

Order

on

**Annual Performance Review for
FY 2017-18 and Revised ARR for FY
2018-19**

For

**State Load Despatch Centre of
Uttarakhand**

March 21, 2018

Uttarakhand Electricity Regulatory Commission

Vidyut Niyamak Bhawan, Near I.S.B.T., P.O. Majra

Dehradun - 248171

Table of Contents

1	Background and Procedural History	4
2	Stakeholders' Objections/Suggestions, Petitioner's Responses and Commission's Views	8
2.1	Increase in Tariff	8
2.1.1	Stakeholder's Comments.....	8
2.1.2	Petitioner's Response.....	8
2.1.3	Commission's Views.....	8
2.2	Increase in Expenses	8
2.2.1	Stakeholder's Comments.....	8
2.2.2	Petitioner's Response.....	9
2.2.3	Commission's Views.....	9
2.3	Provision of NoC for Open Access	9
2.3.1	Stakeholder's Comments.....	9
2.3.2	Petitioner's Response.....	9
2.3.3	Commission's Views.....	10
3	Petitioner's Submissions, Commission's Analysis, Scrutiny & Conclusion on True up for FY 2016-17, Annual Performance Review for FY 2017-18 and determination of ARR for FY 2018-19	11
3.1	Annual Performance Review	11
3.2	Gross Fixed Assets	13
3.3	Debt-equity ratio	17
3.4	Annual SLDC Charges	18
3.4.1	Operation and Maintenance (O&M) expenses	19
3.4.1.1	Employee expenses	20
3.4.1.2	Repairs and Maintenance (R&M) expenses.....	23
3.4.1.3	Administrative and General (A&G) expenses	25
3.4.1.4	O&M expenses	26
3.4.2	Return on Equity	26
3.4.3	Depreciation	27
3.4.4	Interest charges	28
3.4.5	Interest on Working Capital.....	29
3.4.5.1	One Month O&M Expenses	29
3.4.5.2	Maintenance Spares	29
3.4.5.3	Receivables	30
3.4.6	SLDC Charges.....	30
3.4.7	LDC Development Fund	30
3.4.8	Operating Charges	32
4	Commission's Directives	34
4.1	Compliance of Directives issued in APR Order for FY 2016-17 dated March 29, 2017	34
4.1.1	Project Cost & Transfer of assets from PTCUL to SLDC.....	34
4.1.2	LDC Development Fund	35
4.1.3	Grant of NoC to Open Access Customers.....	35
4.1.4	Timely completion of Schemes	36
4.1.5	Employee expenses	36

4.1.6	AMC Contracts	37
5	Annexures.....	38
5.1	Annexure-1 : Public Notice on SLDC’s Proposal	38
5.2	Annexure-2 : List of Respondents	39
5.3	Annexure-3 : List of Participants in Public Hearings	40

List of Tables

Table 1.1: Publication of Notice	6
Table 1.2: Schedule of Hearing.....	7
Table 3.1: Details of OPGW works as submitted by SLDC	14
Table 3.2: List of RTU installation as submitted by SLDC	15
Table 3.3: GFA addition and GFA deduction in FY 2016-17 (Rs. Crore).....	16
Table 3.4: Gross Fixed Assets (Rs. Crore)	17
Table 3.5: Means of Finance (Rs. Crore).....	18
Table 3.6: Employee expenses as submitted by the Petitioner	21
Table 3.7: Employee Recruitment Plan submitted by the Petitioner	21
Table 3.8: Employee expenses for FY 2018-19 (Rs. Crore).....	23
Table 3.9: Actual R&M expenses as submitted by the Petitioner (Rs. Crore)	23
Table 3.10: Details of AMC as submitted by the Petitioner	24
Table 3.11: R&M expenses for FY 2018-19 (Rs. Crore).....	25
Table 3.12: Actual A&G expenses as submitted by the Petitioner (Rs. Crore)	26
Table 3.13: A&G expenses for FY 2018-19 (Rs. Crore)	26
Table 3.14: O&M expenses for FY 2018-19 (Rs. Crore).....	26
Table 3.15: Return on Equity for FY 2018-19 (Rs. Crore).....	27
Table 3.16: Depreciation for FY 2018-19 (Rs. Crore).....	28
Table 3.17: Interest charges for FY 2018-19 (Rs. Crore).....	29
Table 3.18: Interest on Working Capital for FY 2018-19 (Rs. Crore)	30
Table 3.19: SLDC Charges for FY 2018-19 (Rs. Crore)	30
Table 3.20: Details of LDCD Fund submitted by SLDC (Rs. Crore)	31
Table 3.21: Details of LDCD Utilization Plan submitted by SLDC (Rs. Crore)	32

Before

UTTARAKHAND ELECTRICITY REGULATORY COMMISSION

Petition No.: 50 of 2017

In the Matter of:

Petition filed by State Load Despatch Centre, Uttarakhand for Annual Performance Review for FY 2017-18 and Revised Aggregate Revenue Requirement for FY 2018-19.

AND

In the Matter of:

State Load Despatch Centre
132 kV Sub-Station, H/Q Bldg., Majra
Dehradun, Uttarakhand

....Petitioner

Coram

Shri Subhash Kumar Chairman

Date of Order: March 21, 2018

Section 32(3) of the Electricity Act, 2003 (hereinafter referred to as “the Act”) allows the State Load Despatch Centre to levy and collect such fee and charges from generating companies and licensees involved in intra-State transmission as may be specified by the Appropriate Commission. To this end, it is required to file an application for determination of these charges in such manner and along with such fee as may be specified by the Appropriate Commission through Regulations.

In accordance with the relevant provisions of the Act, the Commission had notified Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff) Regulations, 2011 (hereinafter referred to as “UERC Tariff Regulations, 2011”) for the first Control Period from FY 2013-14 to FY 2015-16 specifying therein terms, conditions and norms of operation for licensees, generating companies and SLDC. The Commission had issued the Order dated April 10, 2014 on Aggregate Revenue Requirement for SLDC for FY 2013-14 to FY 2015-16. In accordance

with the provisions of the UERC Tariff Regulations, 2011, the Commission had issued the Order dated April 11, 2015 on Aggregate Revenue Requirement for SLDC for FY 2015-16.

Further, in accordance with relevant provisions of the Act, the Commission had notified Uttarakhand Electricity Regulatory Commission (Terms and Conditions for Determination of Multi Year Tariff) Regulations, 2015 (hereinafter referred to as "UERC Tariff Regulations, 2015") for the second Control Period from FY 2016-17 to FY 2018-19 specifying therein terms, conditions and norms of operation for licensees, generating companies and SLDC. The Commission had issued the Order dated April 5, 2016 on Aggregate Revenue Requirement for SLDC for FY 2016-17 to FY 2018-19. Further, the Commission had issued the Order dated March 29, 2017 on Annual Performance Review for SLDC for FY 2016-17 and Aggregate Revenue Requirement for FY 2017-18. As per the provisions of Regulation 12 of the UERC Tariff Regulations, 2015, SLDC filed a Petition (Petition No. 50 of 2017 and hereinafter referred to as the "Petition"), giving details of its revised projections of Aggregate Revenue Requirement (ARR) for FY 2018-19, based on the Annual Performance Review for FY 2017-18 on November 29, 2017. Subsequently, SLDC filed the revised Petition on December 20, 2017.

