of 2013 Dated: 16.08.2013. He was administered oath as Chairperson of Commission by Hon'ble Chief Minister of J&K State on 20.08.2013. Shri D.S.Pawar, Chief Engineer, PDD (Retd.) appointed Member by the State Govt. vide Order No. 231-PDD of 2009 dated: 30.10.2009 & Shri G.M.Khan, FA & CAO (Retd.) who joined the Commission on 01.03.2010 as Member Finance continued as other two members of the Commission during the period under report.

4. Office of the Commission

The Commission is a move office, which moves with Darbar from Jammu to Srinagar during the summer months and from Srinagar to Jammu during the winter season. The Commission operates at Jammu from its own complex at Ambedkar (Panama) Chowk, since March 08, 2011. At Srinagar, the Commission functions in a rented private building at H.No. 101, Sector-A, Bagh-I-Hyder, Hyderpora Chowk as it does not have its own office complex. The Commission plans to construct its own office building at Srinagar jointly with J&K State Water Resources Regulatory Authority (SWRRA) which is also functioning from a private rented building. For this purpose, one piece of land belonging to J&K Industries Ltd. has been identified jointly with the J&K State Water Resources Regulatory Authority at Pampore. During the FY 2013-14, the Govt. allotted an amount of Rs. 75.00 lacs for purchase of the said land at Pampore. The same has been kept in Civil Deposit as per the approval conveyed by the Finance Department vide No. FD-VII-06 (117) 2005-06 dated 28.03.2014 as the allotment of land from J&K Industries Ltd. Pampore, Srinagar is under process. For the FY 2014-15, J&K State Electricity Regulatory Commission has projected a demand for an amount of Rs. 200 lakhs in the plan budget for the construction of the complex.

5. Human Resources

Secretary

Shri R.K.Verma, a Kashmir Administrative Service (KAS) officer functioned as Secretary upto 31.07.2013. Shri Abdul Hamid (KAS) assumed the charge as Secretary of the Commission on 01.08.2013.

Other officers and staff of the Commission

The officers and staff of the Commission are generally appointed on deputation by the State Government. However, Technical Consultant has been engaged by the Commission on contract basis as per the Regulations.

The details of the officers and staff of the Commission (as on March 31, 2013) are given below:-

S.No.	Name of the Employee	Designation
1	Sh. R.K.Seli (Contractual)	Technical Consultant
2	Sh. V.K.Sarngal (From JKPDD)	Supdtt. Engineer
3	Smt. Renu Mahajan upto 11.06.2013 & Smt. Villy Koul from 12.06.2013 (From Law Deptt.)	Dy. Secretary Law
4	Sh. R.K.Sharma (from Finance Deptt.)	Accounts Officer
5	Sh. Ab. Hamid Baba from 06.03.2014 (Deputed by GAD)	Pvt. Secretary
6	Smt. Poonam Rani (Contractual)	Steno-cum-Computer Operator
7	Sh. Babu Ram (Contractual)	Computer Operator
8	Sh. K.K.Pandita (From JKPDD)	Junior Assistant
9	Sh. Balvinder Singh Upto 31.12.2013 (From Finance Deptt.)	Accountant
10	Sh. Rajinder Singh upto 21.06.2013 (From Finance Deptt.)	Accounts Assistant
11	Smt. Nelofar Jan (Deputed by GAD)	Head Assistant (Against the post of Librarian)
12	Smt. Shafiq Akhtar (Deputed by GAD)	Senior Assistant (Against the post of Junior Scale Stenographer)
13	Sh. Ab. Gani Kotay (Deputed by GAD)	Senior Assistant (Against the post of Junior Scale Stenographer)
14	Sh. Girdhari Lal (From JKPDD)	Driver

Some officials from the Migrant Cell/JKSPDC/JKPDD are being provided to the Commission from time to time on temporary basis to meet shortage of staff.

The following posts sanctioned by the Govt. remained vacant during the period under report:-

<u>Nomenclature</u>	<u>No. of Posts</u>
1. Jr. Scale Stenographer	3
2. Receptionist-cum-telephone Operator	1

Organizational structure of JKSERC is given at Annexure-I.

6. Functions of the Commission

As per the provisions of Section 71 of Jammu & Kashmir Electricity Act, 2010, the Commission is vested with the responsibility of discharging the following functions:-

- (a) determine the tariff for generation, supply, transmission and wheeling of electricity, wholesale, bulk or retail, as the case may be, within the State:

Provided that where open access has been permitted to a category of consumers under section 36, the Commission shall determine only the wheeling charges and surcharges thereon, if any, for the said category of consumers;

- (b) regulate electricity purchase and procurement process of distribution licensees including the price at which electricity shall be procured from the generating companies or licensees or from other sources through agreements for purchase of power for distribution and supply within the State;
- (c) facilitate Intra-State transmission and wheeling of electricity;
- (d) issue licenses to persons seeking to act as transmission licensees, distribution licensees and electricity traders with respect to their operations within the State;
- (e) promote co-generation and generation of electricity from renewable sources of energy by providing suitable measures for connectivity with the grid and sale of electricity to any person , and also specify for purchase of electricity from such sources, a percentage of total consumption of electricity in the area of a distribution licensee;
- (f) adjudicate upon the disputes between the licensees and generating companies and to refer any dispute for arbitration;
- (g) levy fee for the purposes of the Act;

- (h) specify State Grid Code consistent with the Grid Code specified under the Electricity Act, 2003 (Central);
- (i) specify or enforce standards with respect to quality, continuity and reliability of Service by licensees;
- (j) fix the trading margin in the Intra-State trading of electricity, if considered, necessary;
- (k) discharge such other functions as may be assigned to it under the Act.

7. State advisory Committee

The State Advisory Committee is to advise the Commission on:

- i) Major questions of policy;
- ii) Matters relating to quality, continuity and extent of service provided by the utility/ licenses;
- iii) Compliance by the licensees with the conditions and requirements of their licenses;
- iv) Protection of consumer's interest; and
- v) Energy supply and overall standards of performance by the utilities/ licensees.

The State Advisory Committee was reconstituted by the Commission on 23.10.2013 vide notification No. 32/JKSERC of 2013 Dt. 23.10.2013 read with notification dated; 10.12.2013 and 27.12.2013 in accordance with the provisions of Section 68 of the Jammu and Kashmir Electricity Act, 2010 read with sub-regulation 3 of Regulation 56 of J&K SERC (Conduct of Business) Regulation, 2005. The reconstituted State Advisory Committee consists of the following Members:-

Members of the Advisory Committee

1. Chairperson of the Commission - Chairperson Ex-officio
2. Member (Technical)- Member Ex-officio
3. Member (Finance) - Member Ex-officio
4. Secretary, Consumer Affairs and Public Distribution Department, Govt. of Jammu & Kashmir- Member Ex-officio

5. Transport Commissioner, Govt. of Jammu & Kashmir (Member).
6. Dr. Aijaz Ahmad, Professor, Department of Electrical Engineering National Institute of Technology. (Member)
7. Sh. Jigmat Takpa, Director, Ladakh Renewable Energy Development Agency, Leh. (Member)
8. Director, Agriculture Department, Srinagar /Jammu. (Member).
9. Sh. Mohd. Ashraf Mir, President, Federation Chamber of Industries Kashmir (FCIK). (Member)
10. Shri. Y.V.Sharma, President, Chamber of Commerce and Industries, Jammu.
11. Sh. Sheikh Ashiq Ahmad, President, Kashmir Chamber of Commerce and Industry, Srinagar. (Member)
12. Shri. Annil Suri, President, Bari- Brahmana Industries Association, Jammu. (Member)
13. Shri. Vikram Gour, Member, State Consumer Protection Council. (Member)
14. Major General (Retd.) Goverdhan Singh Jamwal, President, J&K Ex-Service League H.O Amphalla. (Member)
15. Sh. Shakeel Qalander Consumer/ entrepreneur (Member)

Secretary to the Commission functions as the Secretary of the Committee.

8. Activities of the Commission

A. New Regulations and Amendments issued by the Commission during FY 2013-14

During the Financial Year 2013-14 the Jammu & Kashmir State Electricity Regulatory Commission issued the following Regulations/Notifications:-

1. Jammu & Kashmir State Electricity Regulatory Commission (Terms & Conditions for Tariff Determination for Renewable Energy Sources) Regulations, 2013 notified vide No.: JKSERC/28 dated 17.05.2013.
2. Jammu & Kashmir State Electricity Regulatory Commission, (Consolidated Amendments) Regulations, 2013 notified vide No.: JKSERC/29 dated 02.07.2013.

3. Notification for fee for filing appeals before the Appellate Authority. Under Section 87 of the Act issued Vide No.: JKSERC/31 dated 02.07.2013.
4. Jammu & Kashmir State Electricity Regulatory Commission (Licensing) Regulation, 2013 notified No.: JKSERC/35 of 2013, dated 17.12.2013.
5. JKSERC/33 dated 11.11.2013, amendment to Annexure – II (Schedule of Petition Fee) of JKSERC (Conduct of Business Regulations 2005).
6. JKSERC/36 of 2013 dated 19.12.2013, modification to Regulation No.: 7.56 of JKSERC Supply Code, 2011.

B) Notification for charges for Open Access customers:-

The Short-term Open Access charges for transmission and wheeling of power are notified annually. Accordingly, Open Access charges for Open Access customers for FY 2013-14 were notified vide Notification No. JKSERC/30 of 2013 dated; 02.07.2013.

C) Draft Regulations issued by the Commission

The Commission during 2013-14 drafted the Terms and Conditions for Intra-state Open Access Regulations. These were circulated for deliberation in State Advisory Committee and also hosted on the Commission's website seeking public suggestions/objections.

9. The Commission issued the following Tariff related Orders during the year:-

1. Order on Business Plan for 3-Year Tariff (MYT) period from FY 2013-14 to FY 2015-16 for Power Development – Distribution.
2. Order on ARR for 3 Year Multi Year Tariff (MYT) Period from FY 2013-14 to FY 2015-16 and Retail Tariff for FY 2013-14 for Distribution Utility.

3. Tariff Order on Aggregate Revenue Requirement and Determination of Tariff for MYT Control Period from FY 2013-14 to FY 2015-16 from Power Development Department- Transmission.
4. Order on Determination of Annual Fixed Charges and Tariff for FY 2013-14 for J&K State Power Development Corporation Ltd. (Generation Utility of the State).
5. Order on Determination of Annual Fixed Charges and Tariff for FY 2014-15 for J&K State Power Development Corporation Ltd.

10. Suo-Moto Petitions

Two Suo-moto petitions viz. Petition No. JKSERC/37/SM of 2013 concerning system and consumer metering and Petition no. JKSERC/39/SM of 2013 on the issue of preparation of State Electricity Plan and strengthening of Transmission and Distribution network in the State were instituted by the Commission during the year 2013-14. Necessary orders were also passed by the Commission in the two Petitions after seeking responses of the respondents. Copy of the orders passed in the two cases, which are self explanatory, are enclosed as Annexure II & III to this Report.

In view of the critical importance of these issues, the Commission is also monitoring the implementation of the orders passed in each case. It may be pertinent to mention here that in the case of system and consumer metering, the Commission has specifically directed that "as there has been serious deviation from the mandate given by the State Legislature under Section 49(1) of the Act 2010 for completion of metering within a period of 2 years from the date of notification of the J&K Electricity Act, 2010, the Respondents need to place the facts before the State Legislature for ratification of the extended dead line (March 2016) for achieving 100% metering in the State."

11. Tariff Petitions/orders on ARR for FY 2013-14 to FY 2015-16 and Tariff for 2013-14 for JKPDD- Distribution.

In accordance with the J&KSERC (Multi Year Distribution Tariff) Regulations, 2012. The Petitioner (JKPDD) was required to file separate petition for:-

- a) Approval of Business plan for the MYT Control Period of (FY 2013-14 to FY 2015-16) seeking approval of its capital expenditure plan for the MYT period based on the proposed demand forecasts, power procurement plan, loss trajectory and efficiency targets by September 30, 2012 and
- b) Approval of Aggregate Revenue Requirement (ARR) and expected revenue from tariff and charges for distribution business for the MYT control period (FY 2013-14 to FY 2015-16) by November 30, 2012.

There was delay in filing of the Business Plan petition and the petitioner submitted both the petitions for approval of Business Plan and ARR for MYT Control Period on November 30, 2012.

The Commission on scrutinizing the ARR petition noted that the petitioner had submitted an incomplete petition for approval of ARR for MYT period (FY 2013-14 to FY 2015-16) as the tariff proposal for the MYT Control Period was not included in the petition. Moreover, on initial scrutiny of the petition, the Commission noted several data discrepancies and additional information requirements which were communicated to the petitioner. The petitioner submitted its replies vide its letter dated 27.12.2012. The Commission on detailed analysis noted further data discrepancies and additional information requirement.

The Commission held a technical validation session with the petitioner for discussion on its ARR petition for MYT Control Period. The Commission took into consideration the replies submitted by the petitioner on several queries raised by the Commission vide its letter dated; 07.01.2013. However, the petitioner did not submit the tariff

proposal for MYT period. The Commission directed the petitioner to submit the Tariff proposal by February 04, 2013.

The petitioner submitted the tariff proposal for first year of the MYT Control Period i.e. FY 2013-14 on 18.02.2013 along with the revised petition for determination of ARR for the MYT Control Period (FY 2013-14 to FY 2015-16) to include un-regularized/un-registered but energized connection as per the census 2011 report which were inadvertently left out by the petitioner in its earliest submission. The above-mentioned change necessitated change in the projections for energy sales, loss trajectory and power purchase plan. The Commission again convened a meeting with the officials of the Petitioner for admission of the revised ARR/Tariff petition for the MYT control period on February 27, 2013. During the meeting, the petitioner provided clarifications on the issues raised by the Commission, which the Commission noted and also admitted the ARR petition for the MYT control period and Tariff Proposal for FY 2013-14 on the same date i.e. 27.02.2013.

The Commission vide its letter no. JKSERC/Secy/31/1363-64 dated February 20, 2013 directed the Petitioner to publish the gist of the ARR petition for the MYT period FY 2013-14 to FY 2015-16 and Tariff proposal for FY 2013-14 as public notice and invite comments/objections/suggestions from the stakeholders including consumers on the above mentioned petitions filed.

The approved gist of ARR petition for the MYT period from FY 2013-14 to FY 2015-15 and the Tariff proposal for FY 2013-14 was published by the Petitioner in various widely circulated newspapers on February 23, 2013. The stakeholders were requested to submit their written comments/ suggestions/ objections latest by March 15, 2013.

11.1 Meeting of the State Advisory Committee

The Commission convened a meeting with the Members of the State Advisory Committee (SAC) on March 15, 2013 for the purpose of discussing the ARR Petition for entire MYT Period from FY 2013-14 to FY 2015-16 and Tariff Petition for FY 2013-14 filed by the JKPDD-D.

The representatives from the JKPDD-D highlighted the main components of the ARR/Tariff petition and major items of expenditure and revenue were discussed and analyzed by the members of the SAC. The members of the SAC raised and discussed the general condition of power supply in the state and the dismal performance of JKPDD-D in respect of arresting the T&D losses, extremely slow pace of installation of meters, conducting meter inspections, lack of proper meter reading, billing and collection efficiencies, curbing theft, improving and strengthening the distribution network.

Some of the key points raised and discussed by the Committee have been summarized below:

- (a) Even though the Petitioner has proposed to undertake a major capital investment program during the next three years to improve the T&D infrastructure in the State, the members of the SAC were of the view that it is unlikely that the Petitioner would be able to raise funds for meeting the proposed plan especially with respect to new investments proposed.
- (b) The Committee pointed out that even though theft and pilferage in the Petitioner's system are very high; no serious and concrete measures have been taken for detecting theft. Also corrective actions to curb such un-lawful activities have been missing. The Committee suggested that the Petitioner should improve its billing and collection efficiency in order to curb theft/pilferage in its

areas. Further, the Committee also suggested that the Commission should direct the Petitioner to submit action plan for curbing theft in its areas with clearly defined timelines.

- (c) In view of the dismal performance of the Petitioner with respect to consumer metering, the Committee suggested that the Commission should analyze the details of actual meters installed during the previous year.
- (d) The Committee also pointed out that the Petitioner has claimed water usage charges twice in its Petition. The water usage charges are included in the proposed tariff of JKSPDC and also separately claimed by the Petitioner, which results in double accounting.
- (e) The Committee also drew the attention of the Commission towards the glaring discrepancies in the data submitted by the Petitioner in the ARR/Tariff Petition and that in the figures available in records of the State Government Budget and Annual Resource Plan. Thus, proper verification should be carried out while approving the ARR/Tariff for MYT control period by the Commission.

The suggestions made by the members of the Committee were noted and considered by the Commission while issuing the final orders.

11.2 Public Hearing

In order to maintain transparency in the tariff setting process, the Commission involved the stakeholders by initiating a public consultation process to understand their views on various aspects of the ARR for 3-year MYT control period from FY 2013-14 to FY 2015-16 and the Tariff proposal for FY 2013-14 filed by the Petitioner. Accordingly, the Public hearings on ARR for MYT

Control period from FY 2013-14 to FY 2015-16 and Tariff petition for FY 2013-14 filed by JKPDD-D were held at Jammu and Srinagar as per the details provided below:

Details of Public Hearings

Place/ city	Date	Location
Jammu	March 18, 2013	PWD, Rest House, Gandhi Nagar
Srinagar	March 20, 2013	IMPA Auditorium

The Commission also invited various industrial organization and consumer bodies to take part in the process of tariff determination and represent the interests of the consumers. The comments/ objections/ suggestions received during the hearings were duly considered while finalizing the Orders.

Based on the various components, the summary of ARR for the MYT control period (FY 2013-14 to 2015-16) as submitted by the petitioner and as approved by the Commission is indicated in the following table:-

Particulars	2013-14		2014-15		2015-16	
	Proposed by Petitioner	Approved by J&KSERC	Proposed by Petitioner	Approved by J&KSERC	Proposed by Petitioner	Approved by J&KSERC
Power Purchase costs	4272.92	3327.00	4477.41	3613.80	4697.27	4064.77
Employee Cost	494.54	375.46	529.15	410.63	566.19	449.45
A&G Cost	26.21	20.10	27.53	21.60	28.90	23.20
R&M Cost	32.46	33.97	34.09	41.19	35.79	51.36
O&M Cost	553.21	429.53	590.77	473.42	630.89	524.02
Depreciation	204.19	6.68	238.30	7.92	276.05	9.47
Interest & finance	19.15	16.08	23.10	18.33	28.17	21.28

Particulars	2013-14		2014-15		2015-16	
	Proposed by Petitioner	Approved by J&KSERC	Proposed by Petitioner	Approved by J&KSERC	Proposed by Petitioner	Approved by J&KSERC
charges						
Interest on working capital	144.26	48.71	153.25	51.77	163.08	59.58
Gross ARR	5193.72	3827.99	5482.83	4165.24	5795.46	4679.13
Add: Return on Equity	0.00	0.00	0.00	0.00	0.00	0.00
Less: Non-Tariff income	14.09	14.09	14.80	14.80	15.54	15.54
Net ARR	5179.63	3813.90	5468.03	4150.44	5779.92	4663.59

Based on the assessed revenue realization at existing tariffs, the revenue gap for the MYT control period (FY 2013-14 to FY 2015-16) as approved by the Commission has been summarized in the following table:

Particulars	2013-14	2014-15	2015-16
Approved ARR	3,813.90	4,150.44	4,663.59
Revenue Realization at existing tariffs	1,726.26	1,825.72	2,111.04
Revenue Gap at existing tariffs	2,087.14	2,324.72	2,552.55

As per the Commission's approach for fixation of retail tariffs and allowance of zero losses, the Commission has approved the average tariffs across various consumer categories. The Commission has allowed an average tariff of Rs. 3.56/ kWh for FY 2013-14 which is an increase of approximately 8.5% in comparison to the existing tariff as against the proposed hike of 13.53% by the Petitioner. The following table summarizes the category-wise average tariffs at existing rates, average tariffs at proposed rates and

Proposed tariff hike as submitted by Petitioner and as approved by the Commission:-

Consumer Category	Proposed by the Petitioner			Approved by the Commission		
	Average Rate @ Existing Tariffs # (Rs/kWh)	Average Rate @ Proposed Tariffs (Rs/kWh)	% Increase	Average Rate @ Existing Tariffs # (Rs/kWh)	Average Rate @ Proposed Tariffs # (Rs/kWh)	% Increase
Domestic	2.13	2.33	10%	2.16	2.34	8%
Non-Domestic	3.37	3.67	9%	3.42	3.84	12%
State/ Central Govt. Dept.	6.31	7.26	15%	6.15	6.27	2%
Agriculture	3.08	3.43	11%	3.03	3.40	12%
Public Street Lighting	4.68	5.27	13%	4.65	5.04	8%
LT Public Water Works	3.91	4.39	15%	3.67	3.97	8%
HT Public Water Works	4.34	4.99	15%	4.48	5.15	15%
LT Industrial	2.97	3.42	15%	2.98	3.35	12%
HT Industrial	3.11	3.73	20%	3.67	4.00	9%
HT PIU	3.52	4.22	20%	4.14	4.65	12%
Bulk Supply	3.07	4.88	20%	4.91	5.28	8%
Average Rate	3.18	3.61	13.53%	3.28	3.56	8.5%

At the approved tariff, the average gap with respect to the average cost of supply based on approved losses (of 45.26%) of Rs.7.25/kWh comes to Rs.3.69/kWh which indicate dependence on subsidy/ Government support to the extent of 51%. Consumer category wise tariff compared with the average cost of supply and extent of subsidy dependence in each case is indicated in the table below:

Consumer Categories	Approved Average CoS at approved loss level	Approved Average Tariff	Gap	Gap
	Rs/kWh	Rs/kWh	Rs/kWh	%
Domestic	7.25	2.34	4.91	68%
Non-Domestic/ Commercial	7.25	3.84	3.41	47%
State/Central Govt. Dept.	7.25	6.27	0.98	14%
Agriculture	7.25	3.40	3.85	53%

Consumer Categories	Approved Average CoS at approved loss level	Approved Average Tariff	Gap	Gap
	Rs/kWh	Rs/kWh	Rs/kWh	%
Public Street Lighting	7.25	5.04	2.21	30%
LT Public Water Works	7.25	3.97	3.28	45%
HT Public Water Works	7.25	5.15	2.10	29%
LT Industrial Supply	7.25	3.35	3.90	54%
HT Industrial Supply	7.25	4.00	3.25	45%
HT-PIU Industrial Supply	7.25	4.65	2.60	36%
General Purpose/ Bulk Supply	7.25	5.28	1.97	27%
Average	7.25	3.56	3.69	51%

11.3 Directives

The Commission had issued a number of directives to the PDD through Tariff Orders, but the Commission was not satisfied with the progress and reporting being done by the PDD. The Commission took strong objection to non-compliance of its directives by JKPDD and warned that the Commission shall be forced to take punitive measures against JKPDD, under Section 102 and 106 of the J&K Electricity Act, 2010 for its inaction and directed the JKPDD to comply with the directives in future. Gist of the directives issued and the status of the compliance reported by Utility together with observations of Commission thereon are indicated in Annexure-IV to this order. The Commission also issued following additional directives to PDD in the tariff order for the year 2013-14.

System Studies & Feeder-Wise Energy Audit	To carry out system studies for determination of transmission loss in the system and also conduct feeder-wise energy audit and consumer indexing for estimating the base T&D loss level. Subsequently, the Petitioner should identify feeders with high loss levels and develop a holistic loss reduction plan for reducing distribution losses on such feeders. The Commission directs the Petitioner to submit a report in this regard within 6 months of issue of the order on 'Business Plan for three year MYT period from FY 2013-14 to FY 2015-16' dated March 22, 2013.
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Detailed Investment Plan for New Distribution Works	To submit the detailed investment plan along with the cost benefit analysis for the proposed new distribution works to be submitted along with the Annual Performance Review (APR) & Tariff petition for FY 2014-15.
Audit for Metering	To conduct an independent audit of actual consumers metered and consumers pending for metering during the MYT period and submit quarterly reports within the first week of the succeeding month of the quarter to the Commission for monitoring purposes.
Progress Monitoring Report	To submit quarterly information on each of all the existing schemes approved by the Commission along with the Detail Project Report of all new schemes approved by the Commission which are being implemented in the ensuing quarter. The information to be submitted should be consistent with the DPR for the respective schemes. Any scheme without a detailed DPR would be disallowed by the Commission. The format for the submission of quarterly information is enclosed as the Annexure 1 of the order on 'Business Plan for three year MYT period from FY 2013-14 to FY 2015-16' dated March 22, 2013. The Petitioner is directed to submit the desired information along with the DPRs of new schemes within the first week succeeding every quarter on cumulative basis. Non-compliance in this regard shall invite penal action.
Meter Testing Arrangements	To put in place an accredited independent third party meter testing arrangement in all districts and also prepare norms for allowing consumers to purchase their own meters of approved specification of competent authority duly tested and certified by such accredited third party testing agencies. In-Situ meter testing facilities may be included at Divisional & Sub-Divisional levels in J&K.
Theft and Pilferage of Electricity	<p>i) To constitute a task force in each circle to carry out massive raids on a regular basis to check pilferage of electricity. The officers in charge of the concerned Circles shall have to be made answerable in case of detection of theft/pilferage of electricity in their areas of operation, besides booking those consumers committing theft/pilferage and penal action taken against them.</p> <p>ii) To submit the quarterly reports within first week of the month succeeding the quarter on 'Theft Detection and Penalty Imposed/Realized' and make available these reports</p>

	in the public domain so that the efforts of the Utility in curbing theft can be recognized by the masses. It is to be noted that these reports should also include additional information such as FIR lodged etc.
Low Load Factor	To undertake testing of all those consumers in non-domestic and LT Industries categories whose monthly load factor is less than 1%. The Utility was also directed to undertake the exercise of establishing the Load Factor Data base of the state and submit the report by September 30, 2013.
Energy Awareness Programme	To submit quarterly compliance report within first week of the month succeeding the quarter under the 'Bureau of Energy Efficiency' sponsored schemes including the Bachat Lamp Yojana.
Metering	To develop a comprehensive metering plan for completion by end of FY 2015-16 and get it approved by the State Government with an undertaking of the support of GoJK on compliance of the relevant provisos of the Act by the Licensee. Further the Utility was directed to submit the State Government approved metering plan to the Commission before the completion of existing deadline i.e. by June 30, 2013.
Segregation of Costs	To maintain asset data for opening GFA and the audited data for both distribution and transmission function and submit the same to the Commission by September 30, 2013.
TOD Tariff	To submit the report on assessment of TOD Tariff including consumption details of peak and off-peak periods for all HT consumers on a monthly basis before September 30, 2013.
Demand Side Management	To submit a detailed Demand Side Management (DSM) plan along with the ARR & Tariff petition for the MYT Control period from FY 2013-14 to FY 2015-16 as directed by the Commission earlier. Further, the J&KSERC (Multi Year Distribution Tariff) Regulations, 2012 also provide that the Petitioner should develop a comprehensive power purchase and procurement plan after accounting for DSM Plan. Thus, the Commission again directed the Petitioner to submit a DSM Plan for approval of the Commission by June 30, 2013.