The Petition filed by SLDC had certain infirmities/deficiencies which were informed to SLDC vide Commission's letter no. UERC/6/TF-431/17-18/2017/1424 dated December 7, 2017 and SLDC was directed to rectify the said infirmities in the Petition and submit certain additional information necessary for admission of the Petition. SLDC vide its letter no. 2428/Dir. (Projects)/PTCUL/ARR dated December 15, 2017 removed the critical deficiencies. Based on the submissions made by the SLDC, the Commission vide its Order dated December 21, 2017 provisionally admitted the Petition for further processing subject to the condition that SLDC shall furnish any further information/clarifications as deemed necessary by the Commission during the processing of the Petition and provide such information and clarifications to the satisfaction of the Commission within the time frame, as may be stipulated by the Commission, failing which the Commission may proceed to dispose of the matter as it deems fit based on the information available with it.

This Order, accordingly, relates to the Petition filed by SLDC for approval of revised Aggregate Revenue Requirement for FY 2018-19, and is based on the original as well as subsequent submissions made by SLDC during the course of the proceedings.

Tariff determination being the most vital function of the Commission, it has been the practice of the Commission to elaborate in detail the procedure and to explain the underlying principles in determination of tariffs. Accordingly, in the present Order also, in line with the past practices, the Commission has tried to elaborate the procedure and principles followed by it in determining the ARR of SLDC. The ARR of SLDC is recoverable from the beneficiaries. For the sake of convenience and clarity, this Order has further been divided into following Chapters:

- Chapter 1 - Background and Procedural History.
- Chapter 2 - Stakeholders' Objections/Suggestions, Petitioner's Responses and Commission's Views.
- Chapter 3 - Petitioner's Submissions, Commission's Analysis, Scrutiny & Conclusion on True up for FY 2016-17, Annual Performance Review for FY 2017-18 and determination of ARR for FY 2018-19.
- Chapter 4 - Commission's Directives.
- Chapter 5 - Annexures.

1 Background and Procedural History

In accordance with the provisions of the Uttar Pradesh Reorganization Act, 2000 (Act 29 of 2000), enacted by the Parliament of India on August 25, 2000, the State of Uttaranchal came into existence on November 9, 2000. Section 63(4) of the above Reorganization Act allowed the Government of Uttaranchal (hereinafter referred to as “GoU” or “State Government”) to constitute a State Power Corporation at any time after the creation of the State. GoU, accordingly, established the Uttaranchal Power Corporation Limited (UPCL) under the Companies Act, 1956, on February 12, 2001 and entrusted it with the business of transmission and distribution in the State. Subsequently, from April 1, 2001, all works pertaining to the transmission, distribution and retail supply of electricity in the area of Uttaranchal were transferred from UPPCL to UPCL, in accordance with the Memorandum of Understanding dated March 13, 2001, signed between the Governments of Uttaranchal and Uttar Pradesh.

Meanwhile, the Electricity Act, 2003 (the Act) was enacted by the Parliament of India on June 10, 2003, which mandated separate licenses for transmission and distribution activities. In exercise of powers conferred under sub-section 4 of Section 131 of the Act, the GoU, therefore, through transfer scheme dated May 31, 2004, first vested all the interests, rights and liabilities related to Power Transmission and Load Despatch of “Uttaranchal Power Corporation Limited” into itself and, thereafter, re-vested them into a new company, i.e. “Power Transmission Corporation of Uttaranchal Limited”, now renamed as “Power Transmission Corporation of Uttarakhand Limited” (hereinafter referred to as “PTCUL”) after change of name of the State. The State Government, further vide another notification dated May 31, 2004 declared Power Transmission Corporation of Uttarakhand Limited as the State Transmission Utility (STU) responsible for undertaking, amongst others, the following main functions:

- a) To undertake transmission of electricity through intra-State transmission system.
- b) To discharge all functions of planning and co-ordination relating to intra-State transmission system.
- c) To ensure development of an efficient, co-ordinated and economical system of intra-State transmission lines.
- d) To provide open access.

A new company in the State was, thus, created to look after the functions of intra-State Transmission and Load Despatch, on May 31, 2004. In view of re-structuring of functions of UPCL and creation of a separate company for looking after the transmission related works, the Commission amended the earlier 'Transmission and Bulk Supply License' granted to 'Uttarakhand Power Corporation Limited' and Transmission license was given to PTCUL for carrying out transmission related works in the State vide Commission's Order dated June 9, 2004.

The State Load Despatch Centre of Uttarakhand has been made operational w.e.f. November 27, 2012. As per Section 32 of the Act, the State Load Despatch Centre is the apex body to ensure integrated operation of the power system in the State. The functions of State Load Despatch Centre as stipulated in the Act are as follows:

- a) be responsible for optimum scheduling and despatch of electricity within the State, in accordance with the contracts entered into within the Licensees or the Generating Companies operating in the State;
- b) monitor grid operations;
- c) keep accounts of the quantity of electricity transmitted through the State grid;
- d) exercise supervision and control over the intra-State transmission system; and
- e) be responsible for carrying out real time operations for grid control and despatch of electricity within the State through secure and economic operation of the State grid in accordance with the Grid Standards and the State Grid Code.

In exercise of powers conferred to it under Section 61 of the Act, and all other powers enabling it in this behalf, the Commission notified the UERC Tariff Regulations, 2015 on September 10, 2015. These Regulations superseded the UERC Tariff Regulations, 2011.

The Commission vide its Order dated April 5, 2016 approved the Business Plan and Multi Year Tariff for SLDC for the second Control Period from FY 2016-17 to FY 2018-19. Further, the Commission had issued the Order dated March 29, 2017 on Annual Performance Review for SLDC for FY 2016-17 and Aggregate Revenue Requirement for FY 2017-18. In accordance with Regulation 12 of the UERC Tariff Regulations, 2015, the SLDC is required to file a Petition for Annual Performance Review by November 30th of every year.

In compliance with the Regulations, SLDC filed a Petition for Annual Performance Review

for FY 2017-18 and Revised Aggregate Revenue Requirement for FY 2018-19 on November 29, 2017 and the revised Petition on December 20, 2017. Through the above Petition, SLDC sought review of ARR for FY 2017-18 and FY 2018-19. The above Petition was provisionally admitted by the Commission vide its Order dated December 21, 2017. The Commission, through its above Admittance Order dated December 21, 2017, to provide transparency to the process of tariff determination and give all stakeholders an opportunity to submit their objections/suggestions/comments on the proposals of the SLDC, also directed SLDC to publish the salient points of its proposals in the leading newspapers. The salient points of the proposal were published by the Petitioner in the following newspapers:

Table 1.1: Publication of Notice

S. No.	Newspaper Name	Date of Publication
1	Times of India	December 23, 2017
2	Hindustan Times	December 23, 2017
3	Amar Ujala	December 23, 2017
4	Dainik Jagran	December 23, 2017

Through above notice, stakeholders were requested to submit their objections/suggestions/comments latest by January 31, 2018 (copy of the notice is enclosed as **Annexure 1**). The Commission received in all three objections/suggestions/comments in writing on the Petition filed by SLDC. The list of stakeholders who have submitted their objections/suggestions/comments in writing is enclosed as **Annexure-2**.

The Commission also sent the copies of the salient features of the tariff proposals to the Members of the State Advisory Committee and the State Government. The salient features of the tariff proposals submitted by SLDC were also made available on the website of the Commission, i.e. www.uerc.gov.in. The Commission also organized a meeting with the Members of the Advisory Committee on March 5, 2018, wherein, detailed deliberations were held with the Members of the Advisory Committee on the various issues linked with the Petition filed by SLDC.

Further, for direct interaction with all the stakeholders and public at large, the Commission also held public hearings on the proposals filed by the Petitioner at the following places in the State of Uttarakhand.

Table 1.2: Schedule of Hearing

S. No	Place	Date
1	Bageshwar	February 20, 2018
2	Rudrapur	February 21, 2018
3	Rudraprayag	February 27, 2018
4	Dehradun	February 28, 2018

The list of participants who attended the Public Hearing is enclosed at **Annexure-3**.

The objections/suggestions/comments, as received from the stakeholders through mail/post as well as during the course of public hearing were sent to the Petitioner for its response. All the issues raised by the stakeholders and Petitioner's response thereon are detailed in Chapter 2 of this Order. In this context, it is also to underline that while finalizing this Order, the Commission has, as far as possible, tried to address the issues raised by the stakeholders. During the scrutiny of the Petition submitted by SLDC, the Commission pointed out certain data gaps in the Petition and sought following additional information/clarification from the Petitioner:

- Details of Annual Maintenance Contracts for SLDC.
- Plan and status of recruitment of employees for FY 2017-18 and FY 2018-19.
- Schemes proposed for Additional Capitalisation for FY 2017-18 and FY 2018-19 by SLDC.

So as to have better clarity on the data filed by the Petitioner and to remove inconsistency in the data, a Technical Validation Session (TVS) was also held with the Petitioner's officers on January 4, 2018, for further deliberations on certain issues related to the Petition filed by SLDC. The Petitioner submitted the replies to data gaps vide its letter no. 123/Dir. (Projects)/PTCUL/ARR dated January 15, 2018.

The submissions made by SLDC in the Petition as well as additional submissions have been discussed by the Commission at appropriate places in this Tariff Order along with the Commission's views on the same.

2 Stakeholders' Objections/Suggestions, Petitioner's Responses and Commission's Views

The Commission has received three suggestions/objections on SLDC's Petition for Annual Performance Review for FY 2017- 18 and Revised Aggregate Revenue Requirement for FY 2018-19. The list of stakeholders who have submitted objections/suggestions/comments in writing is given at **Annexure-2** and the list of Respondents who have participated in the Public Hearings is enclosed at **Annexure-3**. The Commission has further obtained replies from SLDC on the objections/suggestions/comments received from the stakeholders. For the sake of clarity, the objections raised by the stakeholders and responses of the Petitioner have been consolidated and summarised issue wise. In the subsequent Chapters of this Order, the Commission has kept in view the objections/suggestions/comments of the stakeholders and the replies of the Petitioner while deciding the ARR for SLDC.

2.1 Increase in Tariff

2.1.1 Stakeholder's Comments

Shri Munish Talwar of M/s Asahi Glass India Ltd. requested the Commission not to increase the tariff at this juncture as any tariff increase would put the industry into further hardship.

2.1.2 Petitioner's Response

The Petitioner submitted that all the expenses (actual as well as projected) have been determined as per the UERC (Terms and Conditions of Multi-year Tariff) Regulations, 2015.

2.1.3 Commission's Views

The Commission would like to clarify that each element of the ARR of SLDC has been analyzed in accordance with UERC Tariff Regulations, 2015 and only legitimate costs are being allowed to be recovered from the consumers.

2.2 Increase in Expenses

2.2.1 Stakeholder's Comments

Dr. V. K. Garg of South Asia Forum for Energy Efficiency submitted that the proposed

increase of expenditure for FY 2018-19 considering the Capitalization, Capital Expenditure, Depreciation, RoE and Interest Rates on Debt is not justified.

2.2.2 *Petitioner's Response*

The Petitioner submitted that ARR claimed for FY 2017-18 and FY 2018-19 are Rs. 14.96 Crore and Rs. 26.68 Crore respectively. The Petitioner also submitted that all the expenses (actual as well as projected) have been determined as per the UERC Tariff Regulations, 2015.

2.2.3 *Commission's Views*

The Commission would like to clarify that each element of ARR of SLDC has been analyzed in accordance with UERC Tariff Regulations, 2015 and only legitimate costs are being allowed to be recovered from the consumers. The Commission has carried out the detailed scrutiny of APR for FY 2017-18 and the revised ARR for FY 2018-19 in accordance with the provisions of relevant Regulations as discussed in the subsequent Chapters of this Order.

2.3 **Provision of NoC for Open Access**

2.3.1 *Stakeholder's Comments*

Shri Shakeel A Siddiqui of Kashi Vishwanath Textile Mill Pvt. Ltd. submitted that the NoC for Open Access should be provided by SLDC by 15th of every month.

2.3.2 *Petitioner's Response*

The Petitioner submitted that the issuance of NoC/Standing Clearance to open access consumers is dealt in accordance with the Sub - Regulation 8(3) of Central Electricity Regulatory Commission (Open Access in inter - State Transmission) Regulations, 2008 (amended May 20, 2009).

Further, the Petitioner submitted that the Commission in its Tariff Order dated March 29, 2017 had directed as under:

"The Commission directs SLDC/PTCUL to implement on-line system of grant of NoC to open access customers in line with the system developed and operationalised by Telangana SLDC within one (1) month of issuance of this Order. Compliance report to the Commission be submitted within 15 days thereafter by the SLDC."

In compliance to the above directive of the Commission, the Petitioner submitted that it

visited Telangana SLDC in order to study the said system. Consequently, it has developed a plan to implement a similar system in Uttarakhand. The Petitioner further submitted that after finalizing the technical specifications, scope of work, costing etc. the work has been awarded through competitive tender.

2.3.3 *Commission's Views*

Inter-State and Intra-State Open Access transactions are governed by CERC (Open Access in inter-State Transmission) Regulations, 2008 and UERC (Terms and Conditions of Intra-State Open Access) Regulations, 2015 respectively. Hence, the application, procedure, duration, fee & charges and other terms & conditions are in accordance with the aforesaid Regulations based on the nature of open access transaction.

With regard to implementation of on-line system of grant of NoC to open access customers, the Commission directs the Petitioner to submit quarterly progress report to the Commission.

3 Petitioner's Submissions, Commission's Analysis, Scrutiny & Conclusion on True up for FY 2016-17, Annual Performance Review for FY 2017-18 and determination of ARR for FY 2018-19

3.1 Annual Performance Review

Regulation 12(1) of the UERC Tariff Regulations, 2015 specifies that under the MYT framework, the performance of the SLDC shall be subject to Annual Performance Review.

Regulation 12(3) of the UERC Tariff Regulations, 2015 specifies as under:

"The scope of the Annual Performance Review shall be a comparison of the actual performance of the Applicant with the approved forecast of Aggregate Revenue Requirement and expected revenue from tariff and charges and shall comprise the following:

- a) A comparison of the audited performance of the applicant for the previous financial year with the approved forecast for such previous financial year and truing up of expenses and revenue subject to prudence check including pass through of impact of uncontrollable factors;*
- b) Categorisation of variations in performance with reference to approved forecast into factors within the control of the applicant (controllable factors) and those caused by factors beyond the control of the applicant (un-controllable factors).*
- c) Revision of estimates for the ensuing financial year, if required, based on audited financial results for the previous financial year;*
- d) Computation of sharing of gains and losses on account of controllable factors for the previous year."*

The Commission vide its Order dated April 5, 2016 had approved the Business Plan and MYT for SLDC for the second Control Period from FY 2016-17 to FY 2018-19. The Commission vide its Order dated March 29, 2017 had approved the Annual Performance Review for FY 2016-17 and revised ARR for FY 2017-18. SLDC has filed this Petition for Annual Performance Review for FY 2017-18 and revised ARR for FY 2018-19. SLDC and SCADA work as separate independent units within PTCUL with separate accounting heads created for recording their income and expenses. SLDC has still not been incorporated as a separate company and, hence, the accounts of SLDC are audited as part of PTCUL's accounts and hence, no separate audited accounts of SLDC exists. The

actual income and expenses of SLDC for FY 2016-17 are part of income and expenses of PTCUL and are included in PTCUL's audited accounts. SLDC requested the Commission to exempt it from filing separate true up for FY 2016-17 as there are no separate audited accounts available for SLDC for FY 2016-17. SLDC submitted that the APR for FY 2017-18 and revised ARR for FY 2018-19 is being submitted in the instant Petition. SLDC further submitted that as the original ARR for FY 2016-17 approved by the Commission was part of PTCUL's ARR, it requested the Commission to treat review of FY 2016-17 submitted in the instant Petition as indicative only and approve true up of ARR for FY 2016-17 as part of true up of PTCUL's ARR for FY 2016-17.