Arrear Recovery	To submit quarterly reports on arrears outstanding against each category of consumers. The Commission would like to know the collection, billing and accounting of arrears of previous years in the revenue realized of a particular year. A complete detail of arrears and their realization from FY 2006-07 should be made available to the Commission latest by June 30, 2013.
Actual Cost of Supply	To conduct a study to determine the actual cost of supply for each consumer category as per the methodology prescribed by this Commission in the J&KSERC (Multi Year Distribution Tariff) Regulations, 2012 and submit the report by September 30, 2013.

12. Aggregate Revenue Requirement and Determination of Tariff for FY 2013-14 to FY 2015-16 for JKPDD- Transmission.

JKPDD, viz. Power Development Department (PDD), Government of Jammu & Kashmir is the sole transmission and distribution utility in the State of Jammu and Kashmir.

The Government of Jammu & Kashmir, vide Order No. 264 PDD of 2012 dated September 05, 2012, has ordered for unbundling of JKPDD and setting up of one transmission company, two distribution companies (one each for Jammu and Kashmir divisions) and one trading company with the function of a holding company. In line with the above order, GoJK has ordered for setting up of the following companies vide Order No. 285 PDD of 2012 dated September 21, 2012:

- a) Jammu & Kashmir State Power Transmission Company Limited
- b) Jammu & Kashmir State Power Trading Company Limited
- c) Jammu Power Distribution Company Limited
- d) Kashmir Power Distribution Company Limited

As the process of unbundling is still under progress, JKPDD has filed the petition for approval of Aggregate Revenue Requirement and transmission charges for its transmission business for the entire MYT Control period from FY 2013-14 to FY 2015-16 under the provisions of the J&KSERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2012 and J&KSERC (Conduct of Business) Regulations, 2005.

In accordance with the applicable Regulations i.e., the J&KSERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2012, the Petitioner was required to file an application for approval of Aggregate Revenue Requirement (ARR) for the Control Period (FY 2013-14 to FY 2015-16) by November 30, 2012 (as per Regulation 3.2 of the said Regulations). JKPDD-T filed the MYT Petition before the Commission on November 30, 2012. Further, on initial scrutiny of the MYT Petition, the Commission vide its letter dated December 18, 2012 directed the Petitioner to submit certain clarifications. The Commission also sent two more discrepancy/deficiency notes vide letters dated January 07, 2013 and January 14, 2013. The Petitioner subsequently submitted its replies to the queries raised by the Commission vide its letter dated January 22, 2013. Further, the Commission directed the Petitioner to attend a meeting scheduled on January 28, 2013 for discussion on the MYT Petition.

The Commission held a technical validation session with the JKPDD-T on the MYT Petition on January 28, 2013 and took into consideration the reply submitted by the Petitioner to its deficiency note and additional data /clarifications submitted by the Petitioner and admitted the MYT Petition of JKPDD-T on the same day.

The approved gist of the petition for the MYT Control Period (FY 2013-14 to FY 2015-16) was published by the Petitioner in various widely circulated newspapers on February 23, 2013. The stakeholders were requested to submit their written comments/ suggestions/ objections latest by March 20, 2013.

12.1 Meeting of the State Advisory Committee

The Commission convened a meeting of the State Advisory Committee (SAC) on March 15, 2013 in Jammu to discuss the ARR and Tariff petition submitted by JKPDD-T.

The issues and concerns raised and the suggestions and recommendations offered by the SAC members were considered by the Commission while issuing the final orders.

12.2 Public Hearings

In order to maintain transparency in the process for approval of the MYT Petition for JKPDD-T, the Commission involved the stakeholders by initiating a public consultation process to understand their views on various aspects with the public hearing conducted for the MYT petition for FY 2013-14 to FY 2015-16 filed by the Petitioner. Accordingly, the public hearings on the MYT Petition filed by JKPDD-T were held at Jammu and Srinagar as per the details provided in the following table:

Place/ city	Date	Location
Jammu	March 18, 2013	PWD, Guest House, Gandhi Nagar
Srinagar	March 20, 2013	Auditorium, IMPA, Moulana Azad Road, Srinagar

The Commission also invited various industrial organizations and consumer bodies to take part in the process of tariff determination and represent the interests of the consumers. The comments/ objections/ suggestions received during the hearings were duly considered while finalizing the Order on the ARR/Tariff Order for the MYT Control Period.

The Commission analyzed the projected cost for each of the items in the ARR in detail in the Order. However, the data used by the Commission for the analysis for some of the items, including segregation of costs between the transmission and distribution business of JKPDD is provisional and may need to be revised at a later date. The approved annual revenue requirement for the 3 year MYT Control Period (FY 2013-14 to FY 2015-16) is given in the table below:-

Particulars	FY 2013-14	FY 2014-15	FY 2015-16
O&M Expenses	100.02	121.58	140.23
Depreciation	0.00	0.00	0.00

Interest & Finance Charges	0.00	0.00	0.00
Interest on Working Capital	5.31	6.53	7.95
Return on Equity	0.00	0.00	0.00
Total Expenditure	105.33	128.11	148.18
Less: Non Tariff Income	0.00	0.00	0.00
Approved Annual Revenue Requirement	105.33	128.11	148.18

Based on the approved Aggregate Revenue Requirement (ARR), the Commission approved transmission charges of Rs 37.04 /KW /Month for FY 2013-14 considering transmission capacity of 2,369,800 KW as submitted by the Petitioner. The Petitioner projected the transmission capacity at 2,369,800 KW for all the three years of the MYT Control Period. However, in view of the capital investments being undertaken by the Petitioner, the transmission capacity is expected to increase in subsequent years. Therefore, the Commission did not determine the transmission tariff/charges for the entire MYT Control Period (FY 2013-14 to FY 2015-16) but approved transmission charges for the first year of the MYT Control Period i.e. FY 2013-14 only. The transmission charges (in/KW/month) for subsequent years shall be approved at the time of the Annual Performance Review.

12.3 Directives

The State Government has notified various policies for accelerating the pace of harnessing of Hydel and other Renewable Energy Sources for generating power. The JKPDD-T being the sole transmission utility of the State has a critical responsibility of planning and augmenting the evacuation, transmission and grid connectivity not only to match the growing demand for power but also to allow wheeling and transmission of power generated from the new/upcoming projects in the State. Keeping in view the importance of the issue, various directives have been given by the Commission to the Utility in this regard in Suo-moto Petition No.:JKSERC/39/SM of 2013. Besides, the

Commission has issued the following directives to the Petitioner while approving the MYT order for FY 2013-14 to FY 2015-16:-

Segregation of Accounts	To segregate costs between transmission and distribution functions and maintain separate accounts for both functionaries. To maintain separate Fixed Asset Registers (FAR) for transmission and distribution functions. The valuation of assets should be done on the basis of historical cost or, in the absence/non availability of such information, through an independent valuation. To provide the asset wise details of the GFA allocated to the transmission business to the Commission.
Maintenance of Grid Stations	To submit to the Commission a status report on proper up-keep and maintenance of transmission lines and grid stations. The Petitioner was also directed to maintain adequate spares and transformer capacities to prevent prolonged outage of the transmission system. To procure two Emergency Restoration Systems (ERS), one each for Jammu and Kashmir region.
Monitoring of Capital Expenditure	To submit the information required regarding the capital expenditure schemes within the first week succeeding every quarter on cumulative basis. Non-compliance in this regard shall invite penal action.
Transmission Loss	To carry out system studies for determination of transmission loss in the system through scientific methods and energy audit for estimating the actual transmission loss level for the base year. The Commission directed the Petitioner to submit the report along with Annual Performance Review/tariff petition for FY 2014-15.
Power System Studies	To submit proposal for studies to be undertaken during FY 2013-14 within 3 months of issue of Order and thereafter a detailed cost benefit analysis of each study along with the Annual Performance Review. To submit to the Commission a map of the transmission system showing accurately the spread of the existing transmission system in the State, transmission system under implementation and the proposed transmission corridors.
Monitoring of Availability of Transmission System	To monitor and declare the availability of the transmission system. The procedure for calculation of the transmission system availability is given in the Transmission MYT Regulations, 2012. The availability should also be certified by the State Load Despatch Centre (SLDC).

13. Tariff Order of Hydro Electric Power Stations of Jammu & Kashmir State Power Development Corporation (Generation Utility) for FY 2013-14.

The petition was filed by the petitioner (JKSPDC) for the hydro stations as per the J&KSERC (Terms and Conditions for Determination of Hydro Generation Tariff) Regulations, 2011 (hereinafter referred to as the J&KSERC Hydro Generation Tariff Regulations, 2011) and for the transmission line as per J&KSERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2012 (hereinafter referred to as the J&KSERC Transmission Tariff Regulations, 2012).

The Petitioner owns and operates twenty two (22) hydro electric projects and one (1) transmission system and two (2) gas based thermal power stations in the state of Jammu and Kashmir. Mohra HEP has not been functioning since it suffered severe damages in the floods of 1992. Sanjak HEP has not been declared commercially operational yet, though it was energized in October 2011. Baglihar Hydro Electric Station and Baglihar Transmission System were declared as commercially operational on April 01, 2009.

In addition to the above mentioned hydro electric projects, the Petitioner also has two Gas based Thermal Power Stations with a total of seven units. These are operated only on call from the JKPDD because of the prohibitive cost of power generation of these stations. The State Government bears the cost of fuel whenever these units are operated.

The Petitioner filed a petition with the Commission on November 23, 2012 for approval of AFC and Tariff Petition for FY 2013-14 for:

- (a) Eight (8) Hydro Electric Projects, namely USHP II, Chenani III, Sewa III, Pahalgam, Igo – Marcellong, Baderwah, Marpachoo, Haftal.

- (b) Ten (10) old Hydro Electric Projects, namely USHP I, Lower Jhelum, Ganderbal, Chenani I, Karnah, Iqbal Bridge, Bazgo, Sumoor, Hunder, Chenani II.
- (c) Baglihar Hydro Electric Project Stage I which includes Baglihar Hydro Electric Project [Baglihar-Hydro] and a 68km long 400 kV double circuit transmission line from Baglihar to Kishenpur and two bays at 400 kV Kishenpur sub-station of PGCIL [Baglihar-Transmission System].
- (d) 1.26 MW Sanjak HEP for which a test run was conducted in October 2011 but it has not yet been declared commercially operational.
- (e) 4 MW Stakna HEP transferred to JKSPDC from JKPDD in March 2011
- (f) Gas based thermal power station I and II situated at Pampore.

The Commission on preliminary review of the Tariff Petition for FY 2013-14 directed the Petitioner to submit further information/clarifications on several issues vide its letter dated January 07, 2013. The Petitioner consequently submitted additional data and clarifications through its letter dated January 23, 2013.

The Commission held a technical validation session with the Petitioner on January 28, 2013 and took into consideration the supplementary information provided by the Petitioner in the technical validation session and admitted the petition on the same day.

The Commission vide letter No. J&KSERC/Secy/26/1288 dated January 30, 2013 directed the Petitioner to issue a summary of its petition and tariff proposals as Public Notice and invite comments/objections/ suggestions from the Stakeholders including consumers on the Tariff Petition filed. The summary of the petition and tariff proposal was accordingly published by the Petitioner in leading newspapers of the

J&K State and the Stakeholders were requested to submit their comments/ suggestions/ objections by February 22, 2013.

13.1 Meeting of the State Advisory Committee

The Commission convened a meeting with the Members of the State Advisory Committee (SAC) in Jammu on March 15, 2013 for discussing the AFC and Tariff Petition filed by the Petitioner for determination of tariff of the 21 Hydro Generation Stations and Baglihar Transmission System for FY 2013-14.

The State Advisory Committee discussed the AFC and Tariff Petition submitted by JKSPDC in detail. Representatives from JKSPDC highlighted the main components of the AFC & Tariff Petition and major items of expenditure and revenue. The members of the SAC provided several valuable suggestions which have been considered, summarized and mentioned at appropriate places in this Tariff Order by the Commission.

13.2 Public Hearings

The Commission initiated a public consultation process to understand the views of the stakeholders on the various aspects of the AFC and Tariff Petition filed by the Petitioner. Accordingly, public hearings on AFC & Tariff Petition were held at Jammu and Srinagar as per the details given below:

Place/ city	Date	Location
Jammu	February 28, 2013	PWD, Rest House, Gandhi Nagar
Srinagar	March 03, 2013	IMPA Auditorium

The Commission also invited some prominent persons and consumer bodies to take part in the process of tariff determination and represent the interests of consumers. The comments/ objections/ suggestions received during the hearings have been duly considered while finalizing the Order.

The approved Annual Fixed Charges (AFC) and Indicative Tariff for the FY 2013-14 for 8 Hydro Electric power Stations calculated at net saleable energy is as given below:-

Name of the HEP	FY 2013-14 AFC (Rs. Crore)		FY 2013-14 Indicative Tariff (Rs. Per KWh)	
	Prop.	Appr.	Prop.	Appr.
USHP-II	44.61	36.56	1.01	0.83
Chenani-III	5.68	5.00	1.56	1.37
Sewa-III	7.19	6.36	2.20	1.94
Bhaderwah	1.43	1.20	1.74	1.46
Pahalgam	8.19	7.68	5.54	5.20
Haftal	2.43	2.19	5.02	4.54
Marpachoo	1.94	1.76	5.16	4.69
Igo-Mercellong	7.51	7.10	4.78	4.51
Total AFC/weighted Average Indicative Tariff (Rs./kWh)	78.98	67.85	1.40	1.20

The approved the annual fixed charges and indicative tariff for FY 2013-14 of 10 old HEPs calculated at net saleable energy is as given in the table below:-

Name of the HEP	FY 2013-14 AFC (Rs. Crore)		FY 2013-14 Indicative Tariff (Rs. Per KWh)	
	Prop.	Appr.	Prop.	Appr.
Karnah	3.39	3.25	3.02	2.90
USHP-I	8.46	6.30	0.80	0.60
Lower Jhelum	43.81	36.46	0.73	0.61
Ganderbal	5.17	3.73	0.58	0.42
Iqbal bridge	3.98	3.73	1.89	1.77
Bazgo	0.36	0.34	3.38	3.18
Sumoor	0.16	0.15	3.50	3.32
Hunder	0.47	0.44	2.67	2.51
Chenani-II	1.25	1.12	1.05	0.94
Chenani-I	9.68	7.70	0.89	0.71
Weighed Average Indicative Tariff (Rs./kWh)	76.73	63.22	0.80	0.66

13.3 AFC/Tariff for Baglihar FY 2013-14

The Baglihar Hydro Electric Project was declared commercially operational on April 01, 2009. The Project has three units of 150 MW each and a 68km long 400 kV double circuit transmission line from Baglihar to Kishenpur and two bays at 400 kV Kishenpur sub-station of PGCIL [Baglihar-Transmission System].

The Petitioner submitted that for approval of tariff for the Baglihar Transmission System the petition has been filed in accordance with the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2009, as J&KSERC has not specified tariff regulation for the transmission business separately but the Commission during the technical validation session pointed out to the Petitioner that J&KSERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2012 are already in place. Therefore, the Commission vide letter No. J&KSERC/1300 dated February 06, 2013 directed the Petitioner to resubmit the Annual Revenue requirement for Baglihar Transmission line as per J&KSERC Transmission Tariff Regulations, 2012. The Petitioner made its submission vide letter PDC/Tech/P-241/T/835/8254-55 dated February 22, 2013.

The table below provide particulars regarding the Baglihar HEP Stage-I such as approved capital cost, installed capacity, design energy, net saleable energy and date of Commissioning of the project:-

Name of HEP	Particulars	Total project cost incl. IDC and FC (Rs.in crore)	Design energy	Net saleable energy (MU)	Date of commissioning
Baglihar Hydro Electric Project	450 MW Installed capacity	5479.64	2536.07	2498.03	April 01, 2009
Baglihar transmission system	68 KM 400 kV Double ckt. Line	168.81	-	-	April 01, 2009

The proposed AFC and indicative tariff in respect of Baglihar Hydro and Baglihar Transmission system for FY 2013-14 are given in the following table.

Description	Baglihar Hydro Project	Baglihar Transmission System
O&M Expenses	96.00	1.85
Interest on Loan	213.71	6.43
Depreciation	143.91	8.87
Advance Against Depreciation (AAD)	180.95	1.22
Return on Equity	226.84	7.81
Interest on Working Capital	33.46	0.60
Consultancy Charges	2.46	-
Total Annual Fixed Cost	896.60	26.78
Design Energy (In MU)	2498.03	2498.03
Indicative Tariff (Rs per kWh)	3.59	0.11

The approved AFC and indicative tariff in respect of Baglihar Hydro and Baglihar Transmission system for FY 2013-14 is as given in the following table:-

Description	Baglihar Hydro Project	Baglihar Transmission System
O&M Expenses	96.00	0.59
Interest on Loan	174.47	5.37
Depreciation	119.15	3.83
Advance against Depreciation (AAD)	137.55	4.07
Return on Equity	197.57	6.73
Interest on Working Capital	26.25	0.76
Consultancy Charges	2.47	0.00
Total Annual Fixed Cost	753.45	21.35
Less: Non-tariff income	24.08	0.74
Net ARR	729.37	20.61
Net Saleable Energy in MU	2498.03	2498.03
Indicative Tariff Rs. per kWh	2.92	0.08

13.4 AFC/Tariff for Stakna FY 2013-14

The Petitioner has submitted the AFC for Stakna HEP based on the capital cost and design energy determined by the independent valuer. The AFC and indicative tariff submitted for approval are given in the table below:

Description	Amount
O&M Expenses	0.39
Interest on Loan	0.00
Depreciation	0.21
Advance Against Depreciation (AAD)	0.00
Return on Equity	0.53
Interest on Working Capital	0.06
Consultancy Charges	0.02
Total Annual Fixed Cost	1.21
Design Energy (In MU)	4.46
Indicative Tariff (Rs per kWh)	2.72

The approved AFC and tariff for Stakna HEP for FY 2013-14 calculated at net saleable energy is as given in the table below:-

Description	Amount
O&M Expenses	0.20
Interest on Loan	0.00
Depreciation	0.20
Advance against Depreciation (AAD)	0.00
Return on Equity	0.53
Interest on Working Capital	0.04
Consultancy Charges	0.02
Total Annual Fixed Cost	0.99
Less: Non-tariff income	0.22
Net ARR	0.77
Net Saleable Energy in MU	19.33
Indicative Tariff Rs. per kWh	0.40

13.5 AFC/Tariff for Sanjak FY 2013-14

The Petitioner in its petition submitted estimated completion cost and the design energy of Sanjak HEP which was energized in October 2011 but is yet to be declared as commercially operational. The proposed AFC and indicative tariff submitted are given in the table below:-

Description	Amount
O&M Expenses	0.46
Interest on Loan	1.46
Depreciation	0.48
Advance Against Depreciation (AAD)	0.75
Return on Equity	0.78
Interest on Working Capital	0.15
Total Annual Fixed Cost	4.08
Design Energy (In MU)	4.42
Indicative Tariff (Rs per kWh)	9.25

Sanjak HEP has been included in the Tariff Petition submitted for FY 2013-14. This is a new hydro generating station and it was energized by JKSPDC in October 2011. However, it has not been declared commercially operational as yet. The Commission is of the view that the AFC and tariff with respect to Sanjak HEP should be submitted by the Petitioner in the next Tariff Petition filed by them and it shall be approved with retrospective effect from the date of declaration of CoD. The Commission has not considered submissions made by the Petitioner with respect to AFC and tariff of Sanjak HEP in the Tariff Order issued for FY 2013-14.

13.6 Directives

The Commission, based on its analysis of the AFC & Tariff Petition and the compliance to previous directives submitted by the Petitioner and information and suggestions received during the public hearing

process on the functioning of the Petitioner, directed the Petitioner to comply with the following directives given in the order:-

Directives	
Directive 1	Performance Improvement measures
	<p>. To conduct benchmarking studies of its plants with other efficient utilities and get the performance audit of all its station from reputed institutes like AHEC, Roorkee before filing of next tariff Petition.</p>
Directive 2	Maintenance of records of non-tariff Income
	<p>. To submit to the Commission, the details of the non-tariff income earned by the corporation in last three years within 3 months of the issue of this order.</p> <p>. The Petitioner in its next Tariff Petition should project non-tariff income that is expected from each station and income from other business, if any.</p>
Directive 3	Maintenance of accurate records and rationalization of O&M expenses
	<p>. To maintain accurate and complete records of O&M expenditure incurred in respect of all its generating stations. The Petitioner should work out a cost effective model to reduce its O&M expenses which are currently very high.</p>
Directive 4	Revised capital cost of Baglihar HEP Stage I
	<p>. To obtain the approval on revised project cost from the CWC/CEA enabling the Commission to approve final capital cost of the Baglihar HEP stage-I .</p>
Directive 5	Maintenance of data recording system
	<p>. To frame out an effective plan for maintenance of the data recording system. For any generating station, it is very important to compare the actual parameters with normative targets. The Petitioner was directed to ensure that the system</p>

Directives	
	should be such, that the daily details of the operational parameters are updated in the system which could also be accessible to the management at the head office. This will not only help the Petitioner to identify roadblocks in the smooth functioning of the station but also to take a quick decision for rectification of the same.
Directive 6	Details regarding consultancy charges
	. To submit along with the next tariff Petition, the impact analysis of the consultancy works that have been outsourced and the benefits that the utility has reaped on incurring such expenditure as the Commission has allowed a total amount of Rs. 10.22 Cr. in lieu of reimbursement towards consultancy charges in its earlier and present order.
Directive 7	Establishment of training schools
	. The Commission in its earlier orders had directed the Petitioner to expedite the creation of inbuilt training and capacity building centres. The Petitioner under its ownership and operation has 20 hydel plants including Baglihar HEP and two gas turbine stations. There is an urgent requirement to establish its own training facilities for upgrading the skills of its employees. The Petitioner was once again directed to initiate expeditious steps in this direction and establish training facilities, including hydro training school, for its employees.

14. Annual Performance Review (APR) for FY 2013-14 and tariff revision proposal for FY 2014-15.

The Commission shifted to Multi Year Tariff regime in the Distribution and Transmission Business in line with Section 55 of Act in order to bring efficiency and reliability in the Power Sector of the State.

1. As per sub-Regulation (4) of Regulation 47 of JKSERC (Conduct of Business) Regulations, 2005 and Sub-Regulation (2) of Regulation 12 of JKSERC (Multi Year Distribution Tariff) Regulations, 2012, the Petitioner was required to file the petition for Annual Performance Review (APR) for FY 2013-14 to assess the performance vis-à-vis the target approved by the Commission at the beginning of the Control period and Tariff proposal for FY 2014-15 by November 30, 2013.
2. There was delay in filing of the APR petition by JKPDD-D. The Development Commissioner (Power) JKPDD filed a Petition No. JKSERC/38 of 2013 before the Commission on November 27, 2013 seeking an extension in date of filing of tariff petition up to January 30, 2014 on the grounds of inadequate response to the tenders floated by the Petitioner for engagement of consultants to assist the Utility in preparing and filing of the APR/Tariff Petition before the Commission.
3. On the assurance of the Petitioner that they are in the process of engaging a consultant in response to a fresh tender notice floated by them, the Commission, vide its Order No. JKSERC/30 of 2013 dated December 06, 2013 granted extension of filing the Petition by or before December 31, 2013.
4. The Petitioner failed to submit the Petition for APR for FY 2013-14 and Tariff for FY 2014-15 by the stipulated revised date as specified by the Commission's Order dated December 06, 2013. The Commission, vide its Letter No. JKSERC/Secy/ 33/ 1294-95 dated January 16, 2014 again reminded the Petitioner to take necessary action and file the APR/ Tariff Petition. Thereafter, the Commission issued a final notice to the Development Commissioner (Power), JKPDD vide its Letter No JKSERC/Secy/33/1437 dated February 06, 2014 stating that in case the Utility fails to submit the Petition, the Commission shall be left with no option but to initiate suo-moto proceedings as envisaged under the relevant Regulations.
5. The Petitioner ultimately filed the Petition for APR for FY 2013-14 and tariff revision proposal for FY 2014-15 for its distribution business on

February 17, 2014. On detailed analysis of the Petition, the Commission observed several information gaps and discrepancies in the Petition for which additional information was sought from the Petitioner vide Commission's Letter No. JKSERC/Secy/33/1508-12 dated February 21, 2014.

6. The Petitioner submitted the revised petition on February 28, 2014 and the Commission admitted the petition on the same day after the Petitioner made a presentation before the Commission. The Commission also imposed a fine of **Rs 0.10 Lakhs** on the Utility for delayed submission of the Petitions by invoking Section 102 of the Act.
7. The Commission vide its letter No. JKSERC/Secy/1565-66 dated February 28, 2014 directed the Petitioner to publish the gist of the APR petition for the FY 2013-14 and Tariff proposal for FY 2014-15 as public notice and invite comments/ objections/ suggestions from the stakeholders.
8. The process of holding public proceedings as required under the relevant Regulations could not move ahead in view of 16th Lok Sabha elections and imposition of Model Code of Conduct w.e.f. March 05, 2014. In fact, the Commission was prevented to move ahead in this matter vide the Election Commission of India's (ECI) communication no. 437/6/MISC/2014-CC & BE/322 dated February 17, 2014, in which, inter-alia it was mentioned in unambiguous terms that once Model Code of Conduct is imposed for the forthcoming Lok Sabha elections, it shall be applicable to the Electricity Regulatory Commissions also.