The Commission in its Order dated April 5, 2016 on approval of the Business Plan and MYT for the second Control Period from FY 2016-17 to FY 2018-19 directed as under:

"Hence, the Commission is of the opinion that as accounting of SLDC and SCADA is being done separately, accordingly, SLDC is directed to start preparing its annual statement of accounts separately from FY 2016-17 onwards in accordance with the requirement of the Regulations as referred above."

The Commission in its Order dated March 29, 2017 on approval of APR for FY 2016-17 and Revised ARR for FY 2017-18 directed as under:

"The Commission directs SLDC that the provisions of the UERC Tariff Regulations, 2015 has to be complied strictly by SLDC regarding maintenance of its expenses related to operation of SLDC. The Commission also directs the SLDC to file the Petition seeking truing up of FY 2016-17 along with the APR of FY 2017-18 in accordance with the MYT Regulations, 2015."

In compliance to the above stated directive of the Commission, SLDC submitted that in the meeting held on January 9, 2017 chaired by the Principal Secretary (Energy), it was decided that in order to ensure independent functioning of SLDC, manpower structure prevalent in SLDCs in other States will be analysed before finalising proposed structure of Uttarakhand SLDC. The detailed proposed manpower structure of SLDC has been submitted vide letter no. 183/SLDC dated May 29, 2017 to Director (HR), PTCUL and Director (Project), PTCUL. Taking cognizance of the aforesaid letter, Director (HR), PTCUL formed a committee for finalization of the manpower structure vide letter no. 833/HR and P.V./PTCUL/G-10 dated June 9, 2017. Meanwhile PTCUL is under process of preparing a report collecting information regarding staff structure from other SLDCs of the

country. SLDC also submitted that a suitable proposal shall be submitted to the Board of PTCUL once the Committee finalizes its report. Although the accounting is already being done separately in the form of separate Monthly Trial Balances (MTBs), SLDC is yet to be formed into a separate company. The maintaining of separate annual statement of accounts including balance sheets can only be initiated after the ring fencing of SLDC is complete, and only then can the SLDC file a separate true up Petition. SLDC requested the Commission to consider the combined true up of SLDC and PTCUL for FY 2016-17.

The Commission had been repeatedly directing SLDC for completion of ring fencing of SLDC and SCADA. Even after repeated directions, it is being submitted that the process is still in progress. The Commission expresses extreme displeasure in this regard. **The Commission directs SLDC that the provisions of the UERC Tariff Regulations, 2015 has to be complied strictly by SLDC regarding maintenance of its expenses related to operation of SLDC. The Commission also directs SLDC to file the Petition seeking truing up of FY 2017-18 along with the APR of FY 2018-19 in accordance with the MYT Regulations, 2015 failing which action may be initiated against it under the provisions of the Act.**

The Commission in this Order has approved the revised ARR for FY 2018-19 based on the GFA approved for FY 2016-17 for SLDC in the true up of PTCUL for FY 2016-17, revised GFA for FY 2017-18 and FY 2018-19 of SLDC. The approach adopted by the Commission in approving the ARR for FY 2018-19 is elaborated in the subsequent Sections of this Order.

3.2 Gross Fixed Assets

The Petitioner submitted that the capital expenditure of the SLDC business is a part of a single Scheme "Construction of SLDC at Dehradun and 2 Nos. Sub-SLDCs at Kashipur and Rishikesh" with the approved capital investment of Rs. 51.92 Crore. SCADA/EMS system, RTUs, PLCC/PABX and Auxiliary Power Supply System have been procured as part of SLDC Project. SLDC was established to improve the Power System Operations resulting in effective monitoring and control of power system in Uttarakhand.

The Petitioner submitted that there are two phases in the project:

- Phase-I includes the establishment of one SLDC at Dehradun and two nos. of Control Centres at Rishikesh and Kashipur.

- Phase-II covers supply and laying of Optical Power Ground Wire (OPGW) network over the existing lines of PTCUL and installation of RTUs and associated accessories at 132 kV and above substations.

The Petitioner submitted that under Phase-I of SLDC project, construction of SLDC in Dehradun and two no. of Sub-SLDCs in Rishikesh and Kashipur work has already been completed. During the Control Period from FY 2016-17 to FY 2018-19, Phase II of the SLDC project will be under implementation. Phase-II of SLDC project covers two different work plans:

- Supplying and laying of OPGW over existing lines of PTCUL and installation of Fiber Optical Terminal Equipment (FOTE).
- Supplying, installation, testing and commissioning of RTUs and associated accessories; PLCC system, Out-door equipment, viz. CVT/LMU/HF Cable/Line Trap; 48 V DC power supply system and civil works at sites.

Works for OPGW network covers laying of approximately 578 km of optical fiber on the PTCUL transmission network which has already been awarded and is expected to get complete by April, 2018. Details of the supply and laying of OPGW work is as shown in the Table given below:

Table 3.1: Details of OPGW works as submitted by SLDC

S. No.	Transmission Line	Length (km)
1	132 kV Rishikesh -Majra Line	41.14
2	220 kV Rishikesh - Chamba Line	40.50
3	132 kV Rishikesh- Srinagar Line	78.00
4	400 kV Rishikesh- Kashipur Line	178.00
5	220 kV Kashipur - Berhani Line	53.60
6	220 kV Berhani - Pantnagar Line	35.63
7	220 kV Pantnagar-Kamalwaganja Line	37.32
8	132 kV Kamalwaganja- Haldwani Line	8.40
9	132 kV Haldwani- Bhowali Line	14.06
10	132 kV Bhowali- Almora Line	31.04
11	132 kV Pantnagar- Rudrapur Line	7.60
12	132 kV Rudrapur- Kichha Line	20.31
13	132 kV Kichha- Sitarganj Line	32.15
	Total	577.75

The work plan of design, engineering, manufacturing, supply, installation, testing and commissioning of RTUs and associated accessories, covers 23 nos. of RTUs. Procurement of RTUs is being taken up as per the technical specification finalized by the Power Grid Corporation of India Limited. The work is under pre-tendering phase and will be taken up in the Control Period once the

proper budget estimation for material is done.

Table 3.2: List of RTU installation as submitted by SLDC

Sub-LDC Rishikesh	Sub-LDC Kashipur
Name of Sub-station	Name of Sub-station
400 kV S/s Rishikesh (replacement of old RTU)	220 kV S/s Kamalwanganja
220 kV S/s Rishikesh (replacement of old RTU)	132 kV S/s Jaspur
132 kV S/s Jwalapur	132 kV S/s Rudrapur
132 kV S/s Bhupatwala	132 kV S/s ELDECO Sitarganj
132 kV S/s Kotdwar	132 kV S/s Kathgodam
132 kV S/s Bindal	132 kV S/s Almora
132 kV S/s Purkul	132 kV S/s Ramnagar (Nainital)
132 kV S/s IDPL Rishikesh	132 kV S/s Ranikhet
132 kV S/s Srinagar	132 kV S/s Bhowali
132 kV S/s Satpuli	
132 kV S/s Simli	Name of HEPs
132 kV S/s Majra	Ramganga HEP

The Petitioner submitted that the scope of works and capital investment related to the SLDC project scheme was approved by the Commission vide its Order dated October 23, 2007. The Commission had approved the total Cost of Rs. 51.92 Crore for accomplishment of two phases under SLDC Scheme. The total expense for Phase-I is Rs. 12.33 Crore against the approved expense of Rs. 16.11 Crore. Capital expenditure under Phase-II is allocated in two heads, OPGW works and RTU installation works. Under Phase-II, the capital expenditure allocated to OPGW works is Rs. 31.20 Crore. Work for same has been awarded and is expected to get completed by April, 2018. The capital investment under Phase II is done to have a robust backbone for data acquisition including real time, reliable and accurate data for energy accounting.

The Petitioner has considered the opening GFA for FY 2016-17 as Rs. 12.97 Crore, the same as approved by the Commission in the APR Order for FY 2016-17 dated March 29, 2017. The Petitioner claimed GFA addition of Rs. 0.42 Crore, Rs. 32.27 Crore and Rs. 22.66 Crore in FY 2016-17, FY 2017-18 and FY 2018-19 respectively. The Petitioner further claimed asset deduction of Rs. 0.14 Crore in FY 2016-17.

The Commission has gone through the submissions of the Petitioner. The Commission had accorded in principle approval for the project "Construction of SLDC at Dehradun and 2 Nos. Sub-SLDCs at Kashipur and Rishikesh" with a total project cost of Rs. 51.92 Crore vide its Order dated October 23, 2007 on approval of Capital Investment for REC-II Scheme. The Petitioner has claimed the total GFA of Rs. 68.17 Crore upto FY 2018-19. The Petitioner submitted that the GFA addition of

Rs. 22.66 Crore claimed in FY 2018-19 is on account of the new project “Reliable communication and data acquisition system 132 kV and above substation in Uttarakhand” for which the total project cost is Rs. 47.17 Crore and the DPR for the same has been submitted for Commission’s approval vide letter dated December 29, 2017. The Commission vide Order dated March 08, 2018 has approved the said DPR for Rs. 37.46 Crore.

The Commission vide its Tariff Order for FY 2017-18 dated March 29, 2017 had approved the opening GFA for FY 2016-17 as Rs. 12.97 Crore. The Petitioner has proposed the same as the opening GFA for FY 2016-17. Accordingly, the Commission has considered the opening GFA for FY 2016-17 as Rs. 12.97 Crore. The Petitioner has claimed the GFA addition of Rs. 0.42 Crore and the GFA deduction of Rs. 0.14 Crore in FY 2016-17. The Commission observed that PTCUL, in its true-up claims for FY 2016-17 has claimed the GFA addition of Rs. 0.14 Crore for “Construction of SLDC at Dehradun and 2 Nos. Sub-SLDCs at Kashipur and Rishikesh”. The Petitioner submitted the details of GFA addition and GFA deduction in FY 2016-17 as under:

Table 3.3: GFA addition and GFA deduction in FY 2016-17 (Rs. Crore)

Particulars	GFA addition	GFA deduction
Construction of SLDC at Dehradun and 2 Nos. Sub-SLDC at Kashipur and Rishikesh	0.14	-
Furniture & Fixture	0.10	-
Office Equipment	0.17	-
Adjustment	-	0.14
Total	0.42	0.14

The Petitioner submitted that the amounts claimed towards furniture & fixture and office equipment above are included under the “Miscellaneous” head of capitalisation claimed for PTCUL. Taking into consideration the submissions of the Petitioner, the Commission has considered the GFA addition of Rs. 0.42 Crore and the GFA deduction of Rs. 0.14 Crore for FY 2016-17 and, accordingly, arrived at the closing GFA for FY 2016-17 as Rs. 13.25 Crore.

The Commission has considered the opening GFA for FY 2017-18 as Rs. 13.25 Crore. The Commission in the Tariff Order for FY 2017-18 dated March 29, 2017 had approved the GFA addition of Rs. 32.94 Crore for FY 2017-18 towards “Construction of SLDC at Dehradun and 2 Nos. Sub-SLDCs at Kashipur and Rishikesh”. As against the same, the Petitioner has claimed the GFA addition of Rs. 32.27 Crore. Accordingly, the Commission has considered the GFA addition of Rs. 32.27 Crore for FY 2017-18 and arrived at the closing GFA for FY 2017-18 as Rs. 45.51 Crore.

The Commission has considered the opening GFA for FY 2018-19 as Rs. 45.51 Crore. The Commission in its Order dated April 5, 2016 on approval of Business Plan and MYT for the Control Period from FY 2016-17 to FY 2018-19 had approved the GFA addition of Rs. 1.29 Crore during FY 2018-19 towards the project "Construction of SLDC at Dehradun and 2 Nos. Sub-SLDCs at Kashipur and Rishikesh". The Petitioner has claimed Rs. 22.66 Crore towards the "Reliable communication and data acquisition system 132 kV and above substation in Uttarakhand". The Commission vide its Order dated March 08, 2018 has in principle approved the DPR for Rs. 37.46 Crore. However, the Commission feels that there would be some lead time for the Petitioner for awarding the works and the works itself would take time for completion. Hence, the said works could only be completed towards the fag end of FY 2018-19. Accordingly, the Commission does not find it appropriate to approve the GFA addition of Rs. 22.66 Crore claimed by the Petitioner for FY 2018-19 at this stage. The actual capitalisation during FY 2018-19 shall be considered by the Commission at the time of truing up subject to prudence check.

The Table below shows the details of GFA as submitted by the Petitioner and approved by the Commission:

Table 3.4: Gross Fixed Assets (Rs. Crore)

Particulars	FY 2016-17		FY 2017-18		FY 2018-19	
	Proposed	Approved	Proposed	Approved	Proposed	Approved
Opening GFA	12.97	12.97	13.25	13.25	45.51	45.51
Addition	0.42	0.42	32.27	32.27	22.66	0.00
Deduction and adjustment	0.14	0.14	0.00	0.00	0.00	0.00
Closing GFA	13.25	13.25	45.51	45.51	68.17	45.51

3.3 Debt-equity ratio

Regulation 24 of UERC Tariff Regulations, 2015 specifies as under:

"(1) For a project declared under commercial operation on or after 1.4.2016, debt-equity ratio shall be 70:30. Where equity employed is more than 30%, the amount of equity for the purpose of tariff shall be limited to 30% and the balance amount shall be considered as normative loan. Where actual equity employed is less than 30%, the actual equity would be used for determination of Return on Equity in tariff computations."

The Petitioner has proposed the Debt-equity ratio of 70:30 for the proposed capitalization in FY 2017-18 and FY 2018-19. The Petitioner in its additional submissions submitted that the project "Reliable communication and data acquisition system for 132 kV and above substation in

Uttarakhand” would be funded by 50% contribution from PSDF grant and the remaining amount out of loan from PFC or REC. As per the Board Resolution dated September 23, 2017 submitted by the Petitioner, the “Reliable communication and data acquisition system 132 kV and above substation in Uttarakhand” is to be funded by 70% from loan and 30% from PSDF grant.