The Central Electricity Regulatory Commission (CERC) and some State Electricity Regulatory Commissions (SERCs) including JKSERC approached Election Commission of India (ECI) for relaxation. Ultimately, ECI vide communication no: 437/6/1/2014- CC & BE/ dated March 23, 2014 conveyed that the Commission has no objection in the continuance of the process required for the decision on the power tariff. However, tariff award shall be made only on the completion of polling in the relevant state i.e. after the poll date / dates in that State. The

JKSERC immediately on receipt of the clarification notified a time schedule for public hearings at Jammu and Srinagar on the APR and Tariff Petitions for distribution and transmission business of the JKPDD for FY 2013-14 and FY 2014-15.

In view of the communication dated 29.03.2014 of Election Commission of India, the Commission was not in a position to issue any new tariff order for the year 2014-15 till the completion of the Lok Sabha Election in the State. Therefore, the Commission in exercise of powers conferred under the J&K Electricity Act, 2010 issued orders that the Retail Tariff for FY 2013-14, issued by the Commission vide order No.: JKSERC/135 of 2013 dated 25.04.2013, shall remain valid from of April 01, 2014 onwards unless it is amended or modified or till notification of the new tariff order for FY 2014-15 by the Commission.

The order on Annual Performance Review petition for FY 2013-14 and Determination of ARR and Tariff for FY 2014-15 for Power Development Department (Distribution) and order on Petition for Annual Performance Review FY 2013-14 (including Transmission Tariff for FY 2014-15) for Power Development Department – Transmission were finally issued by the Commission in June, 2014.

15. Tariff Order of Hydro Electric Power Stations of Jammu & Kashmir State Power Development Corporation (Generation Utility) for FY 2014-15.

1. The petition was filed by the Petitioner (JKSPDC) in time for the Hydro Stations as per the JKSERC (Terms and Conditions for Determination of Hydro Generation Tariff) Regulations, 2011 (hereinafter referred to as the JKSERC Hydro Generation Tariff Regulations, 2011) and for the Transmission Line as per JKSERC (Terms and Conditions for Determination of Transmission Tariff) Regulations, 2012 (hereinafter referred to as the JKSERC Transmission Tariff Regulations, 2012).

2. The Petitioner filed the Tariff Petition before the Commission on November 19, 2013 for determination of AFC and Tariff for the FY 2014-15 in respect of 21 HEPs and Baglihar Transmission System and approval of reimbursement of actual expenses incurred towards operation and maintenance of gas based generating stations.
3. The Petitioner owns and operates twenty two (22) Hydro Electric Projects including Mohra HEP, one (1) Transmission System and two (2) Gas based Thermal Power Stations in the state of Jammu and Kashmir. Mohra HEP has not been functioning since it suffered severe damages in the floods of 1992.
 - 3.1 Two Gas based Thermal Power Stations with a total of seven units are operated only on call from the JKPDD because of the prohibitive cost of power generation of these stations. The State Government only bears the cost of fuel whenever these units are operated.
 - 3.2 The Petitioner filed a petition with the Commission on November 19, 2013 for approval of AFC and Tariff Petition for FY 2014-15 for:
 1. Eight (8) Hydro Electric Projects, namely USHP II, Chenani III, Sewa III, Pahalgam, Igo – Marcellong, Baderwah, Marpachoo, Haftal.
 2. Ten (10) old Hydro Electric Projects, namely USHP I, Lower Jhelum, Karnah, Chenani-I, Ganderbal, , Iqbal Bridge, Bazgo, Sumoor, Hunder, Chenani II.
 3. Baglihar Hydro Electric Project Stage I which includes Baglihar Hydro Electric Project [Baglihar-Hydro] and a 68km long 400 kV double circuit transmission line from Baglihar to Kishenpur and two bays at 400 kV

Kishenpur sub-station of PGCIL [Baglihar-Transmission System].

4. 4 MW Stakna HEP transferred to JKSPDC from JKPDD in March 2011.
 5. 1.26 MW Sanjak HEP has been declared commercially operational on July 03, 2013.
 6. Gas based thermal power station I and II situated at Pampore (for reimbursement of O&M charges by JKPDD).
4. The Commission on preliminary review of the Tariff Petition for FY 2014-15 directed the Petitioner to submit further information/ clarifications on several issues on dated December 04, 2013. The Petitioner subsequently submitted additional data and clarifications through its Letter No. PDC/ Tech/ P-241/III/ T-835/ 3541-42 dated December 10, 2013.
5. The Commission held a technical validation session with the Petitioner on December 12, 2013 and took into consideration the supplementary information provided by the Petitioner during the technical validation session and admitted the petition on same day.

The Commission directed the Petitioner to publish gist of its petition and tariff proposal as Public Notice in leading newspapers in the State having wide circulation and invite comments/ objections/ suggestions from the Stakeholders including consumers on the Tariff Petition filed. The summary of the petition and tariff proposal was accordingly published by the Petitioner in 8 leading newspapers in the State and the Stakeholders were requested to submit their comments/ suggestions/ objections by or before December 30, 2013.

15.1 Meeting of the State Advisory Committee

The Commission convened a meeting with the members of the State Advisory Committee (SAC) in Jammu on January 02, 2014 for discussing the AFC and Tariff Petition filed by the Petitioner for determination of tariff of the 21 Hydro Generation Stations and Baglihar Transmission System for FY 2014-15.

The State Advisory Committee discussed the AFC and Tariff Petition submitted by JKSPDC in detail. Representatives from JKSPDC highlighted the main components of the AFC & Tariff Petition and major items of expenditure and revenue. The members of the SAC provided several valuable suggestions which have been considered, summarized and mentioned at appropriate places in the Tariff Order by the Commission.

15.2 Public Hearings

The Commission initiated public consultation process to understand the views of the stakeholders on the various aspects of the AFC and Tariff Petition filed by the Petitioner. Accordingly, public hearings on AFC & Tariff Petition were held at Jammu and Srinagar as per the details given below:-

Place/ city	Date	Location
Jammu	January 06, 2014	Conference Hall, JKSERC
Srinagar	January 11, 2014	Conference Hall, IMPA

The Commission also invited various prominent persons and consumer bodies to take part in the process of tariff determination and represent the interests of consumers. The comments/ objections/ suggestions received during the hearings have been duly considered while finalizing the Order.

15.3 AFC/Tariff proposed by the Petitioner and that approved by the Commission

- i) The proposed AFC and Tariff by the petitioner and approved AFC and tariff for FY 2014-15 for 8 HEPs calculated at net saleable energy has been summarized in following table:-

Name of the HEP	FY 2014-15 AFC (Rs. Crore)		FY 2014-15 Indicative Tariff (Rs. Per KWh)	
	Prop.	Appr.	Prop.	Appr.
USHP-II	42.56	37.70	0.96	0.85
Chenani-III	5.45	5.11	1.50	1.41
Sewa-III	6.92	6.50	2.12	1.99
Baderwah	1.19	1.12	1.28	1.20
Pahalagam	8.59	8.01	5.02	4.67
Haftal	2.16	2.09	4.48	4.32
Marpachoo	1.74	1.67	4.62	4.46
Igo-Mercellong	6.90	6.74	4.39	4.29
Total AFC/weighted Average Indicative Tariff (Rs./kWh)	75.51	68.94	1.34	1.22

- ii) The proposed AFC and tariff by the petitioner and approved AFC and tariff for FY 2014-15 for 10 HEPs calculated at net saleable energy has been summarized in following table:-

Name of the HEP	FY 2014-15 AFC (Rs. Crore)		FY 2014-15 Indicative Tariff (Rs. Per KWh)	
	Prop.	Appr.	Prop.	Appr.
Karnah	3.46	3.36	3.08	2.99
USHP-I	8.54	6.64	0.81	0.63
Lower Jhelum	43.74	32.25	0.73	0.54
Ganderbal	5.23	3.98	0.59	0.45
Iqbal Bridge	4.03	3.84	1.91	1.82
Bazgo	0.37	0.35	3.42	3.28
Sumoor	0.16	0.15	3.56	3.43
Hunder	0.47	0.45	2.71	2.58
Chenani-II	1.25	1.15	1.05	0.96
Chenani-I	9.67	8.01	0.89	0.74
Weighed Average Indicative Tariff (Rs./kWh)	76.92	60.18	0.80	0.63

iii) **AFC/Tariff for Baglihar FY 2014-15**

The Petitioner (JKSPDC) filed petition for approval of AFC and Tariff for FY 2014-15 in respect of Baglihar HEP Project Stage I in accordance with the JKSERC (Hydro Generation Tariff) Regulations, 2011.

The petition for approval of AFC and Indicative Tariff for Baglihar - Transmission System was filed in accordance with the Terms and Conditions of Transmission Tariff Regulation, 2012 of JKSERC.

The Commission approved the annual fixed charges for Baglihar Hydro and Baglihar Transmission System for FY 2014-15. The AFC in both cases has been calculated by considering the various components of tariff. The indicative tariff approved for the hydro project and transmission system for FY 2014-15 has been computed by taking into account net saleable energy of the HEP.

The following tables provide the component wise break-up of total annual fixed charges and indicative tariff proposed by the Petitioner and approved by the Commission for Baglihar Hydro and Baglihar Transmission System.

Proposed Annual Fixed Charges and Indicative Tariff for Baglihar Hydro and Transmission System

Description	Baglihar Hydro Project	Baglihar Transmission System
O&M Expenses	99.84	7.21
Interest on Loan	175.56	5.24
Depreciation	142.89	4.44
Advance Against Depreciation (AAD)	181.15	5.65
Return on Equity	226.78	7.81
Interest on Working Capital	29.81	1.13
Consultancy Charges	1.19	-
Total Annual Fixed Cost	857.22	31.98
Design Energy (In MU)	2498.03	2498.03
Indicative Tariff for FY 2014-15 (Rs/kWh)	3.43	0.13
Approved Tariff for FY 2013-14 (Rs/kWh)	2.92	0.08

Approved AFC and Indicative Tariff for Baglihar Hydro and Transmission System

Description	Baglihar Hydro Project	Baglihar Transmission System
O&M Expenses	99.84	0.61
Interest on Loan	145.84	4.49
Depreciation	119.35	3.83
Advance against Depreciation (AAD)	137.55	4.07
Return on Equity	197.57	6.73
Interest on Working Capital	26.19	0.72
Consultancy Charges	1.21	0.00
Total Annual Fixed Cost	727.35	20.46
Less: Non-tariff income	20.05	0.62
Net ARR	707.29	19.84
Net Saleable Energy in MU	2498.03	2498.03
Indicative Tariff Rs. per kWh	2.83	0.08

iv) AFC/Tariff for Stakna FY 2014-15

Stakna HEP is a 4 MW hydro generating station that was transferred to JKSPDC by JKPDD in March 2011.

The Petitioner made the submissions with regard to AFC and tariff for FY 2014-15 for Stakna HEP in accordance with JKSERC Hydro Generation Tariff Regulations, 2011.

The details of approved capital cost, installed capacity, design energy, net saleable energy and date of Commissioning of Stakna HEP are summarised in the table below:

Name of HEP	Capacity in MW	Approved capital cost (Rs Cr)	DesignEnergy (MU)	Net Saleable Energy (MU)	Date of Commissioning
Stakna	4.00	12.65	19.52	19.33	1987

Annual Fixed Charges and Indicative Tariff for Stakna HEP (Rs, Cr.) for FY 2014-15 as proposed by JKSPDC is given below:

Description	Amount
O&M Expenses	0.21
Interest on Loan	0.00
Depreciation	0.21
Advance Against Depreciation (AAD)	0.00

Description	Amount
Return on Equity	0.53
Interest on Working Capital	0.04
Consultancy Charges	0.01
Total Annual Fixed Cost	1.00
Design Energy (In MU)	19.33
Indicative Tariff (Rs/ kWh)	0.52
Approved Tariff for FY 2013-14 (Rs/kWh)	0.40

The approved AFC and tariff for Stakna HEP for FY 2014-15 calculated at net saleable energy is as given in the table below:-

Description	Amount
O&M Expenses	0.21
Interest on Loan	0.00
Depreciation	0.21
Advance against Depreciation (AAD)	0.00
Return on Equity	0.53
Interest on Working Capital	0.04
Consultancy Charges	0.01
Total Annual Fixed Cost	1.00
Less: Non-tariff income	0.18
Net ARR	0.82
Net Saleable Energy in MU	19.33
Indicative Tariff Rs. per kWh	0.42

v) AFC/Tariff for Sanjak FY 2014-15

Sanjak HEP is a 1.26 MW hydro generating station that was declared commercially operational on July 03, 2013. Sanjak HEP was energized by JKSPDC in October 2011. It had been included in the Tariff Petition submitted for FY 2013-14, however, it had not been declared commercially operational at the time of determination of tariff for FY 2013-14. Particulars such as approved capital cost, installed capacity,

design energy, net saleable energy and date of Commissioning of Sanjak HEP are summarised in the table below:-

Capacity in MW	Approved capital cost (Rs Cr)	Subsidy (Rs Cr.)	Capital cost net of subsidy (Rs Cr)	Design Energy (MU)	Net Saleable Energy (MU)	Date of Commissioning
1.26	9.70	0.59	9.11	4.46	4.41	July 2013

The Commission in its Tariff Order for FY 2013-14 had stated that the AFC and tariff with respect to Sanjak HEP should be submitted by the Petitioner in the next Tariff Petition filed by them and that it shall be approved with retrospective effect from the date of declaration of COD.

The Petitioner made submissions with regard to AFC and tariff for FY 2014-15 for Sanjak HEP in accordance with JKSERC Hydro Generation Tariff Regulations, 2011.

Accordingly the tariff approved by the Commission for FY 2014-15 shall be applicable from the date of declaration of commercial operation of the HEP.

The Proposed AFC and Indicative Tariff in respect of Sanjak HEP are given in the table below:

Description	Amount
O&M Expenses	0.43
Interest on Loan	1.33
Depreciation	0.55
Advance Against Depreciation (AAD)	0.86
Return on Equity	0.88
Interest on Working Capital	0.14
Total Annual Fixed Cost	4.18
Design Energy (In MU)	4.42
Indicative Tariff (Rs per kWh)	9.46

The provisionally approved AFC and Tariff for Sanjak HEP for FY 2014-15 calculated at net saleable energy is given in the table below:

Description	Amount
O&M Expenses	0.15
Interest on Loan	0.76
Depreciation	0.25
Advance against Depreciation (AAD)	0.25
Return on Equity	0.38
Interest on Working Capital	0.06
Consultancy Charges	0.00
Total Annual Fixed Cost	1.87
Less: Non-tariff income	0.06
Net ARR	1.81
Net Saleable Energy in MU	4.41
Indicative Tariff Rs. per kWh	4.10

15.4 Directives Issued for the FY 2014-15

The Commission, based on its analysis of the AFC & Tariff Petition and the compliance to previous directives submitted by the Petitioner and information and suggestions received during the public hearing process on the functioning of the Petitioner, directed the Petitioner to comply with the following directives:-

Directives	
Directive 1	Performance Improvement measures
	<ul style="list-style-type: none"> To complete the benchmarking study and performance audit of all its plants within ten months of the date of publishing of this Order. To submit a quarterly report on the status of the study until the completion report has been submitted to the Commission.
Directive 2	Original capital cost & additional capitalisation of BHEP-Stage I & Baglihar Transmission System based on audited accounts
	<ul style="list-style-type: none"> To submit the approved DPR, year wise audited accounts, source wise details of funding, actual repayment schedule, subsidy sanctioned/received and other relevant documents of statutory approvals related to original capital cost & additional capitalisation of BHEP-Stage I & Baglihar Transmission System to the Commission.

Directives	
Directive 3	Additional Capitalisation of Pahalgam HEP
	. To submit the audited capital cost of the works undertaken under additional capitalization of Pahalgam HEP and details of financing of the same along with the next tariff petition.
Directive 4	Income Tax
	. To submit the details of revenue, expenditure and income tax for each project/ station duly certified by Chartered Accountant along with the next tariff petition for regulatory purpose and charging of Income tax by each station related to core activity (generation).
Directive 5	Valuation of capital cost of Sanjak HEP
	. To get the valuation for the capital cost of Sanjak HEP through independent technical consultants and submit the Report to the Commission along with the next tariff petition. The report should highlight the details of the design energy and Commercial Operation Date (CoD) and the audited capital cost & indicative tariff.
Directive 6	Details regarding consultancy charges
	. To submit the project-wise total cost of the consultancy and the year-wise and project-wise details of actual payments made along with the achievements vis-a-vis targets. . To certify the details of payments made by the respective approving authority. . To submit these details along with the next tariff Petition.
Directive 7	Report on benefits accrued from swapping of loans
	. To submit details of loans swapped, loan tenure, interest rate differential, and analysis of the benefits accrued from swapping of such loans along with the next Tariff Petition and their impact on the Tariff for future years.
Directive 8	Report on analysis of breakdown of plants in FY 2012-13 and FY 2013-14
	. To submit a Report on the major breakdowns in its plants during FY 2012-13 and FY 2013-14. The Report shall detail the cause of breakdown, cost of breakdown in terms of R&M works required, the loss in generation due to break down and the action taken to prevent such breakdowns in the future.
Directive 9	Status Report on R&M works and generation at USHP-II
	. To submit the status report on the works undertaken for restoration of Wangat Link (water conductor) and also construction of alternate spill channel along with the month wise actual generation from the Unit by October 30, 2014.
Directive 10	Corporate Social Responsibility
	. To submit a working paper on Corporate Social Responsibility incorporating a five year action program, the challenges envisaged and the cost benefit analysis of the same within six months of the issue of this Tariff Order.

Directives	
Directive 11	Status Report on RM&U and stabilisation works
	. To submit a project wise status report regarding original work schedule, actual completion schedule, reason for delays and cost over runs (if any) within three months of the date of publishing of this Order.
Directive 12	Details of Subsidy for each project
	. To submit actual details of subsidy received from State/ Central Government for each project along with next tariff petition.
Directive 13	Modern Tools for Implementation of New Projects
	. To use modern tools for monitoring of implementation of new projects such as Baglihar - Stage II, Lower Kalnai, Parnai, Dah, and Hanu and for the upcoming stations like New Ganderbal so as to avoid slippage in the time schedule for completion and commissioning of these projects.
Directive 14	Establishment of training schools
	. To expedite the creation of training and capacity building centres in all the major power projects. The Commission takes a serious notice of the fact that there has been no positive development in this direction and no proper training centre has been established so far in any of the major stations with capacity of 100 MW or more. . To take all necessary steps for setting up such centres for imparting training to the staff in all major power projects of the Petitioner. It is all the more important as several new projects are upcoming in the State and the Corporation would be requiring highly trained and skilled staffs to operate and maintain such projects.

16. Studies

Commission has initiated a process of conducting general and technical studies through various independent agencies. Attitudinal study has been got conducted by Shri Mata Vaishno Devi University (SMVDU) under the title "Empirical Study of Psychology and Mindset of Electricity Consumer in the State of J&K and Social Impact of power losses in Jammu & Kashmir: Performance, Challenges and Opportunity." The report has been received and is under examination of the Commission.

Third party Verification of Baseline Data has been allotted to M/s ICRA Management Consulting Services Limited, Mumbai through competitive bidding. The report will be submitted by the Consultants during 2014-15.

Following important technical studies are also under consideration for which NITs have been floated:-

- a) Conducting Verification of Consumers in J&K State.
- b) Conducting Third party Safety Audit in Electricity Distribution System of EM & RE Circles of PDD (J&K).

17. Disposal of Petitions and Appeals (FY 2013-14)

The details of petitions, appeals and applications handled by the Commission area as under:-

Particulars	Pending as on 31.03.2013	Received during the year (2013-14)	Total	Disposed during the year	Pending as on 31.03.2014
Transmission and Wheeling Charges for Open Access customers	1	-	1	1	Nil
Consumer Application	Nil	5	5	5	Nil
Tariff Petition	2	3	5	3	2*
Other Petition	1	7	8	6	2

***Note:-** Two Tariff Petitions remained pending ending 31.03.2014 due to belated submission of the same by the Utility (PDD) and imposition of Model Code of Conduct by the Election Commission of India in connection with 16th Lok Sabha Elections. The orders on these Petitions were issued in June, 2014.

18. Finance and Accounts

The Jammu & Kashmir State Electricity Regulatory Commission is fully funded by the Government of Jammu & Kashmir. Under Section 80 of the Electricity Act 2010, a separate J&K State Electricity Regulatory Commission Fund is required to be constituted. The matter has been taken up with the State Govt. and final orders are awaited. During the FY 2013-14, the State Government allotted funds to the tune of Rs.209.60 lacs under Non-Plan

Budget and the expenditure was to the tune of Rs.173.81 lacs as per the details given below:-

S.No.	Primary unit of Appropriation	Funds Received from the Govt. (Rs. in Lacs)	Expenditure (Rs. in Lacs)
1	Salaries	85.50	81.58
2	Travel Expenses	10.00	8.96
3	Telephone	2.00	1.73
4	Office Expenses	7.00	7.00
5	Electricity Charges	4.00	4.00
6	Rent Rate & Taxes	5.50	5.50
7	Books and Periodicals	1.00	0.98
8	POL	6.00	5.98
9	Sumptuary	0.50	0.39
10	Professional & Spl. Charges	54.60	27.66
11	Purchase of vehicle	7.00	6.99
12	Furniture & Furnishings	5.00	4.97
13	Medical Reimbursement	1.00	0.80
14	Purchase of Computers	2.00	2.00
15	Outsourcing of upkeep	3.00	2.18
16	Seminars & Training	10.00	7.59
17	Membership	5.50	5.50
	Total	209.60	173.81

In addition to above, Rs.70.00 lacs were allotted to Commission under Plan for acquisition of land for construction of office complex at Srinagar. The amount was drawn and has been kept in Civil deposit as per the approval conveyed by the Finance Department vide No. FD-VII-06(117)2005-06 dated 28.03.2014.

19. Revenue earned by the Commission

The year wise revenue earned and remitted into Govt. Treasury for the last five years is as given below: (Rs. in lacs)

S.No.	Particulars	Years				
		2009-10	2010-11	2011-12	2012-13	2013-14
1	Processing/petition fee	2.10	7.95	2.40	2.46	11.22
2.	Sale of Tariff Orders	0.03	0.09	0.11	0.05	0.09
	Total	2.13	8.04	2.51	2.69	11.31

20. Forum of Regulator (FOR) Meetings

In accordance with sub-section (2) of section 166 of the Central Electricity Act, 2003, a Forum of Regulators (FOR) has been constituted by the Government of India, of which all the Chairpersons of the State Electricity Regulatory Commission are the Members and the Chairperson of the Central Electricity Regulatory Commission is the Chairperson. Accordingly, the Chairperson, J&K State Electricity Regulatory Commission is a Member of the FOR.

The Forum provides a platform for exchange of views on electricity sector in the country and also an opportunity to discuss various regulatory issues. During the year 2013-14, JKSERC hosted the 36th meeting of Forum of Regulators (FOR) at Srinagar (J&K). The meeting was chaired by Dr. Pramod Deo, Chairperson, CERC/FOR. The following agenda items were discussed/considered during the FOR meeting:

1. Confirmation of the minutes of the 35th meeting of "FOR" held during 15th -17th February, 2013 at Sunderbans (West Bengal).
2. Proposed budget of "FOR" for the FY 2013-14.
3. Proposed studies and training programmes during the year 2013-14.
4. Consideration of study report on "Retail Sale Competition."
5. Power Procurement Planning of Distribution Companies.
6. Discussion on "Introduction of Ancillary Services in Indian Electricity Market" – Staff prepared by CERC.
7. Draft Model Legislation on State Electricity Distribution Responsibility Bill.

During the year 2013-14, the Chairperson J&KSERC attended the FOR meetings held at Goa from 21st to 23rd October, 2013.

21. Capacity Building/Training Programme.

Sh. Abdul Hamid (KAS), Secretary, JKSERC attended the 6th capacity building/training programme from 9th to 14th February, 2014 at IIT

Kanpur (including international Component-visit to Bangkok, Thailand from 12th to 14th February, 2014).

22. Important issues which remained pending with the Govt./Utility during the period under report:

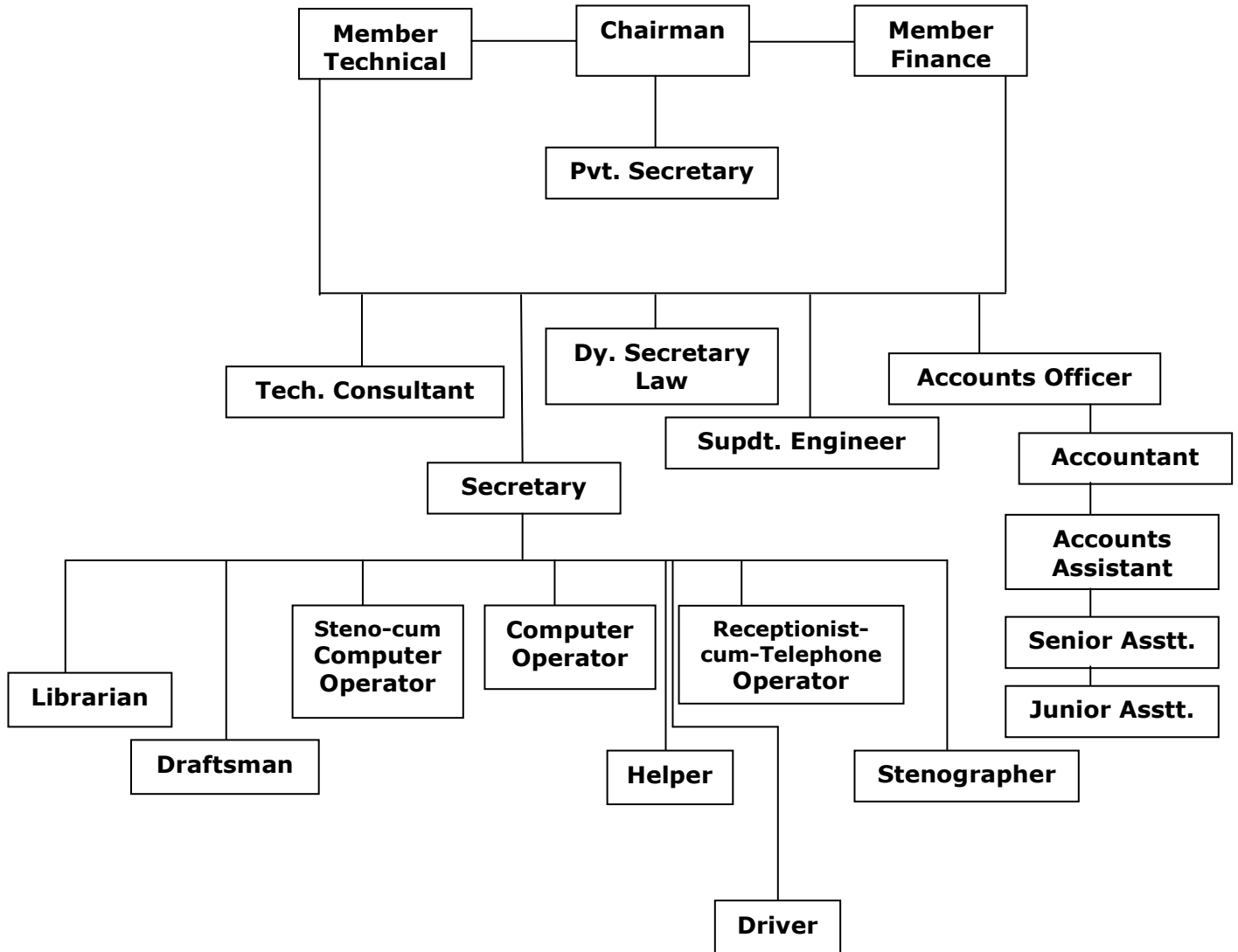
1. Notification of J&K Electricity Rules to implement the Provision of the J&K State Electricity Act, 2010.
2. Notification of State Electricity Policy, State Electricity Plan and Tariff Policy under Section 3,4 & 5 of the J&K State Electricity Act, 2010.
3. Notification for establishment of Consumer Grievances Redressal Forum (CGRF)/Ombudsman under Section 36 of the Act.
4. Notification of Provision related to Safety and Electricity Supply under Section 47 of the Act.
5. Notification for the Constitution of Co-Ordination Forum/District Committee under Section 128 of the Act.