The Commission in its Order dated March 29, 2017 on approval of ARR for SLDC for FY 2017-18 had approved the Debt-Equity ratio as 70:30 for the project “Construction of SLDC at Dehradun and 2 Nos. Sub-SLDCs at Kashipur and Rishikesh”. The Commission has considered the same in this Order. As the Commission has not approved any GFA addition for FY 2018-19, the Commission has not considered any funding for the same in this Order. The Table below shows the Means of Finance approved by the Commission:

Table 3.5: Means of Finance (Rs. Crore)

Particulars	FY 2017-18		FY 2018-19	
	Claimed by SLDC	Approved	Claimed by SLDC	Approved
GFA Addition	32.27	32.27	22.66	0.00
Debt (%)	70.00%	70.00%	70%	-
Equity (%)	30.00%	30.00%	30%	-
Debt	22.59	22.59	15.86	-
Equity	9.68	9.68	6.80	-

3.4 Annual SLDC Charges

Regulation 99 of the UERC Tariff Regulations, 2015 specifies as follows:

“99. Annual SLDC Charges

The annual charges to be recovered by the SLDC shall include the component of Return on Equity and also the following expenses:

- (a) O&M expenses;
- (b) Return on Equity;
- (c) Depreciation;
- (d) Lease Charges;
- (e) Interest and Finance charges on Loan Capital;
- (f) Income Tax, if any;
- (g) Interest on working capital, if any;
- (h) Any other expenses incidental to discharging the functions of SLDC as deemed appropriate by the Commission;”

The Commission in this Order has approved the SLDC Charges for FY 2018-19 based on the

GFA approved for FY 2016-17, FY 2017-18 and FY 2018-19.

3.4.1 Operation and Maintenance (O&M) expenses

The Petitioner submitted that O&M expenses have been projected based on the methodology specified in the UERC Tariff Regulations, 2015.

Regarding the Operation and Maintenance expenses, Regulation 100 of the UERC Tariff Regulations, 2015 specifies as follows:

"100. Operation and Maintenance Expenses

(1) *The O&M expenses for the first year of the Control Period will be approved by the Commission taking into account actual O&M expenses for last five years till Base Year subject to prudence check and any other factors considered appropriate by the Commission.*

(2) *The O&M expenses for the nth year and also for the year immediately preceding the Control Period i.e., FY 2015-16 shall be approved based on the formula given below:-*

$$O\&M_n = R\&M_n + EMP_n + A\&G_n$$

Where –

- *O&M_n – Operation and Maintenance expense for the nth year;*
- *EMP_n – Employee Costs for the nth year;*
- *R&M_n – Repair and Maintenance Costs for the nth year;*
- *A&G_n – Administrative and General Costs for the nth year;*

(3) *The above components shall be computed in the manner specified below:*

$$EMP_n = (EMP_{n-1}) \times (1+G_n) \times (CPI_{inflation})$$

$$R\&M_n = K \times (GFA_{n-1}) \times (WPI_{inflation}) \text{ and}$$

$$A\&G_n = (A\&G_{n-1}) \times (WPI_{inflation}) + Provision$$

Where –

- *EMP_{n-1} – Employee Costs for the (n-1)th year;*
- *A&G_{n-1} – Administrative and General Costs for the (n-1)th year;*
- *Provision: Cost for initiatives or other one-time expenses as proposed by the Transmission Licensee and approved by the Commission after prudence check.*
- *"K" is a constant specified by the Commission in %. Value of K for each year of the control period shall be determined by the Commission in the MYT Tariff order based on*

Transmission Licensee's filing, benchmarking of repair and maintenance expenses, approved repair and maintenance expenses vis-à-vis GFA approved by the Commission in past and any other factor considered appropriate by the Commission;

- *CPIinflation – is the average increase in the Consumer Price Index (CPI) for immediately preceding three years;*
- *WPIinflation – is the average increase in the Wholesale Price Index (CPI) for immediately preceding three years;*
- *GFA_{n-1} - Gross Fixed Asset for the n-1th year;*
- *G_n is a growth factor for the nth year. Value of G_n shall be determined by the Commission in the MYT tariff order for meeting the additional manpower requirement based on Transmission Licensee's filings, benchmarking and any other factor that the Commission feels appropriate;*

Provided that in case of a SLDC being governed by Government pay structure, the Commission may consider allowing a separate provision in Employee expenses towards the impact of VIIth Pay Commission.

Provided that repair and maintenance expenses determined shall be utilised towards repair and maintenance works only."

The O&M expenses includes Employee expenses, R&M expenses and A&G expenses. In accordance with Regulation 100 of the UERC Tariff Regulations, 2015, the O&M expenses for the first year of the Control Period was approved by the Commission taking into account actual O&M expenses of the previous years and any other factors considered appropriate by the Commission in its Order dated April 5, 2016. The Commission in its Order dated March 29, 2017 on approval of APR for FY 2016-17 and ARR for FY 2017-18 had approved the O&M expenses for FY 2016-17 and FY 2017-18 based on the actual O&M expenses for SLDC and SCADA units working within PTCUL for FY 2015-16 in accordance with Regulation 100 of the UERC Tariff Regulations, 2015.

The submissions of the Petitioner and the approach adopted by the Commission for approving the various components of O&M expenses for FY 2018-19 are discussed below.

3.4.1.1 Employee expenses

The Petitioner submitted that the Employee expenses are linked to the Government approved scales and allowances and the Utility has no control over it. It has to pay its employees,

the salary and allowance, as approved by the Government from time to time. The Table below shows the Employee expenses under the head of SLDC and SCADA for FY 2016-17 and first 6 months of FY 2017-18 as submitted by the Petitioner:

**Table 3.6: Employee expenses as submitted by the Petitioner
(Rs. Crore)**

Particulars	FY 2016-17 (Actual)	FY 2017-18 (Actual upto September, 2017)
Employee expenses	3.73	2.03

The Petitioner submitted that considering the HR plan and CPI inflation rate, the employee expenses for FY 2017-18 have been re-estimated. The increase in CPI inflation for FY 2013-14, FY 2014-15 and FY 2015-16 are 9.68%, 6.29% and 5.65% respectively. Based on this, the average increase in CPI works out to be 7.21% for last three years. The Petitioner also submitted that the employee expenses incurred in FY 2016-17 for SCADA and SLDC, have been escalated to determine the employee expenses for FY 2018-19. With regard to growth factor, the Petitioner submitted that on the basis of the HR Plan of both SCADA and SLDC, Growth factor has been projected to estimate the employee expenses for the Control Period. With regard to employee expenses for FY 2017-18, the Petitioner submitted that since the employees proposed to be recruited in FY 2017-18, shall only serve for the last quarter of the said financial year, the impact of new recruitment has thus, accordingly, been limited to three months for FY 2017-18. The Petitioner has also taken the impact of VII Pay Commission in FY 2017-18, including the arrears for FY 2016-17.

The Petitioner submitted that the Growth factor has been considered based on the following recruitment plan envisaged:

Table 3.7: Employee Recruitment Plan submitted by the Petitioner

Particulars	FY 2016-17	FY 2017-18	FY 2018-19
Opening no. of Employees	37	35	74
Addition	14	41	13
Transfer to PTCUL	16	1	0
Retirement	0	1	0
Closing No. of Employees	35	74	87

The Commission has revised the employee expenses for FY 2018-19 from that approved in the MYT Order considering the following:

- The base employee expenses have been considered as per the Order dated March 29, 2017.