(Abdul Hamid) KAS

Secretary

J&K State Electricity Regulatory Commission
Srinagar

Organizational Structure of JKSERC



Petition No. JKSERC/37/SM of 2013

In the matter of:

Implementation of the provisions of Section 49 of the Jammu & Kashmir Electricity Act, 2010 regarding consumer metering in the J&K State read with directions given by the Commission from time to time and matters related thereto.

And

In the matter of:-

1. Principal Secretary, Power Development Department, J&K Govt. Srinagar.
2. Development Commissioner (Power), PDD, Srinagar.
3. Chief Engineer, Electric Maintenance & RE Wing, Jammu
4. Chief Engineer, Electric Maintenance & RE Wing, Kashmir.

(Respondents)

Coram:

Sh. Basharat Ahmad Dhar, Chairperson.

Sh. D.S.Pawar, Member (T)

Sh. G.M.Khan, Member (F)

PRESENT ON BEHALF OF RESPONDENTS.

1. Sh. Asgar Ali Majaz, Development Commissioner (Power) J&K.
2. Smt. Shehnaz Goni, Chief Engineer M&RE, Jammu.
3. Sh. B.A.Khan, Chief Engineer M&RE, Kashmir.
4. Sh. B.A.Dar, Technical Officer with DCP.
5. Sh. Azhar Vakil, AEE.

ORDER

(Passed on this 21st Day of April, 2014)

1. As per the provisions of Section 49 of the J&K Electricity Act, 2010 no licensee shall supply electricity after the expiry of two years from the commencement of the Act, except through installation of a correct meter in accordance with regulations to be made in this behalf by the Commission.

"Provided that the licensee may require the consumer to give him security for the price of a meter and into an agreement for the hire thereof, unless the consumer elects to purchase a meter.

Provided further that the Commission may, by notification, extend the said period of two years of a class of persons or for such area as may be specified."

2. As per the provisions of the Act, the J&K Power Development Department (JKPDD) had to complete 100% correct metering at all levels before the expiry of the deadline i.e. 28.04.2012.
3. J&KPDD moved a Petition before the Commission on 25.04.2012 for extension of the dead line for 100% correct metering stating that it could not complete the metering because of:
 - i) Lack of cooperation from general public at large.
 - ii) Stock availability and capacity limitations of meter testing labs.
 - iii) Geographical limitations.

J&KPDD in the Petition also submitted a revised 100% metering plan as per which J&KPDD committed to complete 100% correct metering by 30th June 2013.

4. The Commission vide Notification No: JKSERC/18 of 2012 Dated: 26.04.2012 passed an order, in exercise of powers vested in it under second proviso to Section 49(1) of the Jammu & Kashmir Electricity Act, 2010, extending the deadline for 100% correct metering upto 30th June, 2013.

5. The Commission immediately after issuance of the above mentioned Notification Dated: 26.04.2012 directed the Development Commissioner (Power), Power Development Department vide No: JKSERC/19/94 Dated: 03.05.2012 to submit a detailed plan for achieving 100% consumer metering including status of category-wise metering at that point of time and status of procurement of energy meters on the specified formats. There was no response to the communication from the utility.
6. Subsequently, J&KPDD filed its Business Plan and Petition for approval of APR for 1st control period of Multi-year Tariff from FY 2013-14 to 2015-16, on 30th November, 2012 and indicated therein that in view of a large number of unauthorized consumers which have to be regularized, 100% metering could be completed only by the end of 1st MYT Control Period i.e. March, 2016.
7. The Commission vide its Order Dated: 22.03.2013, while approving the Business plan for J&KPDD Distribution for the MYT control Period FY 2013-14 to FY2015-16, had specifically observed that any further extension of time lines for 100% installation of correct meters alone was not going to be sufficient unless licensee develops a comprehensive metering plan for completion by end of FY 2015-16 and get it approved by the State Govt. with an undertaking of support of Govt. of J&K on compliance of the relevant provisions of the Act, by the licensee. It was directed by the Commission that in order to take approval of the Commission, the petitioner (Utility) should submit the State Govt. approved metering plan to the Commission before the extended deadline i.e. 30th June 2013. Alternatively, Section 49 (1) of the Act maybe got suitably amended extending the deadline of 100% metering upto the end of first Control Period i.e. March 2016.

8. The Commission in its Order Dated: 25.04.2013 on APR for 3 years MYT period FY 2013-14 to FY 2015-16 and Retail Tariff Order for FY 2013-14 for J&KPDD (Distribution), while reiterating the above directions for submission of comprehensive metering plan duly approved by the Govt. before expiry of the deadline of 30th June 2013, also directed the Utility that the delay in submission of the metering plan would invite penal action against the Utility under the provisions of the Act and the relevant Regulations.
9. The Utility failed to comply with the direction of the commission contained in its above stated Orders Dated: 22.03.2013 & 25.04.2013 despite issue of reminders vide JKSERC/293-94 Dated: 18.06.2013 and No: JKSERC/445-46 dated 24.07.2013 to the Principal Secretary, PDD (J&K) and Development Commissioner (Power), J&KPDD.
10. In view of the lack of response from J&KPDD and taking note of the seriousness of the issue, the commission initiated Suo-moto proceeding vide Petition No. JKSERC/37/SM of 2013 in September, 2013 to seek compliance of the respondents to the directives of the Commission in the matter.
11. The Commission vide its Order Dated; 17.09.2013, passed on the above mentioned Suo-moto Petition had directed the respondents for submission of the compliance report in light of its directives within a period of 8 weeks from the issue of the Order i.e by the end of October 2013. The case was listed for hearing on 20th November 2013, at Jammu.
12. On the date of hearing i.e. on 20th November, 2013 the Utility furnished a metering plan for approval of the Commission and sought extension in the time lines for 100% correct metering till end

of the FY 2015-16. The Commission, on examination of the metering plan noted that:

- i) The metering plan did not bear the approval of the Government.
- ii) It was incomplete in respect of financing plan, procurement plan and monitoring plan.
- iii) It was proposed to install 4.14 Lac consumer meters of various ratings in the remaining 4 months of the FY 2013-14 despite the fact that the process of procurement of the energy meters was yet to be finalized by the Utility.

13. On the next date of hearing i.e. on 4th December, 2013. the Utility was conveyed the above observations of the Commission and its serious concern about the casual attitude of the Utility towards working out the metering plan which proposes installation of 4.14 Lac Consumer meters in a period of 4 months and that too when even the procurement of such a huge quantity of meters is not lined up. On asking the Utility to reaffirm their plans, the Development Commissioner (Power) made a submission before the Commission to permit him to withdraw the metering plan submitted by PDD and requested for granting one more month for submission of the amended proposal. The Commission while acceding to the request directed that the revised proposals shall be submitted by the Utility as per the formats specified by the commission and the same shall be got approved by the Govt. as well. The date of next hearing in the case was fixed for 20th January, 2014.

14. On the day of next hearing i.e. 20.01.2014, the Development Commissioner (Power) pleaded before the Commission for further extension in time by 10 to 15 days for submission of comprehensive workable metering plan at all levels.

The Commission noted with concern the non-serious attitude of the department towards consumers and system metering and its continued failure to submit the metering plan, inspite of repeated directives. However, on the request of the Development Commission (Power) that the revised action plan will be submitted by 5th February, 2014, Commission reluctantly agreed to the request of the Development Commissioner (Power) and extended the deadline for submission of the metering plan, duly approved by the Govt. by two weeks. The Development Commissioner (Power) was directed to submit the plan by 5th February, 2014 and the next date of hearing was fixed for 17th February, 2014.

15. The Utility once again failed to submit the metering plan by the stipulated date of 5th of February, 2014. On the date of hearing i.e. on 17.02.2014, the Chief Engineer EM&RE Wing, Jammu, representing the respondents in the matter, submitted revised metering plan of the Utility proposing installation of 256209, 507380 & 339877 consumer meters during FYs 2013-14, 2014-15 & 2015-16 respectively.

16. On 17th of February, 2014 itself, Chief Engineer, Survey & Commercial Wing, PDD filed Utility's Petition for Annual Performance Review for FY 2013-14 and Tariff Revision Proposal for FY 2014-15, which among other submissions projected Utility's metering plan as well. PDD in its Tariff Petition has proposed installation of 110089, 358270 & 610766 consumer meters during the FYs 2013-14, 2014-15 & 2015-16 respectively. On pointing out the variations in the submissions by the Utility, the Chief Engineer EM&RE Wing, Jammu withdrew the metering plan submitted before the Commission and sought one week's more time for submission of the metering plan of the Utility. The Commission while granting one week's time to the

respondents, fixed 25th February 2014 as the last date for submission of the metering plan duly approved by the Government.

17. On 25th of February, the due date of hearing in the matter, the Development Commissioner (Power) submitted revised metering plan of the Utility. The Commission on preliminary examination of the plan pointed out that:-

1. The metering plan was not approved by the Govt.
2. The metering plan was also deficient in respect of financing plan and procurement plan.
3. The information as per Commission's format-1 on time lines for 100% metering has not been submitted.

On the procurement status of energy meters Development Commissioner (Power) stated that NIT for procurement of one lac energy meters of various specifications, including 20,000 radio frequency meters has been issued by the procurement and material management wing of the department. Also PDD has invited tenders for supply and installation of meters in Jammu & Kashmir Divisions separately through the respective Chief Engineers of EM&RE Wings. The Utility could not explain as to how it will monitor and ensure reasonability/uniformity of rates and parity in specifications in metering through three different modes. Utility could not also identify the consumer group/category/areas for which 20,000 radio frequency meters are being procured. There was also no meaningful response from the Utility with regard to the availability of resources/funds for implementation of the procurement process of the meters. The Development Commissioner (Power), noting the observations of the Commission, sought more time for submission of the plan, complete in all respects.

18. Abstract of the metering plans submitted before the Commission from time to time by the Utility for completion of 100% metering by the end of FY 2015-16 is given in following table:-

S.No.	Time of Submission	Consumer Metering Proposed (No's)			
		FY 2013-14	FY 2014-15	FY 2015-16	Total
1	25.04.2012 (Request for extension in deadlines for 100% metering prescribed in Section 49 (1) of Act)	3,15,570 (Ending March, 2013) 4,70,391 (Ending June, 2013)	-	-	7,85,961
2	30.11.2012 (In MYT Petition 2013-14)	2,30,274	3,74,859	5,58,723	11,63,856
3	20.11.2013 (In response to Commission's Order in Suo-moto proceedings)	4,13,572	2,95,866	3,87,935	10,97,373
4	17.02.2014 (In response (In response to Commission's Order in Suo-moto proceedings)	2,56,209	5,07,380	3,39,877	11,03,466
5	17.02.2014 (PDD, APR & Tariff Petition)	1,10,089	3,58,270	6,10,766	10,79,125
6	25.02.2014 (In response to Commission's Order in Suo-moto proceedings)	1,09,789	3,26,962	7,69,643	12,06,394

19. The huge variations in the submissions of the Utility from time to time, as projected above, shows lack of seriousness on the part of the Utility towards the most important power sector reforms programme i.e. energy metering in the State which has highest T&D losses in the

country. Besides, even the power supply in the State except through installation of correct meters after June, 2013 is in contravention to Section 49(1) of the Electricity Act, 2010 which has serious implications both for the Utility and the consumers.

20. The Commission had approached the Ministry of Power, Govt. of India (GOI), through the Forum of Regulators (FOR) to get component wise AT&C losses study conducted in J&K State as has been done by the Ministry for six States of the country. The proposal was supported by FOR to MoP, GOI. The MoP, responding to the Commission's request, commented that:-

“In case of Jammu & Kashmir the metering is very low (only 5% metering accomplished-DT meters, feeder/HT meters in R-APDRP-30 towns). In the absence of metering it would not be feasible to undertake the study.”

21. As per the report on eighteenth Electric Power Survey of India published by CEA, Ministry of Power, GOI, the forecast of Transmission & Distribution losses in Jammu & Kashmir State is projected as under:-

	Base year (2009-10)	End of 12th Plan (2016-17)	End of 13th Plan (2021-22)
Jammu & Kashmir	67.36%	52.00%	37.00%
All India Average	25.36%	18.89%	15.38%

It is evident that as per the above forecast, J&K State will continue to be the highest loss making State in the country even at the end of 13th plan.

22. In view of the above, the Commission taking a serious note of the issue, gave a final opportunity to the respondents to file the plan for 100% consumer and system metering complete with financing, procurement and monitoring plans on the specified formats of the Commission duly approved by the Govt. and in light of the directives of the Commission

passed in the order on Business Plan for 3 year MYT period FY 2013-14 to FY 2015-16 dated 22.03.2013 and order on APR for 3 year MYT and Retail Tariff for FY 2013-14 dated 25.04.2013 within a period of one month. The case was listed for hearing before the Commission on 21st April, 2014 at Jammu.

23. The Utility submitted the metering plan on 18th April, 2014 which came up for discussion before the Hon'ble Commission today i.e. 21st. April 2014 at 11.00 AM. The Utility was specifically asked whether the present plan was a well thought out plan and duly approved by the Competent Authority. Shri Asgar Ali Development Commissioner, PDD on behalf of respondents, expressed that commitment of the Administrative Department to the financing part of the plan was awaited. The Commission directed the respondents to go back and seek orders of the Competent Authority in the matter. The case was adjourned till 3.00 pm same day.
24. When the case came up for hearing in the AFTERNOON, Sh. Asgar Ali Development Commissioner Power on behalf of the Respondents re-submitted the metering plan, slightly modified and confirmed that the plan was discussed with the Principal Secretary, PDD and he has approved the same. The Utility also submitted that the necessary funding for implementation of the plan will be made available by the Govt. as assured by the Administrative Secretary PDD.
25. The salient features of the metering plan submitted by the Utility are as follows:-

I. Consumer data and metering status

S.No		Nos'
A.	Total No of installations ending 3/2013	14,90,696
B.	No of Installation with correct electronic meters	6,45,617
C.	No of Installation with E/M meters to be replaced	1,12,901

D.	Number of the Un-metered installation A-(B+C)	7,32,178
E.	Additional number of installation expected	3,61,418
F.	Total number of meters required for 100 % consumer metering F=C+D+E	12,06,497 (12.05 lac Nos)

II. SYSTEM METERING

1. HT/EHT METERING

S.No		Nos'
A.	Total number of HT/EHT Installation	2162
B.	Number of installations with correct electronic meters	582
C.	Number of installation with E/M meters to be replaced	1084
D.	Number of installations without meters	496
E.	Total requirement of meters (C+D)	1580

2. DT METERING (R-APDRP areas only)

S.No		Nos
A.	Total DTs	9710
B.	DTs with correct electronic meters	175
C.	Unmetered DTs	9535
D.	Total requirement of DT meters	9535

III. Timelines for 100% metering.

S.No.	Connection Type	Approved by Commission notification JKSERC/18 of 2012 Dated: 26.04.2012	Proposed Now
A	All HT Connections	30 th June 2012	31 st Oct, 2014
B	All EHT Connections	30 th June 2012	31 st Oct. 2014

c	All Govt. Connections, Kashmir Region	31 st July, 2012	30 th June, 2014
d	All Govt. Connections, Jammu Region.	31 st July, 2012	30 th June, 2014
e	LT Connections, R-APDRP Areas	31 st August, 2012	31 st Dec. 2015
f	LT Connections (Except Domestic), Non R-APDRP Areas	31 st January, 2013	31 st March. 2016
g	LT Connections (Domestic), Non R-APDRP Areas	30 th June 2013	31 st Mar. 2016
h	DT Metering, R-APDRP Areas	31 st July, 2012	31 st Dec. 2014
i	All HT & EHT Feeders	30 th November, 2012	31 st Dec. 2014

IV. Year wise proposals for Consumer metering installation.

FY	No. of consumer meter proposed to be installed
2013-14	1,12,965
2014-15	4,80,932
2015-16	6,12,600
Total	12,06,497

The Utility has also made available category -wise details of the consumer data and metering status as well as the category-wise/ quarter-wise details of the target of the consumer metering/ system metering, which information has been taken on record. In Phase-I, DT metering is proposed to be completed in R-APDRP areas.

The respondents confirmed the number of meters shown against the FY 2013-14 have already been installed during the previous year. The Number of meters proposed for installation during FY 2014-15 & 2015-16 include replacement of existing 1,12,901 electro-mechanical meters.

V. Requirement of funds

The year-wise requirement of funds for achieving 100 % system and consumer metering in the state was projected as under:-

<u>FY</u>	<u>Requirement of funds (in crores)</u>
2013-14	23.45
2014-15	99.31
2015-16	128.51
<u>Total</u>	<u>251.27</u>

26. In response to a specific query regarding the procurement status of meters, the Respondents stated that 1.30 Lacs meters have already been ordered under R-APDRP out of which 80,000 will be installed in Kashmir and 50,000 installed in Jammu. In addition to this procurement of 1 Lac meters has been taken up by P & MM Wing of PDD. Besides this, 3 Lac meters, 1.5 Lac each for Jammu & Kashmir region have already been tendered out for installation on turnkey basis. The Chief Engineer M&RE Jammu stated that the tenders for Jammu would be opened same day i.e. on the last date of receipt of tenders and for Kashmir the date has been extended by 15 days. It was confirmed that the number of meters for which the procurement process has been initiated is more than the number proposed for installation during the financial year 2014-15.
27. In reply to the query regarding the authenticity and workability of the metering plan, the Respondent submitted that the plan has been compiled on the basis of information received from each E&M Circle/Division/ Sub-Division and details in this behalf are readily available with the utility and shall be submitted to the commission.
28. Having heard the Respondents and after examining the details of the metering plan submitted by the utility alongwith the time lines, the commission views that even though there may have been challenges at

ground level in adhering to the dead line as set out in the J&K Electricity Act 2010, and subsequent extension order dated 26th. April 2012 issued by the Commission for achieving 100% consumer metering in the state by June, 2013, the Respondent have not made serious efforts in meeting the targets. The Commission notes with serious concern that Utility had almost 4 years from the date of notification of the Act to take steps in metering of un-metered connection but there has not been much progress made by the Utility during this period. Even at this stage, there seemed to be lack of seriousness on the part of Respondents in as much as it took them nearly one year even to submit a revised metering plan after coercive measures were adopted by the commission to seek compliance. The very fact the number of un-metered consumers in State has been increasing with the passage of time, implies that the Utility has been overlooking the provision as laid under Section 49(1) of the Act and also the directive issued by the Commission from time to time which states that no new connection can be released except through installation of a correct meter by the Utility.

29. In view of the above, the Commission while adopting the revised time lines as prepared by the Utility for achieving 100% correct consumer and system metering in the state by end of March, 2016, is of the view that mere extension in the time lines alone is not going to be sufficient for implementation of the metering plan. Since metering holds key to the implementation of power reforms in a State like ours which is witnessing the highest T&D losses in the Country, it has become mandatory that the Utility takes all possible measures to implement the proposed metering plan in all its seriousness, failing which the Commission would be left with no option but to adopt coercive methods for seeking compliance. The Commission, therefore, directs that no further delay in achieving 100% current consumers metering would be allowed beyond March, 2016. Any such delay would not only invite penal action against the Respondents and would also call for suitable action from the Commission declaring supply of electricity to unmetered

consumers as illegal in terms of the provisions of Section 49(1) of J&K Electricity Act 2001 and Commission's orders issued from time to time.

30. The Commission directs the Utility/Distribution Licensee to establish and develop authentic third party meter testing mechanism in the State as is required in terms of Section 44 of the Act read with Chapter A5 of the Jammu and Kashmir State Electricity Supply Code, 2011 and report compliance to the Commission with the next Annual Performance Review Petition.
31. The Commission also directs that a comprehensive mechanism shall be evolved by the Respondents for closely monitoring the implementation of proposed metering plan at various levels particularly at the level of Administrative Department. The province-wise/ Circle-wise/Division-wise progress report in the light of the revised action plan submitted by the Utility shall be submitted to the Commission on a quarterly basis for review.
32. The Commission further directs that as there has been serious deviation from the mandate given by the State Legislature under Section 49(1) of the Act 2010 for completion of metering within a period of 2 years from the date of notification of the J&K Electricity Act, 2010, the Respondents need to place the facts before the State Legislature for ratification of the extended dead line for achieving 100% metering in the State.

Petition No. JKSERC/39/SM of 2013

In the matter of:

Implementation of the provisions of Sub-Section (4) of Section 3 of Jammu & Kashmir Electricity Act, 2010 regarding preparation of State Electricity Plan and matters related thereto.

And

In the matter of:-

1. Principal Secretary, Power Development Department, J&K Govt. Jammu.
2. Commissioner Secretary, Science & technology Department, J&K Govt. Jammu.
3. Managing Director, J&K State Power Development Corporation, Jammu.
4. Development Commissioner (Power), PDD, Jammu.
5. Managing Director Chenab Valley, Power Corporation, Jammu.
6. Executive Director, NHPC, Jammu.
7. Executive Director, PGCIL, NR-II, Jammu.
8. Chief Engineer, System & Operation Wing, Jammu.
9. Chief Engineer, System & Operation Wing, Kashmir.
10. Chief Engineer, Maintenance & RE Wing, Jammu
11. Chief Engineer, Maintenance & RE Wing, Kashmir.
12. Chief Engineer, Planning & Designing Wing, JKPDD, Jammu.
13. Chief Executive officer, J&K Energy Development Agency, Jammu.
14. Chief Executive Officer, Ladakh Renewable Energy Development Agency (LREDA).
15. Chief Executive Officer ,Kargil Renewable Energy Development Agency (KREDA).

(Respondents)

Coram:

Sh. Basharat Ahmad Dhar, Chairperson.

Sh. D.S.Pawar, Member (T)

Sh. G.M.Khan, Member (F)

PRESENT ON BEHALF OF RESPONDENTS.

J&K Power Development Department:

S/Sh.

1. Asgar Ali Majaz, Development Commissioner (Power) J&K.
2. Ajay Gupta, Chief Engineer, System & Operation, Jammu.
3. Ravi Chanyal, Chief Engineer, Planning & Designs J&K.
4. Muneeb Ahmed, Xen, M&RE Bijbehara.
5. Azhar Vakil, AEE, DCP Office.
6. Mushtaq Ah. Malla, AEE, M&RE, Ashmuqam.

PGCIL

S/Sh.

1. Mohd. Farooq, Manager (OS).
2. Syed Alamdar, Sr. Engineer.

J&K State Power Development Corporation

S/Sh.

1. I.U.Ganai, Consultant Law.
2. Iftikhar Ahmed, General Manager.

Chenab Valley Power Projects (P) Ltd.

1. Sh. M.A. Salroo, Jt. MD.

NHPC

1. Sh.N.D.Sharma, Manager.

JAKEDA

S/Sh.

1. Hafizullah, CEO.
2. Shuban Jee Kaul, Executive Engineer.

LREDA

1. Sh.Jigmat Takpa, Director.

KREDA

1. Sh. Villayat Wazir, Sr. Technical Consultant.

ORDER
(Passed on this 10th Day of March, 2014)

1. J&K State Electricity Regulatory Commission initiated Suo-moto proceeding in the subject matter to seek the details of plans of the respondents for capacity addition and augmentation of generation, construction of inter-state and intra-state transmission system for evacuation, transmission and utilization of the generation of more than 10,000 MWs envisaged to come up in the State by the end of 13th five year plan and also the plan for augmentation and construction of adequate distribution system for delivering power to consumers across the State as per the demand projections for the 12th & 13th Plan periods.
2. The 18th Electric Power Survey (EPS) conducted by the Central Electricity Authority, Ministry of Power, Govt. of India, projects the forecast of Peak Load & Energy requirement for Jammu & Kashmir State up to the end of 12th & 13th Plan i.e. end of the FY 2016-17 & 2021-22 as follows:-

S.No.	Demand	2009-10	2011-12	2013-14	2016-17	2021-22
i.	Peak Load (MW)	1487	2419	2523	2687	4217
	Energy Requirements(MU)	10842	13992	14872	16298	21884

- 2.1. The forecast seems to be based on a linear growth rate, assuming no change in the percentage of consumption by various categories of the consumers, whereas the actual growth rate experienced is much higher as is obvious from the following actual 'Demand and Availability Scenario' figures reflected in J&K Power Development Department's Year-Book 2011-12:-

S.No.	Demand	2004-05	2009-10	2011-12
i.	Unrestricted Peak Demand (MW)	1706	2290	2500
ii.	Energy Requirement (MU)	9640.00	15656	17323

The Peak Demand & Energy Requirement for the current year i.e 2013-14 is projected as 2600 MW & 17,800 MU respectively.