- The growth factors for FY 2016-17, FY 2017-18 and FY 2018-19 have been revised considering the actual recruitment status in FY 2016-17, FY 2017-18 and proposed recruitment in FY 2018-19. The Commission observed that there has been no recruitment of employees in FY 2017-18. Hence, the Commission has considered the Gn factor for FY 2017-18 as 0% and considering the recruitment for FY 2018-19 as claimed by the Petitioner, the Gn factor of 39.39% is approved for FY 2018-19. In this regard, the Commission would like to clarify that if the actual addition to the no. of employees is lower than the no. of employee addition considered in this Order, the impact of the same shall be adjusted while carrying out the truing up and the same shall not be considered as saving for sharing.
- The CPI inflation has been revised to average increase in CPI inflation for the preceding 3 years.

In its MYT Order, the Commission had considered the impact of VII Pay Commission to the tune of 20% of the approved net employee expenses and had allowed certain provision to the Petitioner for FY 2016-17 to FY 2018-19. Although the VII Pay Commission is effective from January 1, 2016, the Petitioner has not incurred any expenses on account of the impact of the VII Pay Commission. The Petitioner submitted that the arrears of Pay Commission shall be paid in FY 2017-18 & FY 2018-19. Further, in its submission dated March 7, 2018, SLDC has submitted the impact of Pay Commission of Rs. 0.51 Crore for FY 2018-19. The Commission has also considered Rs. 0.51 Crore as impact towards the VII Pay Commission for FY 2018-19 as submitted by the Petitioner in its submission. The Commission shall carry out the truing up for FY 2017-18 and FY 2018-19 based on the actual impact of VII Pay Commission including arrears and no sharing of gains and losses on this account would be allowed. **The Petitioner is directed to maintain separate details of the amount paid as arrears to its employees on account of implementation of the recommendations of VII Pay Commission alongwith the next APR Petition.**

The normative employee expenses approved by the Commission for FY 2018-19 are as shown in the Table below:

Table 3.8: Employee expenses for FY 2018-19 (Rs. Crore)

Particulars	Claimed	Allowable
EMPn-1	5.11	3.74
Gn	17.57%	39.39%
CPIinflation	5.35%	5.35%
EMPn = (EMPn-1) x (1+Gn) x (1+CPIinflation)	9.68	5.49
Add: Impact of VIIth Pay Commission	0.61	0.51
Total employee expenses	10.29	6.00

3.4.1.2 Repairs and Maintenance (R&M) expenses

The Table below shows the actual R&M expenses booked in the accounting heads of SLDC and SCADA for FY 2016-17 and first 6 months of FY 2017-18 as submitted by the Petitioner:

Table 3.9: Actual R&M expenses as submitted by the Petitioner (Rs. Crore)

Particulars	FY 2016-17 (Actual)	FY 2017-18 (Actual upto September, 2017)
R&M expenses	0.60	0.74

The Petitioner submitted that it had awarded an Annual Maintenance Contract (AMC) to the original contractor of the project for the up-keep and maintenance of the SLDC assets. The Petitioner further submitted that it has awarded other AMCs for successful maintenance of the assets.

The Commission has revised the R&M expenses for FY 2018-19 from that approved in the MYT Order considering the following:

- The revised opening GFA has been considered for determining the R&M expenses.
- K factor has been considered as 2% as approved in the MYT Order.
- The WPI inflation has been revised to average increase in WPI inflation for the preceding 3 years.

The Commission in its earlier Orders had deducted the value of GFA covered under the AMC for allowing the normative R&M expenses. In addition to the normative R&M expenses computed in accordance with the Regulations, the Commission had approved the AMC fees. The Petitioner in the instant Petition submitted that a total of 9 AMCs have been awarded for maintenance of various assets. However, the Petitioner has not submitted the values of assets covered under the respective AMCs, except for two AMCs. Detail of the same is as under:

Table 3.10: Details of AMC as submitted by the Petitioner

S. No.	Name of Work	Details of assets covered under the AMC	GFA covered under AMC (in Rs.)	Amount of AMC (in Rs.)
FY 2017-18				
1.	AMC of PUNCOM make PLCC in Uttarakhand	PUNCOM make PLCC-24 Nos.	-	4,99,796.00
2.	AMC of PUNCOM make PABX in Uttarakhand	PUNCOM make PABX-5 Nos.	-	2,78,172.00
3.	AMC Air conditioning system in control room and server room at SLDC Dehradun.	8 Ton AC-6 Nos.	48,00,000.00	4,29,996.00
4.	AMC (With parts) of 08 Nos. 2 Ton Spilt Air-Conditioners installed at UPS/Battery Room of SCADA and 02 Nos. 1.5 Ton Split Air Conditioners installed at Video Conferencing room of SCADA at PTCUL Vidyut Bhawan Dehradun.	a) 2 Ton AC-8 Nos. b) 1.5 Ton AC-2 Nos.	70,400.00	66,000.00
5.	AMC work of 05 Nos. 48 Volts Batteries Bank and 04 Nos. 48 Volt Battery Charger at various locations.	a) 48 Volts Battery Bank - 05 Nos. b) Nos. 48 Volts Battery Charger - 04 Nos.	-	3,83,200.00
6.	AMC of ALDC Building DG Room & Micro-wave Building Lighting system Plants and Regular Cleaning around the Building at Virbhadrha Rishikesh.	ALDC Building DG Room & Micro-wave Building	-	61,238.00
7.	AMC for Battery Charger & Battery bank installed under SCADA/EMS Project in PTCUL Uttarakhand	a) HBL make battery (200Ah/350Ah/300Ah/500Ah/550Ah)-16 Nos. b) SMPS based 48 V225 A Amara Raja make battery charger=20 c) VRLA type battery bank 48 V (24 Cells) 200ah/300 ah=04 d) VRLA type battery banks 284 V (192 Cells) 300 Ah/200 Ah=04	-	1,26,000.00
8.	AMC of telecom PLCC, PABX and RTUs supplied under SCADA/EMS Project by M/s GE T&D India Ltd (formerly M/s Alstom).	RTU=12 PABX=21 PLCC=28	-	40,11,000.00
FY 2018-19				
9.	AMC of PLCC panel supplied by ABB Ltd	PLCC=77	2,32,23,200.00	24,00,000.00 (approx.)

It is to be noted that the Petitioner has executed AMC of Rs. 66,000 for one year for 10 nos. of ACs amounting to Rs. 70,400, AMC cost per AC as such works out to Rs. 6,600 which appears to be

on a very higher side. Further, in the Petition, the Petitioner has claimed the AMC fee of Rs. 1.41 Crore and Rs. 1.61 Crore for FY 2017-18 and FY 2018-19 respectively. For the opening GFA of Rs. 13.25 Crore for FY 2017-18, the Petitioner has claimed the AMC fee of Rs. 1.41 Crore which is around 11% of the GFA base. The Commission in its MYT Order for PTCUL for Control Period from FY 2016-17 to FY 2018-19, for determining the normative R&M expenses, had approved the K factor of 1.78% considering the actual R&M expenses and actual GFA base for PTCUL for the past years. In light of the same, the Commission finds the AMC fee claimed and that too in addition to the normative R&M expenses derived in accordance with the Regulations, is exorbitantly high. The Commission also observed that the Petitioner is claiming the normative R&M expenses considering the entire GFA base and is also claiming the AMC fees in addition to the normative R&M expenses. The Commission finds this approach of the Petitioner to be grossly incorrect as maintenance charges for the same assets cannot be claimed twice particularly when the normative O&M expenses for entire GFA is allowed as per Regulations. The AMC fees have to be met from the normative O&M expenses allowed by the Commission. Hence, the Commission in this Order has considered the entire approved GFA base for determining the normative R&M expenses in accordance with the Regulations. **The Commission directs the Petitioner to execute AMC contracts only after following proper tendering procedures & keep the cost of AMC to the bare minimum in accordance with the norms.**