2.2. As per the details contained in the Year-Book 2011-12, published by JKPDD, the peak demand and demand met during the 11th plan period and FY 2012-13, both in terms of Power & Energy, in J&K State are as under:-

Year	Peak Power (MW)			Energy (MUs)		
	Demand	Peak Met	Deficit	Requirement	Available	Deficit
2007-08	2020	1350	670 (33.17%)	14037	8743.96	5293.04(37.71%)
2008-09	2120	1340	780 (36.79%)	14750	9147.21	5602.79(37.99%)
2009-10	2290	1407	883 (38.56%)	15656	10370.00	5286.00(33.76%)
2010-11	2369	1492	877 (37.02%)	16544	10667	5877(35.52%)
2011-12	2500	1788.90	711.10(28.44%)	17323	11115.41	6207.59(35.83%)
2012-13 (Estimated)	2600	1900.00	700.00 (26.92%)	17842.69	11560.03	6282.66(35.21%)

The above table indicates that there are huge deficits both in terms of peak power and energy supply. High T&D losses and inadequate Transmission & Distribution system to handle and deliver the power are also reported to be the key constraints, compounding the problem.

2.3 From the above it is clear that at present there is a deficit of about 27% in meeting peak power requirement of 2600 MWs and about 35% deficit in meeting the energy demand of 17,850 MUs in the State because of high T&D losses and in-adequate transmission and distribution system besides budgetary constraints for purchase of power. The peak power demand and the energy requirement of the State by the end of 13th plan i.e. FY 2021-22 is estimated to go above 4217 MWs and 21884 MUs respectively.

3. Jammu & Kashmir State Electricity Regulatory Commission passed an order in the matter on 28.11.2013 and sought the following details from the respondents which were to be submitted by 31st of January, 2014:

S.No.	Respondents	Details sought
3.1	i) MD, JKSPDC ii) MD, CVPPPL iii) ED NHPC, Jammu	i) Detail of each of the power projects with time lines to be taken up/Commissioned by JKSPDC, NHPC & CVPPPL by the end of 12 th Plan (FY 2016-17) & 13 th Plan (FY 2021-22).
3.2	i) MD, JKSPDC ii) MD, CVPPPL iii) DC(P)JKPDD iv) ED PGCIL, Jammu v) ED NHPC, Jammu	i) Plans for evacuation of power from these power projects indicating time lines for taking up/completion of transmission projects.
3.3	i) ED PGCIL, Jammu	a) Details of existing capacity of transformation and transmission of power at Inter-State and Intra-State levels. b) Plans for creating additional/augmentation of intra-state/inter-state transmission/transformation system for evacuation/utilization of surplus generation by the Central Agencies.
3.4	i) Commissioner Secy., Science & Tech. Dep. J&K Govt. ii) DC(P)JKPDD iii) CEO, JAKEDA iv) CEO, LREDA v) CEO, KREDA	i) Detail of each of the Renewable Energy Projects taken up and those being taken up/commissioned upto the end of 12 th Plan (FY 2016-17) & 13 th Plan (FY 2021-22) by Energy Development Agencies of the State along with power evacuation plans. The information should be furnished for each types of renewable technologies i.e Solar, Wind, Biomass, Hydel (upto 2 MWs) etc.
3.5	i) Principal Secy., PDD. ii) DC(P)JKPDD iii) Chief Engineer, S&O Jammu/ Kashmir. iv) Chief Engineer, M&RE Jammu / Kashmir.	a) Detail of existing peak load/energy requirements in various regions of the State. b) Load forecast details upto end of 12 th Plan (FY 2016-17) & 13 th Plan (FY 2021-22). c) Details of present system availability and constraints in handling and meeting peak load/energy requirements at various voltage levels.

	v) C.E. Planning & Designing, JKPDD.	<p>d) Details of latest system studies, if conducted, for augmentation of the capacities at various levels during 12th & 13th Plan to meet the shortages.</p> <p>e) Plans for augmentation of existing Intra-State Transmission & Distribution system for meeting unrestricted power demand of State consumers by the end of 12th Plan (FY 2016-17) & 13th Plan (FY 2021-22) with time lines.</p> <p>f) Investment requirements and financing plans for carrying the proposed plans for augmentation/improvement of the system.</p>
3.6	<p>i) Principal Secy., PDD.</p> <p>ii) MD, JKSPDC</p> <p>iii) DC(P) JKPDD</p>	<p>Status of constitution of task force headed by the Administrative Secretary of Planning and Development and that of constitution of Technical Committee headed by the Administrative Secretary of Power Development Department as per the decisions taken by the BODs of the SPDC in its 68th meeting.</p>

The order was endorsed to all the 15 respondents vide No.:JKSERC/37/994-1009 Dated; 06.12.2013.

4. In compliance to the said Order dated; 28.11.2013, responses were submitted by the following respondents by 5th of February, 2014, when the case came up for hearing:-

- i) J&K State Power Development Corporation.
- ii) NHPC Ltd.
- iii) Chenab Valley Power Projects (P) Ltd.
- iv) Power grid Corporation of India Ltd. (PGCIL).
- v) J&K Energy Development Agency (JAKEDA).
- vi) Kargil Renewable Energy Development Agency (KREDA).

No response was received from power Development Department (J&K Govt.) and Ladakh renewable Energy Development Agency.

5. On the date of hearing i.e. on 5th of February, 2014 representatives of all but the following respondents were present:
 - i) J&K Energy Development Agency (JAKEDA).
 - ii) Ladakh Renewable Energy Development Agency (LREDA).
 - iii) Kargil Renewable Energy Development Agency (KREDA).

6. The responses were examined and the Commission observed the following:-
 - 6.1 JKSPDC's response contained all the information except that in respect of IPPs. The representatives of the JKSPDC assured that the same would be submitted before the next date of hearing.
 - 6.2 The response from PGCIL did not indicate the future plans for development of transmission/evacuation network in the State, stating that new/future projects are taken up only after clearance from CEA/designated agencies.
 - 6.3 The response from J&K Energy Development Agency (JAKEDA) contains information regarding allotment of upcoming projects but no information was furnished with regard to evacuation/transmission arrangements for the projects, based on agreements signed with IPPs. It was directed by the Commission that CEO JAKEDA besides furnishing the information shall attend the Commission on the next date of hearing.
 - 6.4 The information furnished by Kargil Renewable Energy Development Agency (KREDA) was vague and it did not contain any information with regard to the projects allotted/upcoming projects. Neither the plans for transmission/evacuation/utilization of generation from the projects were clearly indicated. CEO KREDA was directed to furnish the relevant information and attend the Commission on the next date of hearing.

- 6.5 Commission took a serious note of the fact that Ladakh Renewable Energy Development Agency (LREDA) neither filed any response nor attended the Commission on the date of hearing. The Commission directed the Agency for furnishing the information and also directed that CEO of the Agency shall attend the Commission in person on the date of next hearing.
- 6.6 Commission took a very serious note of the non-submission of the information/response by the JKPDD which is the only agency for planning and construction/augmentation of intra-state transmission and distribution system within the State to match the requirements of future peak power demand of the State and to provide corridors of its transmission and distribution network for the generating plants injecting their generation into the PDD network. On the request of the representatives of PDD, for extension in time for submission of PDD's plans by two weeks, the Commission reluctantly granted the extension and directed that the Development Commissioner (Power) shall attend the Commission in person on the date of next hearing along with the necessary details and also the status on constitution of Task Force headed by Administrative Secretary of Planning and Development Department and that of constitution of Technical Committee in terms of the resolution adopted by the Board of Directors of JKSPDC in its 68th meeting.
7. The next date of hearing was fixed for 10th of March, 2014
8. On the date of hearing i.e. on 10th of March, 2014 representatives of all the respondents were present. While information on the plans of respondents was submitted by JKPDD & LREDA, additional/supplementary details were submitted by JKSPDC, JAKEDA, KREDA& PGCIL.

9. The responses furnished by respondents on Commission's Order Dated; 27.11.2013 in the matter are summed up as follows:-

9.1 **Responses from JKSPDC**

9.1.1 JKSPDC in its submission has projected total capacity addition plan for 5050 MWs by the end of the year 2021, which is shown in table below:-

Year –wise capacity addition (in respect of JKSPDC Projects & IPP) in the 12th & 13th Five Year Plan.

S. No.	Name of Project	Total Capacity (in MW)	Capacity Commissioned in Year (in MW)									
			2013	2014	2015	2016	2017	2018	2019	2020	2021	
1	3 rd Unit of Pahalgam HEP	1.5	1.5									
2	Small IPP	376	25			45		200	106			
3	Baglihar-II HEP	450			450							
4	Pugah Geothermal TDP	5				5						
5	Large IPP (850 MW Ratle HEP)	850					850					
6	Dah	9					9					
7	Hanu	9					9					
8	Parnai	37.5					37.5					
9	Lower Kalnai	48					48					
10	New Ganderbal	93						93				
11	Kirthai-I	390							390			
12	Kirthai-II	930								930		
13	Sawalkote	1856										1856
	Total	5055	26.5		450	50	953.5	293	496	930		1856

9.1.2 Plan for evacuation of power from the HEPs mentioned in para 9.1.1 above except large and small IPPs, as submitted by PDC is as follows:-

9.1.2.1 Generation from various upcoming projects shall require to be evacuated and fed into the grid system. Suitable arrangements in this regard have to be in place well before

commissioning of the generating stations in the shape of construction of Transmission lines of appropriate voltage levels connecting the generating stations with the nearest Transmission system of State/Central Transmission utilities.

Arrangements envisaged for evacuation of electrical energy generated for various HE Power stations which are proposed to be commissioned by the end of the year 2020-21 are as under:

i) 450 MW Baglihar HE Project Stage-II

Evacuation of power from the Project would be essentially on the existing 400kV D/C Baglihar–Kishanpur Transmission Line owned by JKSPDC. However, LILO arrangements of one circuit of existing 400 kV, Double circuit Kishanpur-Wagoora Transmission line near Chanderkote is proposed for evacuation of energy generated from BHEP-II. The arrangement involves construction of 400 kV D/C transmission line from the takeoff point up to the pothead yard of stage-II of the project. The work is being undertaken by PGCIL.

ii) 9 MW Hanu and 9 MW Dah HE Projects, Ladakh

Both the above projects being executed by JKSPDC are scheduled for commissioning during the year 2016-17. For evacuation of power from these two stations a double circuit 66 kV transmission line of suitable capacity shall be constructed. The corporation before commissioning of the project connecting the power stations with the nearest 66 kV level sub-stations created under RGGVY Ladakh region.

Proposed construction of 220 kV transmission line between Alusteng (Kashmir) &Leh (Ladakh) with the central assistance shall connect Ladakh with the national Power grid

and facilitate evacuation of available power from the region. All necessary works required for connecting 66 kV sub-station with the proposed 220 kV system are included in the DPR proposed by PGCIL in this regard.

iii). 37.5 MW Parnai HE Project

132 kV line of adequate capacity from the project site upto the nearest 132/33 kV Grid station shall be constructed by JKSPDC for evacuation of power from the project scheduled to be commissioned during the year 2018-19. This existing grid station is in turn connected with the Northern grid via Rajouri-Jammu.

iv). 48 MW Lower Kalnai HE Project

LILO arrangements of one circuit of 132 kV D/C Ramban-Khellani-Kishtwar Transmission Line at the nearest point is proposed for evacuation of power generated from the project to Bhalessa/ Kishtwar 132/33 kV grid stations already setup in the region.

v). 93 MW New Ganderbal HE Project

Power generated from this upcoming project is proposed to be evacuated through LILO arrangement of 132 kV, Double Circuit Alusteng-Badampora Transmission Line (JKPDD). The distance from the Power house up-to the LILO point of the line is approximately 4.0kms.

vi). Task force set up by Ministry of Power, GoI:

A task force with participation from JKSPDC, JKPDD, CEA & PGCIL visited Chenab basin and evolved a comprehensive Transmission system for implementation in a phased manner matching with the commissioning schedule for

evacuation of power from Kirthai-I, Kirthai-II, Kiru, Kawar, Pakaldul, Burser, Sawalkote & Ratle Projects.

The evacuation scheme (Perspective Plan) includes two high capacity transmission corridors details of which are as under:

iii) High Capacity Corridor-I

The corridor will be merged with the corridor planned for Himachal Pradesh HE Projects of 1500 MWs capacity located in Chanderbhaga Basin. Total Capacity of the corridor would be 3000 MW. This high capacity, 400 kV transmission system will evacuate power from 390 MW Kirthai-I & 930 MW Kirthai-II HE Projects and carry it up to 400 kV pooling station Kishtwar. Both pooling station Kishtwar and the Transmission lines are proposed to be implemented as ISTS by PGCIL.

iv) High Capacity Corridor-II

Total capacity of this corridor shall be of the order of 2300 MW and shall comprise of 400 kV D/C Transmission line which will evacuate power generated from 660 MW Kiru, 560 MW Kawar & 1000 MW Pakaldul HE Projects up-to proposed pooling station at Kishtwar by adequate LILO arrangements of both the circuits of the transmission line at appropriate locations.

400/765 kV Pooling station proposed at Kishtwar shall be connected with proposed substation at Sirhind which in turn shall be connected with Moga Grid station

(vi) 1856 MW Sawalkote HE Project

Evacuation of power from 1856 MW Sawalkote HE Project is proposed to take place making LILO arrangements of both the lines of both 400 kV existing PGCIL Kishenpur-Wagoora

and 400 kV Kishenpur-New Wanpoh transmission line also being constructed by PGCIL. It is also proposed to make LILO arrangement of Dulhasti-Ratle-Kishenpur Transmission Line at Kishtwar for evacuation of power from 850 MW Rattle HE Project.

9.1.2.2 Regarding evacuation of power for large IPP, **850 MW Ratle HEP**, Power Grid Corporation in its submissions has confirmed the receipt of connectivity/ Long term Access request from Ratle HEP, which would be evacuated through Dulhasti-Kishenpur quad line already proposed by PGCIL.

9.1.2.3 J&K State Power Development Corporation also submitted the evacuation plans giving the details of interconnection points, separately, for all the IPP projects allotted under State Hydel Policy 2003 and those tendered out under J&K State Hydro Electric Projects Development Policy 2011. The details provided as tabulated as follows:

The interconnection points for the projects allotted **under 2003 policy**, along with completion schedule as submitted by JKSPDC are as under:

S. No	Project with source	Capacity (MW)	Status	Interconnection point	Completion schedule
1	Athwathoo Dist. Bandipora (Madhumati Nallah)	10	Commissioned	Bandipora /Ajas grid station.	---
2	Tangmarg SHP Dist. Baramullah (Ferozpora Nallah)	10	Commissioned	Tangmarg Grid station	---
3	Aharbal SHP District Pulwama (Vishow Nallah)	22.5	Project site surrendered due to tourism and Environmental issues.	N.A.	---
4	Hirpora SHP District Pulwama (Rambhir Nallah)	12.0	Work in progress	132/33kV Shopian Grid Station	2017-18
5	Brenwar SHP District Budgam (Doodhganga Nallah)	7.5	Commissioned	33 Kv substation at Brenwar	---

6	Kahmil SHP District Kupwara (Kahamil Nallah)	4	Work in progress	132/33 Kv Wilgam Grid Station	2016-17
7	Boniyar SHP District Baramullah (Hapathkhai Nallah)	12	Commissioned	33 Kv Substation at Boniyar	2016-17
8	Mandi SHP District Poonch (MandiNallah)	12.5	Work in progress	132 Kv receiving station near kalnai, Mandi	2016-17
9	Ranjala Dunadi SHP District Doda (Lower KalnaiNallah)	15	Commissioned	33 kV Substation Thatri. To be shifted to 132 Kv line Thatri to changa.	----
10	Drung SHP District Kathua (UjhNallah)	5	Land Acquisition, Clearance in progress	GurahKalyal receiving station or Mandli Grid Station.	2016-17

The provisions related with the evacuation of power under **J&K STATE HYDROELECTRIC PROJECTS DEVELOPMENT POLICY, 2011** are as under:

"10.1 On allotment of a project, the IPP will approach the appropriate utility for grant of open access, who shall analyze the system availability and grant open access, duly identifying the interconnection point, infrastructure required up to the interconnection point, specifications, evacuation voltage, etc.

10.2 The IPP shall be responsible for developing the necessary infrastructure to facilitate the connectivity/synchronization with the Grid."

Interconnection points for IPP projects tendered out under new "J&K State Hydroelectric Projects Development Policy 2011".

S. No.	Name of the project	Installed Capacity (MW)	Location of Power House	Interconnection Point	Evacuation Voltage Level (kV)	Status/ Commissioning schedule
1	Ans-I	40.00	Thillo	Reasi (Grid Station)	132 kv	Allotted/ 2018-19
2	Bichlari	45.00	Digdol	Ramban (Grid Station)	132 kv	Allotted/ 2018-19
3	GirjankiGali	12.00	Girjan	Doaba (Grid Station)	33 kv	Allotted/ 2018-19

4	Kanzil-Wangath	27.00	Wangath	Kangan (Grid Station)	33 kv	Allotted/ 2018-19
5	Chandanwari	7.00	Noorkah	LJHP (Switchyard)	33 kv	Allotted/ 2017-18
6	PatnaziBunjwah	21.00	Shadekh	Lower Kalnai (Switchyard)	132 kv	Allotted/ 2018-19
7	Chenani IV	7.00	Bansui	Udampur (Grid Station)	33 kv	Tendered / 2018-19
8	Sewa I	8.00	Gatti	Sewa III (Switchyard)	33 kv	Tendered / 2018-19
9	Erin	10.00	Malikpora	Bandipora (Grid Station)	33 kv	Tendered / 2018-19
10	Mawar	10.00	Banjar Gujjar Basti	Arampora (Grid Station)	33 kv	Tendered / 2018-19d
11	Boniyar	6.00	BelaSalambad	LJHP (Switchyard)	33 kv	Tendered / 2018-19
12	Gulabgarh	6.50	Tradiwali	Draba (Grid Station)	33 kv	Tendered / 2018-19
13	Phagla	16.00	Chang Nallah(Right Bank)	Draba (Grid Station)	33 kv	Tendered / 2018-19
14	Bringi	4.00	Diwalgam	Lisser (Grid Station)	33 kv	Tendered / 2018-19
15	Shaliganga	4.5	Kachwari	Budgam (Grid Station)	33 kv	Tendered / 2018-19
16	Nihama	6.00	Nihama	Kulgam (Grid Station)	33 kv	Tendered / 2018-19
17	Shukhnag	9.00	Rengzabal	Budgam (Grid Station)	33 kv	Tendered / 2018-19
18	HanswarPad dar	6.00	Kijuai	Tatapani (Receiving Station)	33 kv	Tendered / 2018-19
19	Sultanpathri	3.00	Right bank of Loran Nallah	Loran receiving station	33 kV	Tendered / 2018-19
20	Shranz	10	Badibal for stage-I NagabalBara mullah for stage-II	Sub-station Chandoosa	33 kV	Tendered / 2018-19
21	Tamasha	9	Tamashanallh	To be decided to be in consultation with PDD	132/66 kV	Tendered / 2018-19

22	Bairaas	9	Village Bairas	To be decided to be in consultation with PDD	132/66 kV	Tendered / 2018-19
23	Upper Ans-I	5.5	L/S of Ans river near village Jaglaru Rajouri	Sub-station Kotranka	33 kV	Tendered / 2018-19
24	Chingus-I	3	Nowshera near tawi river village Nariyam	Sub-station Dhawan	33 kV	Tendered / 2018-19
25	Chingus-II	3	Left bank of Nowshera river near village Dhallan	Sub-station Nowshera	33 kV	Tendered / 2018-19
26	Kutimarg	7.25	Village Chimmer	Sub-station Kutbal	33 kV	Tendered / 2018-19
27	Pumbaiaridajan	4	Village Pumbai	Sub-station Damhal	33 kV	Tendered / 2018-19
28	Kutbal	4	Village Kutbal	Sub-station Kulgam	33 kV	Tendered / 2018-19
29	Thanamandi	2.75	Left bank of Thannamand inallah near Village Thanamandi	Sub-station at Rajdhani (Thannamandi)	33 kV	Tendered / 2018-19
30	Rongdo	9	Right Bank of main Shyok River village Rongdo	To be decided to be in consultation with PDD	132/66 kV	Tendered / 2018-19

The generation from the above IPP projects is proposed to be evacuated through the Transmission & Distribution network of J&K PDD. However, as per the representatives of PDD they have not received any requisition for examining the feasibility of proposed connectivity from JKSPDC/IPPs.

9.2 **Response from NHPC:-**

9.2.1 NHPC Ltd. submitted a list of their power projects in J&K which is tabulated as follows:-

NHPC projects in J&K

S. No.	Projects	Design Energy	Capacity	Status	Year of commissioning
1	Salal Power Station	3082 MU	690 MW	Under Operation	1986/1996
2	Uri-I Power Station	2587 MU	480 MW	Under Operation	1997
3	DulHasti Power Station	1928 MU	390 MW	Under Operation	2007
4	Sewa-II HE Project	534 MU	120 MW	Under Operation	2010
5	NimooBazgo HE Project	239 MU	45 MW	Under Operation	2012/13
6	Chutak HE Project	216 MU	44 MW	Under Operation	2012/13
7	Uri-II HE Project	1124 MU	240 MW	Under Operation	2013
8	Kishen-ganga HE Project	1437 MU	330 MW	Under construction	Likely to be commissioned in January 2016

9.2.2 The transmission system for evacuation of electricity generation from all the NHPC power stations except for power stations of Chutak HEP & NimooBazgo HEP stands already laid. For Chutak HEP & NimooBazgo HEPs the evacuation is being done through local distribution system laid under RGGVY scheme.

9.3 **Response from Chenab Valley Power Projects (P) Ltd.**

9.3.1 The details of power projects with time lines to be taken up/commissioned by CVPP (P) Ltd. are as tabulated below:-

S. No.	Name of the Projects	Installed Capacity (MW)	Expected Startup Time	Expected Completion Time	Remarks
1	PakalDul	1000	Mid 2014	66 months	Technical Bid Evaluated, Financial Bid yet to be opened
2	Kiru	660	By end of 2014	54 months	Pre-Qualification completed. Few clearances under process.
3	Kwar	560	By end of 2014	54 months	Pre-Qualification is to be floated soon. Few clearances under process.

9.3.2 CVPPP Ltd. has submitted that power evacuation from projects in Chenab Valley shall be done through a pooling station to be constructed by CTU (Central transmission Utility) on reference from developers. CVPPL has further submitted that gestation period of each of the projects being almost double the gestation period of any transmission work, reference to CTU shall be made on financial closure/award/physical startup of these projects. CVPPPL also indicated that the proposal of the pooling station has been approved in principle by the standing committee on power system, the apex body for planning of power system.

9.3.3 Power Grid Corporation of India Ltd. (PGCIL) in its submission confirmed that for evacuation of power from Chenab Basin J&K Hydro Projects, with an aggregate capacity of 6200 MWs, a Task Force consisting of representatives from J&KSPDC, J&KPDD, CEA and PGCIL developed a comprehensive master plan after visiting the

site. Two high capacity transmission corridors have been planned.

- i) **High Capacity Corridor-I** Triple HTLS 400 KV D/C Line from ReoliDugli HEP (Himachal Pradesh) to Kirthai-II (990 MW) via Kirthai-I (350 MW) and quad HTLS 400 KV D/C line from Kirthai-II HEP to Kishtwar pooling station.
- ii) **High Capacity Corridor-II** is planned to be Triple HTLS 400 KV D/C line from Kiru HEP (660 MW) upto Kishtwar pooling station via Kwar HEPs (560 MW) and Pakaldul HEP (1000 MW). PGCIL, However, have not confirmed about any approvals on the proposals by the standing committee on power system planning.

9.4 **Response from J&K Energy Development Agency (JAKEDA):**

JAKEDA submitted that as per Policy for Development of Mini/Micro Hydro Power Projects-2011 notified vide Govt. Order No. 71-ST of 2011 dated 27.12.2011, it as a nodal agency was given mandate for development of mini hydel projects with capacity of upto 2MWs. Accordingly, after conducting survey and identification of potential hydel sites, following 14 such projects stand allotted to IPPs in a phased manners.

In the 1st phase, JAKEDA issued LOA on 28.02.2013 :-

S.No	Project Name	Project Capacity
1	Paristan MHP, Ramban	2.00 MW
2	Ukhral MHP, Ramban	1.75 MW
3	Buta-kulan MHP, Ganderbal	1.75 MW
4	Rayil MHP, Ganderbal	1.45 MW
5	Surasyar MHP, Budgam	1.20 MW
6	Dandipora Daksum, Anantnag	1.80 MW
TOTAL		9.95MW

In 2nd phase, LOA has been issued to the qualified bidders on 18.07.2013:-

S.No	Name of the project	Installed capacity
1	Bahramgala Stage 2 nd MHP, District Poonch	2.0 MW
2	Khari SHP	1.8 MW
3	Googaldara	1.0 MW
4	Dadibal KapranMHP District Anantnag	1.1 MW
5	Baltikulan (Kangan)	1.8 MW
6	Sarfaraw (Kangan)	1.8 MW
TOTAL		9.5 MW

In 3rd phase, LOA has been issued to qualified bidders for the following projects :-

S.No	Name of Project	Tehsil/District	Capacity
1	MHP Kajie Hanswal	Paddar/Kishtwar	2.0 MW
2	Ballah Neeru	Doda/Doda	1.5 MW
TOTAL			3.50 MW

In addition to above, JAKEDA has identified following 91 more sites with an aggregate capacity of 157 MWs for which RfQ's shall be issued in a phased manner and shall be taken up for bidding under IPP mode during the year 2013-14 & 2014-15.

S.No	Name of Project	Capacity	District
1.	Pogal MHP	2.0 MW	Ramban
2.	Lanka-Khuda MHP	1.6 MW	Ramban

3.	Khari Stage 2nd MHP	2.0 MW	Ramban
4.	Arai MHP Stage I st	1.2 MW	Poonch
5.	Arai MHP Stage 2 nd	1.6 MW	Poonch
6.	Arai MHP Stage 3 rd	1.2 MW	Poonch
7.	Bahramgalla MHP Stage I st	2.0 MW	Poonch
8.	Bathard MHP	1.2 MW	Poonch
9.	Sawjia MHP 1 st /Brarri	2.0 MW	Poonch
10.	Sawjia MHP 2 nd	2.0 MW	Poonch
11.	Sanai MHP	1.7 MW	Poonch
12.	Sewa - Chatroo MHP	1.25 MW	Kishtwar
13.	Inderwal - Chatroo MHP	1.8 MW	Kishtwar
14.	Chatroo - Chatroo MHP	1.80 MW	Kishtwar
15.	Zabkul - Chatroo MHP	2.0 MW	Kishtwar
16.	Malwar Chatroo MHP	2.00 MW	Kishtwar
17.	Sangambatti MHP	2.00 MW	Kishtwar
18.	Godana Stage 1st MHP	2.00 MW	Kishtwar
19.	Godana Stage 2nd MHP	2.00 MW	Kishtwar
20.	Sewa Bani Stage 1st MHP	2.0 MW	Kathua
21.	Sewa Bani Stage 2nd MHP	1.50 MW	Kathua
22.	Beerdu Neeru Stage 2nd MHP	1.50 MW	Doda
23.	Poda Sarthal MHP	1.40 MW	Kishtwar

24.	Pai MHP	0.75 MW	Reasi
25.	Jajhar MHP	0.45 MW	Reasi
26.	Kaloord MHP	0.75 MW	Kathua
27.	Khait Jalain MHP	1.40 MW	Poonch
28.	Jalain Baddar MHP	1.75 MW	Poonch
29.	Lolail Bella MHP	1.30 MW	Poonch
30.	Loran MHP	2.00 MW	Poonch
31.	Phagla Stage 2nd MHP	1.50 MW	Poonch
32.	Chapra Stage 1st MHP	1.50 MW	Poonch
33.	Chapra Stage 2nd MHP	1.70 MW	Poonch
34.	Laisoo MHP	1.00 MW	Kulgam
35.	Sarfaraw Stage 2nd MHP	2.0 MW	Ganderbal
36.	Waniyaran MHP	1.1MW	Ganderbal
37.	Naranag / Pahalnar MHP	1.5 MW	Ganderbal
38.	Arizal MHP	1.2 MW	Budgam
39.	Sheeri MHP	1.20 MW	Baramulla
40.	Romshi MHP	0.80 MW	Pulwama
41.	Kanday MHP	0.80 MW	Kulgam
42.	Ichoo MHP	1.6MW	Anantnag
43.	Mavar MHP	1.8 MW	Anantnag
44.	Ahlan MHP Stage 1 st	1.3 MW	Anantnag

45.	Ahlan MHP stage 2 nd	2.0 MW	Anantnag
46.	Tumina MHP	1.60 MW	Handwara
47.	Dahi Stage 1st MHP	1.8 MW	Bandipora
48.	Dahi Stage 2nd MHP	2.00 MW	Bandipora
49.	Drangla MHP	2.00 MW	Karnah
50.	Batmaji Stage 2nd MHP	1.2 MW	Karnah
51.	Hajipeer MHP	2.00 MW	Baramulla
52.	Dudhi Pathri MHP	1.7 MW	Budgam
53.	Batmaji Stage 1st MHP	1.50 MW	Kupwara
54.	Upper madhumatti MHP	2.00 MW	Bandipora
55.	Vigi MHP	1.20 MW	Bandipora
56.	Mawar Stage 1st MHP	1.60 MW	Kupwara
57.	Sarfaraw Stage 1st MHP	1.40 MW	Kangan
58.	Rayil Stage 1st MHP	1.25 MW	Kangan
59.	Aripath MHP	1.75 MW	Anantnag
60.	Matti Gawran MHP	1.50 MW	Anantnag
61.	HapatKhai MHP	1.50 MW	Baramulla
62.	Dudran MHP	1.20 MW	Baramulla
63.	Ichchini MHP Stage I	1 to 2 MW	Reasi
64.	Ichchini MHP Stage II	1 to 2 MW	Reasi
65.	Bagodas MHP stage I	1 to 2 MW	Reasi

66.	Bagodas MHP stage II	1 to 2 MW	Reasi
67.	Gulabgarh MHP Stage I	1 to 2 MW	Reasi
68.	Gulabgarh MHP Stage II	1 to 2 MW	Reasi
69.	PodaSarthal MHP stage II	1 to 2 MW	Kishtwar
70.	Kajie Hanswal MHP II	1 to 2 MW	Kishtwar
71.	MHP Matti Garwan stage II	1 to 2 MW	Anantnag
72.	MHP Aripath stage II	1 to 2 MW	Pulwama
73.	MHP Madwah stage I	1 to 2 MW	Anantnag
74.	MHP Madwah stage II	1 to 2 MW	Anantnag
75.	MHP Madwah stage III	1 to 2 MW	Anantnag
76.	MHP Madwah stage IV	1 to 2 MW	Anantnag
77.	MHP Khudsoo Stage I	1 to 2 MW	Anantnag
78.	MHP Khudsoo Stage II	1 to 2 MW	Anantnag
79.	MHP Aglar	1 to 2 MW	Budgam
80.	MHP Abhama stage I	1 to 2 MW	Budgam
81.	MHP Abhama stage II	1 to 2 MW	Budgam
82.	MHP Mujpathar	1 to 2 MW	Budgam
83.	MHP Nechain	0.5 to 1.0 MW	Kupwara
84.	MHP Kundain	0.5 to 1.0 MW	Kupwara
85.	MHP Surmapadi	0.5 to 1.0 MW	Kupwara
86.	MHP Dumail- Baltal	1 to 2 MW	Ganderbal

87.	MHP Hapatnard	1 to 2 MW	Anantnag
88.	MHP Chandhanwari	1 to 2 MW	Baramulla
89.	MHP Aripath Tributary	1 to 2 MW	Anantnag
90.	MHP Lither I	1 to 2 MW	Anantnag
91.	MHP Lither II	1 to 2 MW	Anantnag

JAKEDA stated that they have taken up the matter regarding providing of inter connection points for the upcoming projects with PDD and the interconnection points at 33/11 kV level stand identified by PDD for projects already allotted to IPPs.

In renewable energy sector the projects stated to be taken up by JAKEDA are enlisted below:-

S. No.	Type of renewable technologies	No. of projs.	Cumulative capacity	Commissioning Financial year	
				12 th Plan (2016-17)	13 th Plan (2021-22)
1	Solar(grid connected)	3	130MWs	130MWs	--
2	Solar (grid connected)	10	1000MWs	--	1000MWs
3	MHPs (Hydel upto 2MW)	180	360MWs	360MWs	--
4	MHPs (Hydel upto 2MW)	500	800MWs	--	800MWs
5	Wind Power Project	1	10MWs	10MWs	--

JAKEDA further submitted that three projects under Solar (Grid connected) have been allotted in Kathua & Samba districts of J&K under IPP mode. The matter regarding providing inter connection point and power purchase was taken up with J&K Power Development Dept. As JKPDD may be reluctant to purchase Solar power at a high rate, the IPPs have requested for providing of banking and wheeling facility for transmitting power outside J&K.

9.5 **Response from Ladakh Renewable Energy Development Agency (LREDA):**

Details of Renewable Energy Projects taken up and those being taken up upto the end of the 12th Plan (2016-17) in the Leh District of Jammu and Kashmir, as submitted by LREDA, are as follows:

Hydel Projects (Mini and Micro Hydel):

Sr.No	Name of the Mini-Hydel Project Scheme	Capacity (kW)	Location of the Project (Village, Block)	Expected date of Completion
1.	Turtuk MHP	500	Turtuk, Nubra	Dec 2014
2.	Bogdang MHP	800	Bogdang, Nubra	June 2015
3.	Henache MHP	600	Henache, Nubra	-Do-
4.	Chamshen MHP	450	Chamshen, Nubra	-Do-
5.	Tsati MHP	500	Tsati, Nubra	-Do-
6.	Chulungkha MHP	800	Chulungkha, Nubra	-Do-
7.	Durbuk MHP	350	Durbuk, Durbuk	Dec 2015
8.	Waris-III MHP	1200	Waris, Nubra	-Do-
9.	Shayok MHP	600	Shayok, Durbuk	-Do-
10.	Sumdhado MHP	300	Sumdhado, Khaltse	-Do-
11.	Rongdo MHP	3000	Rongdo, Nubra	-Do-
12.	TOTAL CAPACITY	9.1 MW		

LREDA submitted that the construction of the above HEPs has been taken up by the Agency through EPC mode and these projects after commissioning will be operated by the Agency itself. LREDA submitted that it has informed J&K Power Development Department (JKPPD), Leh about the projects taken up and envisages that the power shall be evacuated through the 66 kV line being implemented by the J&K PDD in Nubra Valley of Leh District. In addition, the power is proposed to be supplied to the villages through the RGGVY Networks under execution in the region. PDD officers present during the hearing did not confirm the receipt of evacuation proposals from LREDA.

Solar (Off-grid Solar Power Plants):

S No.	Site Name	Type	Capacity (kWp)	Status of Completion
1	High School Saspol	Institution	5	Complete
2	PHC Saspol	Institution	5	Complete
3	PHC Chushul	Institution	5	Complete
4	PHC Skurbuchan	Institution	5	Complete
5	PHC Turtuk	Institution	5	Complete
6	PHC Bogdang	Institution	5	Complete
7	PHC Chuchot	Institution	5	Complete
8	PHC Panamik	Institution	5	Complete
9	PHC Diggar	Institution	5	Complete
10	PHC Temisgam	Institution	5	Complete
11	Matho Monastery	Institution	5	Complete
12	Schachukul Monastery	Institution	5	Complete

13	Spituk Monastery	Institution	5	Complete
14	Kespang Monastery	Institution	5	Complete
15	Samstangling Monastery	Institution	5	Complete
16	Hanley Monastery	Institution	5	Complete
17	Jamia Masjid, Leh	Institution	5	Complete
18	Moravian Church, Leh	Institution	5	Complete
19	Imam Bara, Chuchot	Institution	5	Complete
20	MaheyKhotsa (Nunnery)	Institution	5	Complete
21	HemisKhotsa (Nunnery)	Institution	5	Complete
22	Rezong Monastery	Institution	5	Complete
23	High School Lamayuru	Institution	5	Complete
24	High School Wanla	Institution	5	Complete
25	High School Chushul	Institution	5	Complete
26	High School Panamik	Institution	5	Complete
27	High School Thiksay	Institution	5	Complete
28	High School Likste	Institution	5	Complete
29	High School Chumathang	Institution	5	Complete
30	High Sec. School Hunder	Institution	5	Complete
31	High School Bogdang	Institution	5	Complete
32	High Sec. School Turtuk	Institution	5	Complete
33	High School Dha	Institution	5	Complete

34	High School Bema	Institution	5	Complete
35	High School HanuYokma	Institution	5	Complete
36	High School Skurbuchan	Institution	5	Complete
37	High School Domkhar	Institution	5	Complete
38	Higher Sec. School Sumoor	Institution	5	Complete
39	Ladakh Heart Foundation	Institution	5	Complete
40	Ankung	Village	5	Completion in 2014
41	Imamia Mission School	Institution	7.5	Complete
42	Islamia School	Institution	7.5	Complete
43	Moravian Mission School	Institution	7.5	Complete
44	Hangkar	Village	7.5	Complete
45	Doltokling	Village	7.5	Complete
46	Rumbak	Village	7.5	Complete
47	Khastath	Village	7.5	Complete
48	Waris-Fastan	Village	7.5	Complete
49	New Millenium School	Institution	10	Complete
50	Relay	Village	10	Complete
51	Defence Accts. Office	Defence	10	Complete
52	Boys High Sec. School, Leh	Institution	12.5	Complete
53	Druk Padma Karpo School	Institution	12.5	Complete

54	Degree College	Institution	12.5	Complete
55	Diskit Monastery	Institution	12.5	Complete
56	Higher Sec. School Chuchot	Institution	12.5	Complete
57	Higher Sec. School Sakti	Institution	12.5	Complete
58	PHC Tangste	Institution	12.5	Complete
59	Jamyang School	Institution	12.5	Complete
60	Higher Sec. School Temisgam	Institution	12.5	Completion in 2014
61	Lamdon Senior Sec. School	Institution	12.5	Complete
62	Likir Monastery	Institution	12.5	Complete
63	PHC Khaltse	Institution	12.5	Incomplete
64	PHC Nyoma	Institution	12.5	Incomplete
65	SDH Nubra	Institution	12.5	Incomplete
66	TrakThok Monastery	Institution	12.5	Complete
67	Mahabodhi School	Institution	12.5	Complete
68	Lukung	Village	12.5	Complete
69	Kaya	Village	12.5	Complete
70	Chipra	Village	15	Complete
71	Spangmik	Village	15	Complete
72	CRPF	Defence	15	Incomplete
73	Gompa Soma	Village	15	Complete

74	Dipling	Village	20	Completion in 2014
75	Parma	Village	20	Completion in 2014
76	Demjok	Village	20	Completion in 2014
77	HunderDok	Village	20	Completion in 2014
78	Niddar	Village	20	Complete
79	Lingshed (4 sites)	Village	80	Completion in 2014
80	ITBF	Defence	20	Completion in 2014
81	Chumur	Village	20	Completion in 2014
82	SNM Hospital	Institution	20	Complete
83	Yarath	Village	25	Complete
84	Bokshado	Village (Hamlet)	25	Complete
85	Kherapulu	Village	25	Complete
86	Skumpata	Village	25	Completion in 2014
87	Yulchung	Village	25	Completion in 2014
88	Markha	Village	25	Complete
89	Nyiarags	Village	25	Completion in 2014

90	Police Lines Choglamsar	Defence	25	Complete
91	Nemgo	Village	32.5	Complete
92	SamadRokchan	Village	32.5	Complete
93	Photoksar	Village	37.5	Complete
94	Satho	Village	37.5	Complete
95	Deggar	Village	40	Complete
96	Merak	Village	40	Complete
97	Himank HQ	Defence	40	Complete
98	Yourgo	Village	42.5	Complete
99	Pungog	Village	42.5	Completion in 2014
100	Hanley TR	Village (Hamlet)	42.5	Completion in 2014
101	Rebel Sumdo	Village	42.5	Completion in 2014
102	Tsaga	Village (Hamlet)	42.5	Completion in 2014
103	Ronggo	Village	50	Complete
104	Army Nimmu	Defence	50	Complete
105	Army Partapur	Defence	50	Complete
106	Army Base Camp	Defence	50	Complete
107	Air-Force, Leh	Defence	50	Complete
108	16 BRTF, Leh	Defence	50	Complete

109	ITBP, Leh	Defence	50	Complete
110	Kharnak	Village	57.5	Complete
111	Mudth	Village	65	Complete
112	Koyul	Village	85 (42.5 X 2)	Complete
113	Hanley Khaldo	Village (Hamlet)	85 (42.5 X 2)	Complete
114	3 Vikas, Leh	Defence	100	Complete
115	Army Karu	Defence	100	Complete
116	Nyoma	Village	115 (57.5 X 2)	Complete
117	Chushul	Village	115 (57.5 X 2)	Complete
118	Army Leh	Defence	200	Complete
119	TOTAL CAPACITY		2735 (2.73MW)	

The above solar power plants are all off-grid solar power plants. 60 power plants have been installed for institutional use and have their own connection. 14 SPV Power Plants have been installed in defence establishments and the power evacuation has been taken care of by the establishment. The remaining 44 sites are village/hamlet power plants for which the power is being evacuated through LT lines set up by the JKPDD. Some of the villages do not have LT lines set up for which respective councillors have arranged for the power distribution networks through their constituency development funds. All village SPV Power Plants have been set up for the purpose of village electrification.

Recently MOU between Science & Technology Dept., J&K Govt and MNRE, GoI has been signed for setting up Solar Power Plants of 5000 MW capacity in Leh District. LREDA did not provide further detail

SOLAR-WIND HYBRID:

S.No	Solar-Wind Hybrid Project	Capacity (kWp)	Location of Institution	Date of Completion
1.	Puga Residential School	10	Nyoma Block	Completion in 2014
2.	Nyoma Residential School	10	Nyoma Block	Completion in 2014
3.	Khaltse Residential School	10	Khaltse Block	Completion in 2014
4.	Tharuk Residential School	10	Durbuk Block	Completion in 2014
5.	Diskit Residential School	10	Nubra Block	Completion in 2014
6.	Solar Energy Park	10	Leh Block	Completion in 2014
7.	TOTAL CAPACITY	60 kW		

Solar Wind-Hybrid systems have been installed in residential institutions and the solar energy park in Leh-Ladakh for the purpose of institutional use. Evacuation has been done internally by the institution.

9.6 Response from Kargil Renewable Energy Development Agency(KREDA):

KREDA submitted that the following 11 No.small HE Projects with a total capacity of 13.20MW have been identified for construction:

S. No.	Name of Small Hydro Power Project	Installed Capacity(kW)
1.	Zunkure	2x1250
2.	Raru	2x1000
3.	Mateyeen	2x500
4.	Bairas	2x750
5.	ThasgamDrass	2x250
6.	Chilong	2x500
7.	Sangrah	2x750

8.	Khand	2x750
9.	ThasgamSankoo	2x250
10.	Tambis	2x100
11.	Umbulung	2x500
	Total:	13.20 MW.

KREDA, till date, has allotted seven projects for construction on turnkey basis and rest of the projects are under process of allotment. These projects are proposed to be operated by KREDA after construction. The projects are proposed to be run in isolation and for evacuation of generation 11kV lines up to the existing 11kV system of PDD are proposed to be constructed, for which KREDA states to have kept sufficient provisions in the respective schemes.

KREDA has also installed small Solar Photovoltaic Plants (SPV) with capacity ranging from 2.5kWp to 100kWp on experimental basis in remote and un-electrified areas. The aggregate capacity of such plants is 1650kWp and the SPVs have their own distribution system for serving the local consumers. These plants are run and maintained by the Electricity Committees constituted at the village level for the purpose. The committees collect a nominal fee from the consumers to meet the expenditure on maintenance & operation of the plants.

Recently Science & Technology Dept., J&K Govt. and MNRE, GoI signed MOU for setting up of Solar Power Plants of 2500 MW capacity in Kargil. Further details were not provided.

9.7 **Response from Power Grid Corporation Of India Ltd. (PGCIL):**

PGCIL submitted the details of its transmission network in Jammu & Kashmir state as follows:

A. Existing Transmission facility

POWERGRID has established following transmission facilities in the state of Jammu and Kashmir to improve the power supply in the State and help exchange of power with the grid.

- 765 kV Transmission lines : 560 ckm

- 400 kV Transmission lines : 990 ckm
- 220kV & 132kV Trans lines : 975 ckm
- 400/220kV substations : 4 Nos with 315MVA transformation capacity (Wagoora, Samba, New Wanpoh & Kishenpur)

B. On-going/New Transmission Projects

(i) 4x105 MVA 400/220kV transformer at Kishenpur

Kishenpur is an existing 3x315MVA 400/220kV S/s of POWERGRID. Looking into the growing load requirement of the area, augmentation by 4x105 MVA ICT has been proposed. The scheme is likely to be commissioned by Mar'14.

(ii) Establishment of 2x315 MVA, 400/220 kV Substation at New Wanpoh

To meet the growing load demand of Kashmir Valley and adjoining area, a new 2x315 MVA, 400/220kV substation has been planned at New Wampohalong with the Loop in Loop out (LILO) of Kishenpur – Wagoora 400 kV D/c line & Kishenpur – Wanpoh 400 kV D/c line under Northern Region System Strengthening-XVI. The following scheme is under implementation

- Establishment of 2x315 MVA, 400/220 kV substation at New Wanpoh-**commissioned**
- LILO of Kishenpur – Wagoora 400 kV D/c line at New Wanpoh S/s-**commissioned**
- Kishenpur – New Wanpoh 400 kV D/c

The scheme is likely to be commissioned during March'14.

(iii) NRSS-XXIV

For reliable evacuation of power from Dulhasti HEP (390 MW), Dulhasti – Kishenpur 400 kV D/C (Quad) initially one circuit strung line has been planned under Northern Region System Strengthening-XXIV. This would be high capacity line and would also facilitate for evacuation of other hydro

projects in the vicinity for which stringing of second circuit would be taken up.

➤ Dulhasti – Kishenpur 400 kV D/C (Quad) initially one circuit strung. The scheme is likely to be commissioned by 2014.

(iv) Augmentation of transformation Capacity in Northern Region for 2016-17 Conditions

To meet the growing load demand on Jammu region, additional transformer has been planned at Samba substation of

➤ 1x315 MVA ICT (3rd) at Samba

Expected commissioning schedule- 2016.

(v) SVCs in Northern Region

J&K experiences wide voltage variations due to the high variation in demand and generation with respect to summer & winter season. To control the voltage variations, dynamic compensation has been planned at New Wanpoh (Srinagar area)

➤ New Wanpoh S/s - (+) 300 MVAR / (-)200 MVAR

Expected commissioning schedule- 2016

(vi) Kishenganga HEP (330 MW) transmission System

For evacuation of power from Kishenganga, following transmission scheme is proposed. The system would provide direct connection to generating station improving the quality of power to the area. The scheme includes –

➤ Kishenganga – Alusteng 220 kV 2xD/C – 30 km

➤ Alusteng – New Wanpoh 220 kV D/C– 60 km

➤ Kishenganga- Amargarh 220kV D/C – 50 km

PDD to confirm space for termination at its 220kV switchyard. The system construction would be matched with the commissioning of generation units. The expected commissioning schedule of the generation project is 2016-17.

(vii) Loop in Loop out of Sarna-Hiranagar 220kV line at 400/220kV Samba (PG) substation

To facilitate J&K to draw power from Samba 400/220kV substation of POWERGRID, Loop in Loop out (LILO) of Sarna- Hiranagar 220kV has been approved in Standing Committee Meeting of Power System Planning. The expected commissioning schedule of the generation project is 2016.

C. Consultancy Project

To connect Kargil and Leh/Ladakh area with Northern Grid, Govt. of India has entrusted POWERGRID to construct 220kV Srinagar (Alusteng) –Kargil-Leh Transmission System along with 66kV interconnection through Central Plan Assistance. The scheme includes

(i) Srinagar (Alusteng) to Leh via Kargil Transmission system:

- Alusteng (Srinagar)-Drass 220kV S/C
- Drass-Kargil 220kV S/C
- Kargil-Khalsti 220kV S/C
- Khalsti-Leh 220kV S/C
- Establishment of 220/66V substations at Kargil and Leh with 2x50 MVA (7x16.67 MVA,1 Ph) ICT and 1x25 MVAR (4x8.33 MVA, 1Ph) bus reactor at each location and 4 nos. of 66kV line bays at each location.
- Establishment of 220/66kV substation at Drass & Khalsti with 1x50 MVA (4x16.67 MVA,1Ph) ICT at each location and 2 nos. of 66kV line bays at each location.

(ii) 66kV interconnection system

- Drass 220/66 kV - Drass 66/11 kV (RGGVY) 66kV D/C
- Kargil 220/66 kV - Kargil 66/11 kV (RGGVY) 66kV 2xD/C
- Khalsti 220/66 kV - Khalsti 66/11 kV (RGGVY) 66kV D/C
- Leh 220/66 kV - Leh 66/11kV (RGGVY) 66kV 2xD/C
- Provision of 4 no. of 66kV bays at Kargil 66/11kV (RGGVY) and Leh 66/11kV (RGGVY) and two no. of 66kV bays at Drass 66/11kV (RGGVY) and Khalsti 66/11kV (RGGVY).

The Detailed Project Report (DPR) of the scheme has been prepared and the scheme is envisaged to be completed in 3 ½ years from the date of release of funds to POWERGRID. Investment approval from GoI was accorded on 02/01/2014

D. Other Future Projects:

a. Ratle Evacuation:

M/s GVK Ratle Hydro Electric Project Pvt Ltd is developing an 850MW hydroelectric project in Jammu & Kashmir. The generation project is expected to be commissioned by Oct'18. For evacuation of power from the project Loop in Loop out of under construction Dulhasti- Kishenpur 400 kV D/C (Quad) line and stringing of second circuit of Quad Dulhasti- Kishenpur 400 kV has been agreed. Accordingly the proposed system includes

- LILO of one circuit of Dulhasti- Kishenpur 400 kV D/C (Quad) line (single circuit strung) at Ratle HEP
- Kishenpur- Ratle 400kV S/C (Quad) (second circuit of Dulhasti- Kishenpur 400 kV to be strung from Kishenpur end upto Ratle HEP)

b. Evacuation of Power from Future Hydro Projects of J&K in

Chenab Basin: In Chenab Basin in J&K hydro projects with capacity of 6200 MW have been identified. To plan a comprehensive scheme a Task Force consisting of representatives from J&KSPDC, PDD J&K, CEA& POWERGRID undertook a site visit and a comprehensive master plan was developed.

For evacuation of power two nos. of transmission corridors have been planned.

- i) High Capacity Corridor–I :** Triple HTLS 400kV D/C line from Reoli Dugli HEP (from HP) to Kirthai-II(990MW) via Kirthai-I (350MW) and 400 kV D/C (Quad HTLS) line from Kirthai-II HEP (HP) – Kishtwar Pooling station.

- ii) High Capacity corridor–II** : 400 kV D/C (Triple HTLS) from Kiru HEP(660MW)–Kishtwar Pooling stn. via Kwar HEP(560MW) & Pakaldul HEP(1000 MW)
- iii)** Further power from Bursar HEP (1020 MW) is also to be pooled at Kishtwar.
- iv)** For evacuation of Sawalkote(1856MW) LILO of both circuits of 400 kV Kishenpur-Wagoora D/c line and 400 kV Kishenpur-New Wanpoh D/c at Sawalkote and charging of Kishenpur-Gurdaspur/Sirhind at 765kV has been proposed.

As Pakuldul is expected first, tentative schedule is 13th plan. For evacuation of Pakuldul establishment of Kishtwar and Gurdaspur/Sirhand (in Punjab) by LILO Kishenpur-Moga and 765 kV Kishtwar- Gurdaspur/Sirhand D/c line has been planned. Most of the projects are in DPR stage. Initially the operation of 765kV lines would be at 400kV. With coming up of more generation, an additional 765 kV D/c line shall also be planned from Gurdaspur / Sirhind. Till date we have received Connectivity and LTA for Ratle only which would be evacuated through Dulhasti-Kishenpur quad line already proposed. Other generators have to apply for LTA connectivity so that scheme can be taken up.

c. Improve the Reliability of Power Supply to J&K

There was complete collapse of power supply to Kashmir Valley on 6th& 7th January 2012 due to heavy snowfall and breakdown / tripping of all three existing links between Jammu region and Kashmir valley which are routed through Udhampur – Batote – Banihal- Peerpanjal pass. It was informed that the common corridor of existing transmission lines is highly prone to snow storms, landslides and other natural calamities making whole power transmission unreliable.

Further, the power supply to Jammu and Kashmir is primarily through 400/220 kV, Kishenpur substation and any major fault at this substation may lead to disruption of power supply to the state. It has therefore been considered necessary that an alternate path is made available for transfer of power from Jammu region to Kashmir valley. Keeping above in view, following transmission system has been planned as ISTS strengthening scheme under NRSS-XXIX:

- Jullandhar – Samba 400 kV D/c – 170 km
- Samba –Amargarh 400 kV D/c – 250 km
- LILO of both circuits of Uri – Wagoora 400 kV D/c line at Amargarh – 10 km
- Establishment of 2x315 MVA, 400/220 kV GIS substation at Amargarh

The above transmission scheme would result into a complete 400 kV ring in J&K with different sources of power supply and improve the reliability of power supply to the state. The above scheme is proposed to be implemented through Tariff Based Competitive Bidding.

9.8 **Response from J&K Power Development Department (PDD):**

9.8.1 As per the submissions made by PDD, its present transformation capacity at 220/132kV & 132/66-33kV levels is as under:

220/132kV: Jammu = 2030MVA, Kashmir = 1700MVA Total = 3730MVA.

132/66-33kV: Jammu = 1870.5MVA Kashmir = 2261 MVA Total = 4131.5MVA

The requirement of Transformation Capacity(in transmission system) by the end of 12th Plan has been projected by PDD as follows:

S.No	Voltage Level	Grid Capacity available ending12/2013(MVA)	Requirement ending 12 th plan 2016-17(MVA)	Gap to be met during 12 th plan(MVA)
1.	220/132kV	3730.00	5160.00	1430.00
2.	132/66-33kV	4131.50	6192.00	2060.50

The requirement of Transformation capacity in Distribution system by the end of 12th Plan has been projected as follows:

S.No	Voltage Level	Availability at end of 11 th plan (MVA)	Requirement at end of 12 th plan 2016-17(MVA)	Gap to be met during 12 th plan(MVA)
1.	66-33/11kV	4703.85	7431.00	2727.15
2.	11-6.6/0.4kV	5388.00	8917.00	3529.00

9.8.2. PDD also submitted an abstract of plan for addition of capacities in Transmission System, in order to cater to a projected load demand of 5906 MVA at the end of 13th Plan i.e. ending 2021-22. The abstract submitted is as follows:

S No.	Discription	Unit	Existing Capacity/CktKms			Additions Proposed during 12th & 13th five year plan			Total Capacity/CktKms at the end of 13th five year plan
			KASHMIR	JAMMU	LADAKH	KASHMIR	JAMMU	LADAKH	
1 .	220/132 KV level	MVA	2020 MVA (including U/C Alusteng G/Stn)	2030 MVA	.....	1120 MVA	2080 MVA(360 MVA - Augmentation and 1720 MVA Creation)	.....	7250 MVA
2 .	220/66 KV level	MVA	.....	.....	.....	.....	.....	300 MVA	300 MVA
3 .	132/33 KV level	MVA	2411 MVA (including U/Cbandipora and Alusteng Grid Stns)	1902 MVA	.....	1380 MVA	1450 MVA(350 MVA - Augmentation and 1100 MVA Creation)	.....	7143 MVA
4 .	220 KV transmiss ion Lines	CKM	720 Kms (including U/C PMRP lines)	516.10 Kms	.....	78.80 Kms	309.15 Kms	344.00 Kms	1968.05 Kms
5 .	132 KV Transmissi on lines	CKM	968.66 Kms (including U/C PMRP lines)	1152 Kms	.....	461.00 Kms	299.00 Kms	.....	2880.66 Kms
6 .	132 KV Undergrou nd Power Cables	CKM	0.00 Kms	0.00 Kms	.....	32.00 Kms	.....	.....	32.00 Kms

9.8.3 PDD & JKSPDC did not make any written submission, in response to sub para (vi) of para 16 of the commission's order dated 28-11-2013 in the matter, on the status of constitution of task force headed by the Administrative Secretary of Planning and Development Department and that of constitution of Technical Committee headed by Administrative Secretary of Power development department as per the decision taken by the BODs of

the SPDC in its 68th meeting. However, Dev. Commissioner Power, who was present during the hearing, on asking by the Commission about the status, stated that the committees are yet to be constituted.

9.8.4 The Commission has also taken a note of the fact that the Utility has not been able to make a decisive breakthrough with regard to the implementation of R-APDRP (Part B) which interalia envisages modernization and development of infrastructure related to power in 30 important towns of the State.

10. The Commission heard the representatives of the respondents in detail and also examined the written submissions made by them. The Commission has noted with concern that there is lack of coordination between the agencies, particularly those responsible for development of Medium, Small and Micro Power Projects and Transmission & Distribution utilities for planning evacuation of power from various power projects. Commission also took notice of the fact that a system study was undertaken by the Planning & Designs Wing of the Power Development Department in the year 2011 for preparation of plans for strengthening the T&D network in the State to meet the requirements of 12th plan period. A draft action plan was also prepared but the study has not been taken to a logical conclusion till date. First two years of the 12th Plan are already over but the plans for strengthening the T&D network in the State are yet to be finalized. The Commission feels that unless measures are taken on a war footing basis by the T&D utilities, the State may be facing a serious situation on the power front where sufficient power may be available from the new/upcoming projects and other sources but the State may not have the required infrastructure to deliver the power to the consumers, particularly in the face of projected/growing demand for power.

11. Taking serious note of the delays and in the view of the importance of the issue, the Commission directs as under:-

- PDD, being the sole Transmission & Distribution utility in the state, has the responsibility of planning and construction / augmentation of its T&D system not only to match the unrestricted peak demand of the state in future but also to allow wheeling and transmission of power generated from a large number of generating stations which are envisaged to come up through various agencies, as per the submissions of respondents in the preceding paras and which are to inject power into the PDD network at different voltage levels for the purpose of utilization/wheeling/transmission. The plans submitted by PDD are incomplete. The Utility is directed to complete the system study without further loss of time, taking help from CEA or any other agency equipped with modern tools. The detailed proposals supported by system studies should indicate year wise phasing for implementation, financial estimates and financing plans along with location wise details matching the load growth.
- The Utilities shall ensure that the time lines for construction of power evacuation system and those for construction of generating stations are matching so that there is no loss of generation as has happened in the case of Chutak and Nimmo Bazgo projects in Ladakh region.
- 220/132 kV Aulesteng Grid Station is a critical link for connectivity of Ladakh Region with the Northern Grid through proposed 220 kV Srinagar-Leh Transmission Line, being constructed by PGCIL. J&K PDD needs to complete the construction of this vital grid station on priority as its completion is otherwise also critical to the completion of 220 kV ring in Kashmir Valley. Similarly other left over works under PMRP also

need to be completed at the earliest to remove the deficiencies in infrastructure for improving reliability of the system.

- LREDA & KREDA have taken up construction of Power Projects in EPC mode. The J&K Govt. Policy for development of Micro/Mini Hydro Power Projects-2011 also specifies that projects upto 2 MWs should be allotted to IPPs. The projects being constructed in EPC mode will have to be taken over by the concerned Agencies after completion, for operation & maintenance which would be a major challenge for these two Agencies. These concerns would need to be addressed now and remedial actions taken.
- For evacuation plans for large power projects, being developed by JKSPDC, CVPPP and other agencies need to follow the matter of connectivity/ long term access with PGCIL (CTU) regularly. As per PGCIL, these Agencies are yet to place the requisitions for Long Term Access for use of the Transmission System of the CTU for evacuation of power. All the concerned Generating Utilities are directed to place requisition for long term access with the concerned quarter/CEA.
- PGCIL has established two new 400/220 kV sub-stations at new Wanpoh (Kashmir) and Samba (Jammu) with transformation capacity of 2 x315 MVA at each sub-stations. By commissioning of these sub-stations, additional sources of power have become available within the State at load centers thereby improving the reliability of the system by removing system constraints. However, no action has been taken by PDD so far towards connecting its 220 kV Transmission System with PGCIL sub-stations mentioned above. The Commission directs Power Development Department to take immediate steps towards the evacuation of power at 220 kV level from the new PGCIL sub-stations.

- JKPDD is directed to take immediate steps with regard to the implementation of R-APDRP (Part B) as its implementation has been inordinately delayed to the disadvantage of the State.

The Commission noted with concern that the Task Force and the Technical Committee, as per the decision taken by BODs of JKSPDC in its 68th meeting on 20-02-2013, have not been constituted so far. The Commission strongly feels that constitution of the Task Force/committee is critical for ensuring coordination amongst various agencies in preparation of the action plan, prioritizing the requirements, identifying resources for funding the action plan and to monitor the implementation of the plans/project as per the stipulated time lines. Accordingly, the Commission directs that the Principal Secretary, PDD should take immediate action towards constitution of the Task force & Technical Committee for the purpose of assessment of requirements of power infrastructure in the state during 12th & 13th plan period based on demand projections and requirement on account of evacuation & utilization of power from various ongoing/upcoming projects. He shall also coordinate the implementation of plans of all the agencies responsible for development of generation, transmission & distribution systems in the state. The progress report shall be submitted to the Commission on a quarterly basis.

Gist of the Directives issued by the Commission from time to time

Directive/Issue	Summary
A. Status of compliance against directives issued in Tariff Order for FY 2007-08	
Consumer Metering	Summary of Directive issued:
	<ul style="list-style-type: none"> • Submission of a detailed metering plan covering feeder, DT and consumer level metering to the Commission.
	<ul style="list-style-type: none"> • Target date for 100% metering across consumer categories was set at December 31, 2009.
	<ul style="list-style-type: none"> • Investment requirement with timeframe and tentative sources of funding was to be submitted to the Commission for approval.
	Petitioner's previous response:
	<ul style="list-style-type: none"> • Central government has allocated Rs.1,909 Cr under R-APDRP, in which 10% would be funded by state government and remaining to be funded by grants provided by Government of India (GoI) in five tranches.
	<ul style="list-style-type: none"> • JKPDD-D is also exploring an option of funding from Ministry of Power for small towns having more than 4000 population.
	<ul style="list-style-type: none"> • JKPDD-D has planned to place new and advanced radio based meters for which it has currently appointed an agency DRS Pvt ltd for comprehensive testing. JKPDD-D is also planning to call price bids for meters as soon as the testing is being completed by the testing agency (Third Party Independent Agency).
	<ul style="list-style-type: none"> • Further, JKPDD-D plans to undertake an extensive metering program on its own, and in the petition, it has proposed to meter about 2 lakh customers in FY 2011-12 and about 3 lakh customers in FY 2012-13.
	Petitioner's response
<ul style="list-style-type: none"> • <i>Even though the J&K Electricity Act, 2010 had set the deadline for achieving 100% metering by April 2010, the Petitioner had requested the Commission to extend the same owing to the problems faced by the utility at ground levels. Considering the petition made by the Utility, the Commission vide its Order dated 26th April 2012 had extended the deadline for achieving 100% metering to June 2013.</i> • <i>JKPDD-D has submitted that it faces several difficulties in metering due to the presence of several un-registered consumers, replacement of defective/faulty meters, reluctance by existing un-metered consumers, etc. Hence, JKPDD-D has proposed that it will be able to meter all consumers in the State by end of the MYT Control period i.e. FY 2015-16.</i> • <i>JKPDD-D would submit a comprehensive province-wise/circle-wise metering plan along with investment requirement to the Commission along with the petition for request of "Extension of Deadline of 100% metering in Jammu & Kashmir beyond June 2013 upto the end of the MYT control period"</i> 	
Commission's views:	
<ul style="list-style-type: none"> • The Commission views that even though the Petitioner has already been provided sufficient time for metering consumers in the State, 3 years have elapsed from the passing of the J&K Electricity Act, 2010 and the Petitioner has made no progress so far in metering its consumers. • A further extension to the deadline for 100% metering in the State can only be possible if a comprehensive metering plan duly approved by the State Government with province-wise/circle-wise metering plan along with investment requirement, financing and procurement plan in line with the relevant provisos of the Act is submitted to the Commission. • In view of above, the Commission directs JKPDD-D to submit a comprehensive metering plan duly approved by the State Government before the completion of existing deadline i.e. by 30th June 2013. In case there is any more delay in the proposed metering plan duly approved by the State Government, it would invite penal action against JKPDD-D under the provisions of the Act and the relevant Regulations of the J&KSERC (Multi Year Tariff Distribution) Regulations, 2012. 	
Energy Audit	Summary of Directive issued:
	<ul style="list-style-type: none"> • The Petitioner was directed to carry out energy audit of all industrial feeders and submit the report to the Commission on a quarterly basis, starting October 15, 2007.
	<ul style="list-style-type: none"> • The Petitioner was directed to carry out monthly circle/ division wise T&D loss assessment from March, 2007 onwards.

	<p>Petitioner's previous response:</p> <p>Under R-APDRP, JKPDD-D is compulsorily mandated to micro manage AMR on DTs and feeders. JKPDD-D is cognizant of importance of this and is working on implementing the same</p> <p>Petitioner's response</p> <p><i>The Petitioner submitted that the progress is being monitored not on the basis of historical accruals but on feeder wise loss status, which is enabled only by energy audit. Chief Engineers of Jammu and Srinagar will consolidate month-wise loss status of each 11 kV feeder summed up over these months till November 2012 and same will be submitted to the Hon'ble Commission shortly.</i></p> <p>Commission's views:</p> <p>Even after repeated directives by the Commission, the Petitioner has not carried out energy audit for determination of actual T&D losses in the State. Thus, the Commission again directs the Petitioner to carry out system studies for determination of T&D losses in the State and also conduct feeder-wise energy audit and consumer indexing for estimating the base T&D loss level. Subsequently, the Petitioner should identify feeders with high loss levels and develop a holistic loss reduction plan for reducing distribution losses on such feeders. The Commission directs the Petitioner to submit a report in this regard within 6 months of the issue of this order.</p>
Revenue Cycle Management	<p>Summary of Directive issued:</p> <p>The Petitioner was directed to conduct a study of processes and identification of improvement areas and submit the report by 30th November 2008. The areas to be covered included:</p> <ul style="list-style-type: none"> - New connections & connections management; - Meter management; - Meter reading; - Revenue billing process; - Collection management; - Revenue recovery; - Revenue discipline process (enforcement) - Customer care <p>Petitioner's previous response:</p> <p>JKPDD is constructing Data Centre & Data Recovery Centers in Jammu and Srinagar respectively to create a more transparent system of data management for new and existing connections, billing & meter reading and also for centralizing the data bank. The centre will also offer 24X7 customer service to major cross section of consumers in state which will subsequently extended to all the consumers in state.</p> <p>Petitioner's response:</p> <p><i>Revenue Cycle Management and Feasibility studies for possible financial turnaround are under progress and independent consultants M/s Feedback Infra have been awarded this study for both Jammu and Srinagar cities. Options are also being explored for Distribution Franchisee in these cities for better revenue cycle management.</i></p> <p>Commission's views:</p> <p>It is to be noted that no report on compliance of this directive has been submitted by the Petitioner. Further in view of the study being undertaken, the Commission directs the Utility to submit the findings of the study before 30th June 2013.</p>
	<p>Summary of Directive issued:</p> <ul style="list-style-type: none"> • The Petitioner was directed to segregate costs between transmission and distribution functions and file separate petitions from subsequent years. • The Petitioner was directed to maintain separate Fixed Asset Registers (FAR) for the two functions. <p>Petitioner's previous response:</p> <p>JKPDD-F is working towards the directive given by the Commission.</p> <p>Petitioner's response</p>

	<p><i>The separate petitions for transmission and distribution business have already been filed by the JKPDD-D with provisional segregation of Assets and Liabilities of JKPDD-D in both the Businesses in line with the various notifications of GoJK. Final segregated costs will be captured once unbundling is complete.</i></p> <p>Commission's views:</p> <ul style="list-style-type: none"> • Even though the Commission has processed the present ARR/Tariff petitions for MYT Control period for the Transmission and distribution business of JKPDD-D separately, it faced several constraints related to availability of reliable and accurate data. Further, for the purposes of carrying out true up for past years it is required that the utility maintains proper accounts and submit audited information to the Commission. • Accordingly, the Commission directs the Utility to maintain asset data for opening GFA and the audited data for costs and revenues for both distribution and transmission function separately and submit the same along with the next Annual Performance Review (APR) and Tariff Petition for FY 2014-15.
Database Management & MIS	Summary of Directive issued:
	The Petitioner was directed to submit the Terms of Reference for the selection of experts for development/ improvement of its MIS and DBMS to the Commission, for its review and approval, by June 30, 2007
	Petitioner's previous response:
	As mentioned elsewhere, establishment of base line data and periodical validation by third party is a pre requisite for claiming any privilege under R-APDRP.
	Petitioner's response
	<i>As already mentioned, DBMS and MIS are a part of portfolio R-APDRP and same is being implemented as per the schedules of R-APDRP.</i>
	Commission's views:
As directed by the Commission, the Utility had submitted to the Commission draft terms of reference for selection of experts for development of MIS & DBMS. It has now decided to take up the same under R-APDRP. The Commission would monitor implementation of R-APDRP on a quarterly basis and directs the Petitioner to submit quarterly progress reports within first week of the month succeeding the quarter on the progress made by the Petitioner.	
ToD Tariffs	Summary of Directive issued:
	<ul style="list-style-type: none"> • The Petitioner was directed to complete the activation of the time-of-day feature by 30th June 2007 and notify the Commission of the same. • It was also directed to submit consumption details of peak and off-peak periods for all HT consumers on a monthly basis from 31st July 2007.
	Petitioner's previous response:
	JKPDD proposed to create an internal task-force to look into the assessment of ToD tariffs in the State and identify the data that's required for implementing the same. The Department may involve an independent consultant to undertake collection of relevant data and assessment of the same.
	Petitioner's response
	<i>JKPDD-D likes to submit that the collection of requisite data is in process and will be submitted to the Commission shortly.</i>
	Commission's views:
	The Commission takes notes of the delay in submitting compliance to this directive by the Petitioner. The Commission again directs the Petitioner to submit copy of report for assessment of TOD tariffs before 30 th September 2013.
Sales Forecasting	Summary of Directive issued:
	JKPDD was directed to submit consumption details of peak and off-peak periods for all HT consumers on a monthly basis from 31 st July 2007. The Commission also directed it to detail the methodology used for projecting energy sales.
	Petitioner's previous response:
	Citing that the installation of trivector meters is a recent phenomenon, JKPDD-D had proposed to

	undertake appropriate training of the field staff (especially the meter readers) to understand and interpret the energy consumption data being recorded in the trivector meters.
	Petitioner's response
	<i>The respective Chief Engineers (EMRE) of two provinces have been advised to consolidate the desired information and pass on this information to the Commission.</i>
	Commission's views:
	The data for peak and off-peak consumption for HT consumers is already being recorded in the trivector energy meters installed at such connections. The Commission directs the Petitioner to compile the same on a monthly basis and submit the report to the Commission on monthly basis within first week of the month succeeding the reporting month.
Region wise details	Summary of Directive issued:
	The Petitioner was directed to submit details on the power availability, energy sales, level of metering, revenue realization and loss levels in different regions in the State.
	Petitioner's previous response:
	JKPDD shall endeavor to comply with the directive given by the Commission in this regard.
	Petitioner's response
	<i>The Chief Engineers (EMRE) have already been directed to provide requisite information in the time bound manner to the Commission.</i>
	Commission's views:
JKPDD-D was directed to submit the same on a quarterly basis to the Commission which the Petitioner had failed to do. The Commission once again directs JKPDD-D to submit the requisite information on a quarterly basis within first week of the month succeeding the quarter.	
Progress monitoring	Summary of Directive issued:
	The Petitioner was directed to submit quarterly progress reports on each directive issued by the Commission.
	Petitioner's previous response:
	JKPDD shall endeavour to comply with the directive given by the Commission in this regard.
	Petitioner's response
	<i>Henceforth, JKPDD shall ensure timely compliance.</i>
	Commission's views:
JKPDD-D has failed to comply with the directive on progress monitoring of the set of directives issued by the Commission. The frequency of progress reporting on various directives has been intermittent and mostly limited to the ARR & Tariff petitions being filed by JKPDD-D. The Commission again directs JKPDD-D to submit quarterly reports on progress monitoring within first week of the month succeeding the quarter.	
B. Status of compliance against directives issued in Tariff Order for FY 2008-09	
Loss study	Summary of Directive issued:
	The Commission directed the utility to conduct a detailed loss study on an urgent basis and submit the findings to the Commission by 31 st March 2009. Such loss study should be realistically able to ascertain/ estimate the following:
	- Sales in MU to various consumer categories; &
	- T&D losses.
	Petitioner's previous response:
	As part of Phase – I of the R-APDRP scheme, JKPDD would be setting up appropriate systems and software in place, which would help it ascertain the loss levels in its transmission and distribution system.
	Petitioner's response
<i>JKPDD-D has already proposed to outsource the job of estimating losses in Transmission and</i>	

	<p><i>Distribution Business.</i></p> <p>Commission's views:</p> <p>The Commission notes the dismal performance made by the Petitioner in reducing the T&D Losses in the State. Infact during FY 2012-13, the re-estimated T&D losses as submitted by the Petitioner have been higher by more than 10% over the targeted loss level. The Petitioner also did not comply with the directive issued by the Commission and failed to submit report for estimating the T&D losses in the State on scientific grounds.</p> <p>In view of above, the Commission again directs the Petitioner to carry out system studies for determination of T&D losses in the State and also conduct feeder-wise energy audit and consumer indexing for estimating the base T&D loss level. Subsequently, the Petitioner should identify feeders with high loss levels and develop a holistic loss reduction plan for reducing distribution losses on such feeders. The Commission directs the Petitioner to submit a report in this regard within 6 months of the issue of this Order.</p>
C. Status of compliance against directives issued in Tariff Order for FY 2009-10 & FY 2010-11	
Sales estimation	Summary of Directive issued:
	The Commission is of the opinion that for the un-metered consumers within each category being billed on flat rate tariffs, the units supplied should be worked backwards from the amount billed on connected load basis. The same must be adhered to in the future petitions of JKPDD.
	Petitioner's previous response:
	JKPDD submits that the directive is being complied with.
	Petitioner's response
	<i>JKPDD submits that the directive is being complied with.</i>
	Commission's views:
The Commission has noted the compliance of the above directive by the Petitioner.	
Metering of LT Industrial Consumers	Summary of Directive issued:
	The metering of LT consumers is grossly against the approved tariff regime and JKPDD is directed to meter the same with immediate effect and report the status to the Commission within 15 days from the issue of this Order.
	Petitioner's previous response:
	JKPDD has set out an extensive metering program. It is aiming to meter about 2 lakh unmetered customers in FY 12 and about 3 lakh unmetered customers in FY 13.
	Petitioner's response
	<i>All LT Industrial Consumers have been metered.</i>
	Commission's views:
The Commission has noted the compliance of the above directive by the Petitioner.	
Proposed Schedule of Miscellaneous Charges	Summary of Directive issued:
	The Commission directed the Petitioner to substantiate proposed hike with appropriate documents/ facts while seeking hike in any of the items listed in the schedule of miscellaneous charges.
	Petitioner's previous response:
	JKPDD submits that the said directive is complied with.
	Petitioner's response:
	<i>JKPDD likes to submit that no hike in miscellaneous charges have been proposed currently.</i>
	Commission's views:
The Commission has noted the compliance of the directive by the JKPDD.	
Revision of Connected Load Agreements	Summary of Directive issued:
	The Commission had directed JKPDD to undertake revision of agreements of all categories of consumers to assess the realistic connected load and also the maximum demand. A status report on the above had to be submitted to the Commission by 31 st October 2010.

	<p>Petitioner's previous response:</p> <p>JKPDD had submitted that revision of agreements is a continuous process. Further, the Department shall submit the list of all such customers where the connected load/ maximum demand were revised in FY 2010-11.</p> <p>Petitioner's response</p> <p><i>JKPDD submits that the directive is being compiled with. Consumer cooperation is being sought by putting in public domain a comprehensive VLDS scheme for voluntary disclosure of Connected Load.</i></p> <p>Commission's views:</p> <p>The Commission appreciates the steps being taken by JKPDD-D for revision of agreements to assess the realistic connected load and the maximum demand.</p>
Demand Side Management	<p>Summary of Directive issued:</p> <p>The Commission directed JKPDD to prepare a Demand Side Management plan and submit the same for the approval of the Commission.</p> <p>Petitioner's previous response:</p> <p>JKPDD is working towards the directive given by the Commission.</p> <p>Petitioner's response</p> <p><i>A comprehensive DSM plan is being worked out and will be submitted to the Commission shortly.</i></p> <p>Commission's views:</p> <p>The Commission notes that the Petitioner failed to submit a detailed Demand Side Management (DSM) plan along with the ARR & Tariff petition for the MYT Control period from FY 2013-14 to FY 2015-16 as directed by the Commission. Further, the J&KSERC (Multi Year Distribution Tariff) Regulations, 2012 also provide that the Petitioner should develop a comprehensive power purchase and procurement plan after accounting for DSM Plan. Thus, the Commission again directs the Petitioner to submit a DSM Plan for approval of the Commission by 30th June 2013.</p>
Replacement of non-functional meters	<p>Summary of Directive issued:</p> <p>JKPDD was directed to report the number of non-functional/ defective/ by-passed/ burnt out meters for each consumer category in the system as on 31st March 2010 along with an action plan to replace them. The report must be submitted to the Commission by 31st July 2010.</p> <p>Petitioner's previous response:</p> <p>JKPDD is already undertaking replacement of all such meters that are either non-functional or defective or burnt.</p> <p>Petitioner's response</p> <p><i>The Chief Engineers (EMRE) have already been directed to provide requisite information in the time bound manner to the Commission.</i></p> <p>Commission's views:</p> <p>The Commission directs the Utility to submit a report with regard to the number of non-functional/defective/bye-passed/burnt meters so far replaced and the number of such meters yet to be replaced latest by 30th June 2013.</p>
Reading of Electronic Meters through MRIs	<p>Summary of Directive issued:</p> <p>JKPDD was directed to immediately put in use the Meter Reading Instruments (MRIs) which are available with them and submit a report to the Commission by 31st May 2010 detailing the Division wise list of Electronic meters supplied, No of MRIs issued and how many meters have been read with MRIs. JKPDD should simultaneously impart training on booking reading of Electronic meters through MRIs. The condition of meters whether defective/ Non-functional/ bye passed/ burnt should be mentioned in the current or next cycle of billing.</p> <p>Petitioner's previous response:</p> <p>JKPDD reiterates that the meter reading staff is being trained for using MRIs. Efforts are being made to use MRIs for meter reading as a regular process.</p>

	<p>Petitioner's response</p> <p><i>The Chief Engineers (EMRE) have already been directed to provide requisite information in the time bound manner to the Commission. As a step forward JKPDD is deploying radio frequency meters where communication is faster, smoother and wholesome.</i></p>
	<p>Commission's views:</p> <p>It is to be noted that the Petitioner has not submitted any report in compliance of the directive issued by the Commission. The Commission again directs the Utility to submit a status report on the above directive along with the Annual Performance Review (APR) & Tariff Petition for the FY 2014-15.</p>
Balancing of Load	<p>Summary of Directive issued:</p> <p>Balancing of load on the phases of transformers should be checked whenever new connections are issued. Balancing of load on different phases of transformers shall also be checked at regular intervals for proper balancing of the load and to minimize burning of distribution transformer due to unequal loading.</p>
	<p>Petitioner's previous response:</p> <p>The engineering staff of JKPDD is well aware of this technicality pertaining to balancing of loads; and no such imbalances are being allowed while issuing of a new connection.</p>
	<p>Petitioner's response</p> <p><i>JKPDD likes to submit that the directive is being complied with.</i></p>
	<p>Commission's views:</p> <p>The Commission has noted compliance of the above directive by the Utility.</p>
	<p>Summary of Directive issued:</p> <p>JKPDD is directed to submit quarterly reports on arrears outstanding against each category of consumers. The Commission would like to know the collection, billing and accounting of arrears of previous years in the revenue realized of a particular year. A complete detail of arrears and their realization from FY 2006-07 be made available to the Commission along with the next ARR and Tariff Petition.</p>
	<p>Petitioner's previous response:</p> <p>JKPDD is working towards the directive given by the Commission.</p>
	<p>Petitioner's response</p> <p><i>JKPDD likes to submit that Chief Engineers (EMRE) have been advised to use the services of respective electricity magistrates of the area for recovery of arrears. A report on same will be submitted to the Commission shortly.</i></p>
<p>Commission's views:</p> <p>The Commission directs the Petitioner to submit the above mentioned report latest by 30th June 2013.</p>	
D. Status of compliance against directives issued in Tariff Order for FY 2011-12	
Submission of ARR/Tariff Petition	<p>Summary of Directive issued:</p> <p>The Utility is directed to henceforth, file ARR/tariff petition by 30th of November of each year positively as stipulated in the Jammu & Kashmir State Electricity Regulatory Commission (Conduct of Business) Regulations, 2005.</p>
	<p>JKPDD's previous response:</p> <p>JKPDD endeavours to comply with the deadline of 30th November.</p>
	<p>JKPDD's response:</p> <p><i>JKPDD likes to submit that the current petitions have been filed before the Commission in the stipulated time frame only.</i></p>
	<p>Commission's views:</p> <p>Even though the Petitioner had filed the Petition for approval of Annual Revenue Requirement (ARR) for the MYT Control Period (FY 2013-14 to FY 2015-16) within the stipulated timeframe, the Commission had noted that the Petition was incomplete as Petitioner has not filed the Tariff Petition</p>

	<p>for FY 2013-14. Further, due to inadvertent error by the Petitioner in including actual number of unregistered but electrified connections as per the Census 2011 report, the revised ARR and Tariff Petition for the MYT Control Period (FY 2013-14 to FY 2015-16) was filed only by 18th February 2013. In view of above, the Commission re-iterates that the Petitioner must file the ARR & Tariff petition by 30th November of ensuing year, failing which suo-moto proceedings will be initiated.</p>
Submission of Power Purchase and Procurement Plan	<p>Summary of Directive issued:</p>
	<p>The Utility was directed to file the long term Power Purchase and Procurement Plan by 31st October of each year positively, duly updating the Long-term Power Purchase and Procurement Plan for the previous year as required under Regulation 22 of the Jammu & Kashmir State Electricity Regulatory Commission (Power Purchase and Procurement Plan) Regulations, 2005.</p>
	<p>JKPDD's previous response:</p>
	<p>JKPDD shall comply with this directive henceforth.</p>
	<p>JKPDD's response:</p>
	<p><i>JKPDD likes to submit that it has already submitted the desired information in the Business Plan of distribution utility of JKPDD.</i></p>
	<p>Commission's views:</p> <p>Even though the Petitioner has submitted the Power purchase and procurement plan for the MYT Control Period (FY 2013-14 to FY 2015-16), the duly updated power purchase requirement along with the variation in power purchase cost should be submitted by 31st October every year in accordance to the said regulations and its approval by the Commission. Hence, the Commission re-iterates the above directive.</p>
Loss Reduction Trajectory	<p>Summary of Directive issued:</p>
	<p>The Utility is directed to fix a circle-wise and division-wise loss reduction trajectory for the next three years and accordingly prepare a detailed action plan for reduction of T&D losses, which may be incorporated in the Tariff Petition for FY2012-13.</p>
	<p>JKPDD's previous response:</p>
	<p>JKPDD proposes to undertake a circle-wise/ division-wise assessment of energy losses as part of the first phase of R-APDRP, and accordingly set out a loss reduction trajectory once the baseline level of losses for each circle and division is thereby ascertained.</p>
	<p>JKPDD's response:</p>
	<p><i>JKPDD likes to submit that the division-wise/ circle-wise is being done in a different perspective in the 11 kV feeder wise loss levels in that division/ circle supply powering in those areas. These losses are being monitored continuously and same has also helped in micro level monitoring. In some cases, department has gone further down to the level of individual DTR under R-APDRP or otherwise.</i></p>
	<p>Commission's views:</p> <p>The Utility is directed to expedite preparation of a detailed action plan for reduction of T&D losses and incorporate the same in the Annual Performance Review (APR) & Tariff petition for FY 2014-15.</p>
Re-categorization of Consumers	<p>Summary of Directive issued:</p>
	<p>The Utility may examine afresh the existing categories of consumers and the slabs of consumption within each category, and if re-categorization of the consumer slabs is felt necessary, the same may be reflected in future tariff petitions.</p>
	<p>JKPDD's previous response:</p>
	<p>JKPDD will look into the same once the detailed consumer profiling and consumption pattern is available from the Computerization activity being undertaken currently.</p>
	<p>JKPDD's response:</p>
	<p><i>JKPDD likes to submit that the consumption pattern and consumer profiling will be reviewed once the majority of consumers of J&K are metered.</i></p>
<p>Commission's views:</p> <p>The Commission in its previous tariff orders had directed the Utility to undertake re-classification of</p>	

	<p>consumer categories in J&K based on national/State level power data. However, the Utility failed to submit any report in this regard. The Commission, in this tariff order, has in its capacity rationalized the slabs in the domestic and non domestic category. Moreover, the monthly minimum charges for domestic and agriculture metered consumer category has been done away with and instead fixed charges have been introduced. Relief has been provided to rural industries such as Aata Chakkis, flour mills, Shawl Mills etc which come under the LT industry category but having a load of less than 10 HP. Further details have been given in the section 'Error! Reference source not found. Tariff Schedule for Y 2013-14' below. The Petitioner is directed to comply with the newly introduced tariff structure with the implementation of this Order and also ensure filing of data as per the new slabs in the Annual Performance Review (APR) & Tariff Petition for FY 2014-15.</p>
Establishment of Consumer Complaint Centres	Summary of Directive issued:
	The Utility shall set up Customer Complaint Centers/ Call Centers across its area of supply to address the Customer Complaints and Grievances as stipulated under Chapter-V of the Jammu & Kashmir State Electricity Regulatory Commission (Distribution Performance Standards) Regulations, 2006. Action taken in this regard by the Utility may be communicated to the Commission by 31st December, 2011.
	JKPDD's previous response:
	JKPDD is in the process of establishing customer care centers/ call centers across the state. The Department shall duly inform the Commission once these centers are fully operationalised.
	JKPDD's response:
	<i>JKPDD likes to submit that already a 24/7 consumer call centre has been established with a toll free no. 1800 180 7666</i>
	Commission's views:
There is no institutionalized dispute resolution mechanism presently with the Utility to address consumer grievances at the ground level, although this matter has been discussed with the Utility on many occasions. However, the Bijli Adalats recently established by the Utility may partly address the need for a procedural frame work to handle consumer complaints. But at the ground level there is an urgent need for setting up consumer complaint centers for on the spot resolution of complaints. The Commission directs the Petitioner to submit an action plan in this regard by 30 th June 2013.	
Maintaining data on reliability indices	Summary of Directive issued:
	The Utility shall maintain data and workout the reliability indices for each Circle/area of its operation on a monthly basis as stipulated under Chapter VIII of the Jammu & Kashmir State Electricity Regulatory Commission (Distribution Performance Standards) Regulations, 2006 and submit monthly computed figures for the first half of FY 2011-12 by 31 st October 2011.
	JKPDD's previous response:
	JKPDD is working towards the directive given by the Commission.
	JKPDD's response:
	<i>JKPDD likes to submit that it contemplates to outsource for independent evaluation of reliability indices before submission of same to the Commission.</i>
	Commission's views:
The Commission directs the Utility to submit the asked information for first half of FY 2013-14 by 31 st October 2013.	
To introduce Prepaid meters	Summary of Directive issued:
	The Commission directs the Utility to introduce pre-paid meters in respect of connections with loads below 5 kW in some identified areas on a pilot basis.
	JKPDD's previous response:
	JKPDD proposes to detail out a plan for installation of pre-paid meters on pilot basis, and the infrastructure that's require to put in place such meters.
	JKPDD's response:
	<i>JKPDD likes to submit that it is considering to implement pre-paid metering in State/Central</i>

	<p><i>Government Departments category in initially. Same has also been considered in the Financial Restructuring Programme.</i></p> <p>Commission's views: The Commission directs the Petitioner to submit the work plan by 30th June 2013.</p>
Meter Reading	<p>Summary of Directive issued: The Commission directs the Utility to take meter reading in accordance with Regulations 5.16 to 5.25 of the Jammu & Kashmir State Electricity Supply Code, 2011.</p> <p>JKPDD's previous response: JKPDD shall comply with the same.</p> <p>JKPDD's response: <i>JKPDD likes to submit that it is already putting its best efforts to ensure compliance of directive.</i></p> <p>Commission's views: The Commission directs JKPDD-D to look into its billing process as there has been a complaint from consumers regarding non compliance of the same on the part of JKPDD-D and submit a report to Commission by 30th June 2013.</p>
Study for determining the actual cost of supply for each consumer category	<p>Summary of Directive issued: The Utility is directed to undertake a study for determining the actual cost of supply for each consumer category at different voltage levels and submit a report on the outcome of the study by 30th June, 2012.</p> <p>JKPDD's previous response: JKPDD submits that it will make all out efforts to undertake study in the stipulated time frame, and may rope-in an independent technical consultant to assist it in undertaking this study.</p> <p>JKPDD's response: <i>JKPDD likes to submit that GoJK is being approached for authorizing expenditure on carrying out the study as directed by the Commission.</i></p> <p>Commission's views: JKPDD is directed to conduct a study on the same at the earliest possible and submit the report by 30th September 2013.</p>
Status report on upkeep and maintenance of transmission lines and Grid Stations	<p>Summary of Directive issued: The Utility is directed to submit to the Commission a status report on proper up-keep and maintenance of transmission lines and Grid stations. The Utility is also directed to maintain adequate spares and transformer capacities to prevent prolonged outage of the transmission system.</p> <p>JKPDD's previous response: Though JKPDD is short of resources, maintenance of adequate spares & capacities is being considered on top priority.</p> <p>JKPDD's response: <i>JKPDD likes to submit that the transmission segment has come up with a maintenance schedule which is required to be put to practice.</i></p> <p>Commission's views: JKPDD is directed to conduct a study on the same at the earliest and submit the report by 30th September 2013</p>
To carry out proper system studies	<p>Summary of Directive issued: The Utility shall carry out proper power system studies on a regular basis and to estimate future short term and long term demands of energy/power and prepare an investment plan to meet the demands.</p> <p>JKPDD's previous response: If system study means Load Flow studies, the same is being done regularly. It may also be mentioned that future long term and short term demand is done by CEA in its power surveys.</p> <p>However, JKPDD will also make arrangements to undertake this study on regional basis once the</p>

	<p>detailed monthly consumption pattern is available after 100 % computerization is over.</p> <p>JKPDD's response:</p> <p><i>JKPDD likes to submit that the transmission wing is exploring market (tenderization) to appoint a consultant for working away the bottlenecks of the present transmission system and design future expansions to cope up with growing load and improvements in quality indices.</i></p> <p>Commission's views:</p> <p>JKPDD is directed to submit the action taken report by 30th June 2013.</p>
Scheme of incentives and disincentives for the staff stationed in high loss areas	<p>Summary of Directive issued:</p> <p>The Utility shall formulate a scheme of incentives and disincentives for the staff stationed in high loss areas and submit the same to the Commission for approval.</p> <p>JKPDD's previous response:</p> <p>MOP has already laid guidelines for incentivizing of Utility Staffers if the loss is brought down to 15%.</p> <p>JKPDD's response:</p> <p><i>The department is studying the implications and will submit a detailed scheme for approval.</i></p> <p>Commission's views:</p> <p>JKPDD is directed to come up with an internal scheme (apart from that specified by MoP) of incentives and disincentives for the staff stationed in high loss areas and submit the same to the Commission for approval. The action taken report needs to be submitted by 30th September 2013</p>
Steps taken to reduce transformer failure	<p>Summary of Directive issued:</p> <p>Steps taken by the Utility to reduce transformer failure may be communicated to the Commission by 30th November, 2011.</p> <p>JKPDD's previous response:</p> <p>DT failure rate is reducing where metering has been done and compliance has taken place. Extensive efforts are being made by JKPDD to discipline and educate people that they abide to the agreed contracted demand.</p> <p>JKPDD's response:</p> <p><i>JKPDD likes to submit that as already in the knowledge of commission, J&K has a greater percentage of unmetered consumers. DT failure is more in unmetered areas, utility is out and set to increase %age of metering of consumers. Sincere efforts are on to achieve this objective despite of resistance and other law order issues related to metering.</i></p> <p>Commission's views:</p> <p>The Commission acknowledges JKPDD-D's efforts on the same. However, the DT failure rate is still very high. The Commission directs JKPDD to submit a status report on the same and a work plan to reduce the same in the future by 30th September 2013.</p>
Meter Testing Labs	<p>Summary of Directive issued:</p> <p>The Commission directs the Utility to establish circle-wise meter testing labs, starting with one in Srinagar and another in Jammu, besides setting up mobile meter testing labs</p> <p>JKPDD's previous response:</p> <p>JKPDD is working towards to comply with the directive issued by the Commission.</p> <p>JKPDD's response:</p> <p><i>JKPDD has already got the loan sanctioned by REC for setting up the in house and mobile testing laboratories at Srinagar and Jammu and the tenders stand already floated for the purpose.</i></p> <p>Commission's views:</p> <p>The Commission directs JKPDD to submit a status report on the same by 30th September 2013..</p>
Rationalization of manpower	<p>Summary of Directive issued:</p> <p>It has been noticed that there is no norm for deployment of manpower for different activities/functions of the Utility. The Utility is directed to rationalize the manpower requirement for different activities/functions as per the standard practice in the neighboring States.</p>

	JKPDD's previous response: JKPDD is taking up the matter of reorganization of the Department with the State Government; accordingly, any such rationalization of manpower as indicated by the Commission shall be undertaken as part of such reorganization. JKPDD's response: <i>JKPDD likes to submit that the detailed staffing and manpower requirement has already been chalked out for the transmission and distribution business of JKPDD and will be implemented in due course of time. The appointed consultant is already on the job.</i> Commission's views: The Commission accepts JKPDD-D submission on the same and directs the Petitioner to submit the above-mentioned report on completion of the study.
Status report on electric accidents	Summary of Directive issued: The Utility is directed to submit quarterly status report on electric accidents that may have happened during the preceding quarter. The report should also contain details of the cases brought forward from previous periods. JKPDD's previous response: JKPDD shall endeavour to comply with the directive issued by the Commission. JKPDD's response: <i>The inspection agency has been advised to comply the directive.</i> Commission's views: The Commission again directs JKPDD-D to submit quarterly status report within first week of the month succeeding the quarter on electric accidents that may have happened during the preceding quarter. The report should also contain details of the cases brought forward from previous periods.
Billing of energy supplied to consumers	Summary of Directive issued: The Utility is directed to issue bills for the energy supplied to the consumers, strictly in accordance with the Regulation A-6(Billing) of Jammu & Kashmir State Electricity Supply Code. JKPDD's previous response: JKPDD plans to strictly enforce the provisions of the said code once 100% computerization of billing system is complete. JKPDD's response: <i>JKPDD likes to submit that it contemplates to modify the billing format so that historical consumptions are included and will submit the same for approval of the Commission shortly.</i> Commission's views: <ul style="list-style-type: none"> • The Commission directs JKPDD-D to look into its billing process as there have been complaints from consumers regarding non-compliance of the same on the part of JKPDD. • Sample bill should be submitted for Commission's approval by 30th June 2013
Power curtailment plan	Summary of Directive issued: Commission directed the Utility to give wide publicity to power curtailment schedule, if any, and formally communicate the same to the Commission on each occasion. Unscheduled power curtailments and reasons thereof shall be properly recorded and communicated to JSERC on a monthly basis and also along with the Tariff petition each year in a consolidated form. JKPDD's previous response: Any scheduled curtailment undertaken by JKPDD is given wide publicity in the local dailies of J&K. Unscheduled outages on account of grid contingencies are being recorded by the Department. JKPDD's response: <i>JKPDD likes to submit that the directive is being institutionalized and requisite information will be submitted to the commission henceforth.</i> Commission's views: JKPDD is again directed to record and communicate to the Commission on a monthly basis the

	Unscheduled power curtailments within first week of the month succeeding the reporting month and reasons thereof and also along with the Tariff petition each year in a consolidated form.
Arrear collection	Summary of Directive issued:
	Year wise breakup of all previous arrears on account of collection inefficiency and revenue deliberately not paid by the consumers should be communicated to the Commission with the tariff petition each year.
	JKPDD's previous response:
	Since bills are going to be digitized and monitored centrally, JKPDD is expecting to maintain comprehensive data pertaining to arrears in respective data centers, which will help in tracking the arrears pertaining to any consumer.
	JKPDD's response:
	<i>The Chief Engineers (EMRE) have already been directed to provide requisite information in the time bound manner to the Commission.</i>
	Commission's views:
	JKPDD-D is directed to expedite the process of 100% computerization and submit action taken/status report by 30 th June 2013.
No. of consumer connection	Summary of Directive issued:
	In view of the discrepancies noticed in respect of category-wise connections, the Utility is directed to make a fresh in-depth exercise to re-verify the total number of registered and unregistered connections (category-wise) in the State and a report submitted to the Commission within two months from the date of issue of this directive.
	JKPDD's previous response:
	The no. of registered connections in various consumer categories is already reflected in the ARR petition. As regards an unregistered connection, the same is being regularized with immediate effect upon identification of the same.
	JKPDD's response:
	<i>JKPDD likes to submit that the directive is being complied with. In this context, direction a request has been made to all DCs and SPs of every district of the state for indicating therein electrified households as per 2011 census and against each figure registered domestic consumers and soliciting support of district administration in working away this difference.</i>
	Commission's views:
	The Commission shall analyse the submission made by JKPDD and give further directives, if any, separately.
E. Status of compliance against directives issued in Tariff Order for FY 2012-13	
Filing of Transmission ARR	Summary of Directive issued:
	The Utility is directed to file separate ARR petitions for transmission and distribution for FY2013-14.
	JKPDD's response:
	<i>Separate ARR and Tariff petitions have already been filed with the Commission. The directive has been complied.</i>
	Commission's views:
The Petitioner has filed separate ARR petitions for distribution and transmission business for the MYT period from FY 2013-14 to FY 2015-16. Accordingly this directive has been complied with.	
Meter testing arrangements	Summary of Directive issued:
	The Commission directs the JKPDD to put in place an accredited independent third party meter testing arrangement in all districts and also prepare norms for allowing consumers to purchase their own meters of approved specification of competent authority duly tested and certified by such accredited third party testing agencies. In-Situ meter testing facilities may be included in the same at Divisional & Sub-Divisional levels in J&K.

	<p>JKPDD's response: <i>JKPDD likes to submit that NABL accredited third party meter testing mechanism has already been established by empanelling NABL accredited laboratories through a Request for Empanelment (ROE) notice. Two NABL accredited laboratories that have shown interest have been asked to mobilize their resources. Thus the directive is being complied.</i></p> <p>Commission's views: The Commission is of the view that the measures taken by the Petitioner are insufficient and directs the Utility to expedite the process of establishing meter testing laboratories and submit quarterly compliance report in this regard within first week of the month succeeding the quarter..</p>
<p>Theft and pilferage of electricity</p>	<p>Summary of Directive issued: JKPDD is directed to constitute a task force in each circle to carry out massive raids on a regular basis to check pilferage of electricity. The officers in charge of the concerned Circles shall have to be made answerable in case of detection of theft/pilferage of electricity in their areas of operation, besides booking those consumers committing theft/pilferage and penal action taken against them.</p> <p>JKPDD's response: <i>Multi-tier inspection squads have been constituted to check the misuse of power. 43731 inspections have been conducted ending Nov. 2012 and Rs. 822 lacs of fine imposed. A special enforcement wing headed by secretary technical has been established for conducting inspections and check theft and pilferage of electricity, the teams have given encouraging results since their constitution. The directive stands complied.</i></p> <p>Commission's views: It is to be noted that the progress of the Petitioner regarding theft detection and penalizing the defaulters has been very slow and it has also not made available the progress report in the public domain. Thus Commission directs the Petitioner to submit the quarterly reports within first week of the month succeeding the quarter on 'Theft Detection and Penalty Imposed/Realized' and make available these reports in the public domain so that the efforts of the Utility in curbing theft can be recognized by the masses. It is to be noted that these reports should also include additional information such as FIR lodged etc.</p>
<p>Low load factor</p>	<p>Summary of Directive issued: Petitioner is directed to undertake testing of all those consumers in non-domestic and LT Industries categories whose monthly load factor is less than 1% Compliance report along with results of such testing be submitted to the Commission along with the Tariff Petition for the FY2013-14. Load factor Data base in J&K should also be established.</p> <p>JKPDD's response: <i>JKPDD likes to submit that the Industrial connections with conspicuously low consumption as against the sanctioned load are being targeted objectively by the Inspection Teams. Institutional Testing arrangements are being developed. In the meantime, use of the ring type LT CTs have been banned, which shall also contribute to precision metering and non-remunerative loads.</i></p> <p>Commission's Views: It is to be noted that the Petitioner has neither submitted any report regarding testing of all those consumers in non-domestic and LT Industries categories whose monthly load factor is less than 1% and nor it has established the load factor data base. The Commission again directs the Utility to submit quarterly compliance report containing the details of the inspection and testing of consumers in non-domestic and LT Industries categories with monthly load factor less than 1%. The Utility is also directed to undertake the exercise of establishing the Load Factor Data base of the state and submit the report by 30th September 2013.</p>
<p>Multi Year Tariff</p>	<p>Summary of Directive issued: The petitioner is directed to start maintaining its database for reliable and concrete historical data as well as future data so that the same can be utilized by the Commission while determining Multi Year</p>

	Tariffs in future.
	JKPDD's response:
	<i>JKPDD likes to submit that sincere attempts are being made to ensure compliance of the directive. It may be noted that the precision of baseline data in the distribution sector is an issue all across the country, and that's the reason in the R-APDRP programme, more than Rs. 12,000 Crores are being spent in Part-A of this programme for IT interventions and establishment of baseline data (by a third party Implementing Agency being appointed by PFC). It is also submitted that MYT petition has already been filed before the Commission.</i>
	Commission's Views:
	The Commission has processed the current ARR and Tariff petition within the constraints of the limited data submitted by the JKPDD-D. But it is to be noted that for the purpose of future true-up and annual performance review, the Utility is directed to maintain its database for reliable and audited data so that the same can be utilized by the Commission to arrive at more reliable and concrete figures.
Energy conservation awareness programme	Summary of Directive issued:
	Utility is directed to launch massive awareness programme through print and electronic media on energy conservation highlighting the energy conservation schemes being implemented in the State. Energy audit of one large State consumer, one industrial consumer and one commercial consumer be undertaken under this programme.
	JKPDD's response:
	<i>JKPDD likes to submit that Bureau of Energy Efficiency is exploring various options including the Bachat Lamp Yojana.</i>
	Commission's Views:
	The Commission directs the Utility to submit quarterly compliance report within first week of the month succeeding the quarter under the 'Bureau of Energy Efficiency' sponsored schemes.
Rationalization of consumer categories and data base	Summary of Directive issued:
	Utility is directed to undertake re-classification of consumer categories in J&K based on national/State level power data in consultation with CEA.
	JKPDD's response:
	<i>JKPDD likes to submit that study is being done in the aspect and report will be submitted to the Commission shortly.</i>
	Commission's Views:
	The Commission in its previous tariff orders had directed the Utility to undertake re-classification of consumer categories in J&K based on national/State level power data. However, the Utility failed to submit any report in this regard. The Commission, in this tariff order, has in its capacity rationalized the slabs in the domestic and non domestic category. Moreover, the monthly minimum charges for domestic and agriculture metered consumer category has been done away with and instead fixed charges have been introduced. Relief has been provided to rural industries such as Aata Chakkis, flour mills, Shawl Mills etc which come under the LT industry category but having a load of less than 10 HP. The Petitioner is directed to comply with the newly introduced tariff structure with the implementation of this Order and also ensure filing of data as per the new slabs in the Annual Performance Review (APR) & Tariff Petition for FY 2014-15.