Accordingly, the R&M expenses approved by the Commission for FY 2018-19 are as shown in the Table below:

Table 3.11: R&M expenses for FY 2018-19 (Rs. Crore)

Particulars	Claimed	Allowable
K	5.52%	2.00%
GFA _{n-1}	45.51	45.51
WPI _{inflation}	1.07%	1.07%
R&M_n = K x (GFA_{n-1}) x (1+WPI_{inflation})	2.54	0.92
AMC Fee	1.61	0.00
Total R&M expenses	4.15	0.92

3.4.1.3 Administrative and General (A&G) expenses

The Petitioner submitted that the A&G expenses consists of rent, rates and taxes, travel and conveyance expenses, consultancy and legal fees, insurance and other administration expenses. The Table below shows the actual A&G expenses booked in the accounting heads of SLDC and SCADA for FY 2016-17 and first 6 months of FY 2017-18 as submitted by the Petitioner:

Table 3.12: Actual A&G expenses as submitted by the Petitioner (Rs. Crore)

Particulars	FY 2016-17 (Actual)	FY 2017-18 (Actual upto September, 2017)
A&G expenses	0.79	0.34

The Petitioner submitted that the A&G expenses for FY 2017-18 have been projected based on the actual A&G expenses for first 6 months. The Petitioner submitted that the A&G expenses for FY 2018-19 have been computed in accordance with UERC Tariff Regulations, 2015.

The Commission has revised the A&G expenses for FY 2018-19 from that approved in the MYT Order considering the following:

- The base year A&G expenses have been considered as per the Order dated March 29, 2017.
- The WPI inflation has been revised to average increase in WPI inflation for the preceding 3 years.

Accordingly, the A&G expenses approved by the Commission for FY 2018-19 are as shown in the Table below:

Table 3.13: A&G expenses for FY 2018-19 (Rs. Crore)

Particulars	Claimed	Allowable
A&Gn-1	0.80	0.93
WPIinflation	1.07%	1.07%
Provision	0.00	0.00
A&Gn = A&Gn-1 x (1+WPIinflation) + Provision	0.81	0.94

3.4.1.4 O&M expenses

The Table below shows the proposed and approved O&M expenses for FY 2018-19:

Table 3.14: O&M expenses for FY 2018-19 (Rs. Crore)

Particulars	MYT Order	Claimed	Approved
Employee expenses	8.84	10.29	6.00
R&M expenses	1.35	4.15	0.92
A&G expenses	1.05	0.81	0.94
Total O&M expenses	11.25	15.26	7.86

3.4.2 Return on Equity

Regarding the Return on Equity, Regulation 26 of the UERC Tariff Regulations, 2015 specifies as follows:

“26. Return on Equity

(1) Return on equity shall be computed on the equity base determined in accordance with Regulation 24.

Provided that, Return on Equity shall be allowed on account of allowed equity capital for the assets put to use at the commencement of each financial year.

(2) Return on equity shall be computed on at the base rate of 15.50% for thermal generating stations, transmission licensee, SLDC ..."

The Petitioner submitted that the assets under SLDC and SCADA divisions are funded through 30% equity. As discussed above, the Commission has considered the debt-equity ratio of 70:30 and has, accordingly, considered the equity addition to the tune of 30% of the total GFA addition for the corresponding year. Accordingly, the Return on Equity approved by the Commission for FY 2018-19 is as shown in the Table below:

Table 3.15: Return on Equity for FY 2018-19 (Rs. Crore)

Particulars	MYT Order	Claimed	Approved
Opening Equity	13.21	13.70	13.38
Addition	0.39	6.80	0.00
Closing Equity	13.60	20.49	13.38
Rate of Return on Equity	15.50%	15.50%	15.50%
Return on Equity	2.05	2.12	2.07

3.4.3 Depreciation

The Petitioner submitted that the depreciation has been calculated considering the rates of depreciation specified in the UERC Tariff Regulations, 2015.

Regulation 28 of the UERC Tariff Regulations, 2015 specifies as follows:

"28. Depreciation

(1) The value base for the purpose of depreciation shall be the capital cost of the asset admitted by the Commission.

Provided that depreciation shall not be allowed on assets funded through Consumer Contribution and Capital Subsidies/Grants.

(2) The salvage value of the asset shall be considered as 10% and depreciation shall be allowed up to maximum of 90% of the capital cost of the asset.

...

(4) Depreciation shall be calculated annually based on Straight Line Method and at rates specified in Appendix - II to these Regulations.

..."

The Commission has computed the depreciation by considering the depreciation rates specified in the UERC Tariff Regulations, 2015. The Commission has computed the depreciation for full year on opening GFA and on proportionate basis on the assets added during the year. The depreciation approved by the Commission is as shown in the Table below:

Table 3.16: Depreciation for FY 2018-19 (Rs. Crore)

Particulars	MYT Order	Claimed	Approved
Depreciation	2.94	4.17	3.43

3.4.4 Interest charges

The Petitioner submitted that the project "Construction of SLDC at Dehradun and 2 Nos. Sub-SLDCs at Kashipur and Rishikesh" is 70% debt funded project under REC-II Scheme. The Petitioner submitted that interest rate of 11.82% has been considered for projecting the interest expenses and projected depreciation has been considered as repayment in accordance with UERC Tariff Regulations, 2015.

Regulation 27 of the UERC Tariff Regulations, 2015 specifies as follows:

"27. Interest and finance charges on loan capital and on Security Deposit

(1) The loans arrived at in the manner indicated in Regulation 24 shall be considered as gross normative loan for calculation of interest on loan.

(2) The normative loan outstanding as on 1.4.2016 shall be worked out by deducting the cumulative repayment as admitted by the Commission up to 31.3.2016 from the gross normative loan.

(3) The repayment for each year of the Control Period shall be deemed to be equal to the depreciation allowed for that year...

...

(5) The rate of interest shall be the weighted average rate of interest calculated on the basis of the actual loan portfolio at the beginning of each year applicable to the project:

...

(6) The interest on loan shall be calculated on the normative average loan of the year by applying the weighted average rate of interest.

..."

The Commission has worked out the interest charges considering the approved means of finance. The Commission has considered the closing loan balance for FY 2016-17 as opening loan balance for FY 2017-18 and considered loan addition during FY 2017-18 as discussed under Para 3.3 of this Order. Accordingly, the Commission has worked out the opening loan balance of Rs. 25.73 Crore for FY 2018-19. The Commission has provisionally considered the interest rate of 11.82% and the same shall be trued up based on the actual. The Commission has considered the normative repayment equal to the depreciation in accordance with the UERC Tariff Regulations, 2015. The interest charges approved by the Commission for FY 2018-19 are as shown in the Table below:

Table 3.17: Interest charges for FY 2018-19 (Rs. Crore)

Particulars	MYT Order	Claimed	Approved
Opening Loan	25.72	28.30	25.73
Addition	0.91	15.86	0.00
Repayment	2.94	4.17	3.43
Closing Loan	23.69	40.00	22.30
Average Loan	24.71	34.15	24.01
Interest rate	12.55%	11.82%	11.82%
Interest	3.10	4.04	2.84

3.4.5 Interest on Working Capital

The Petitioner submitted that it had estimated the Interest on Working Capital amounting to Rs. 1.10 Crore for FY 2018-19 in accordance with the provisions of UERC Tariff Regulations, 2015.

The Commission has worked out the Interest on Working Capital in accordance with the UERC Tariff Regulations, 2015 and has approved the same as Rs. 0.64 Crore. Detail of the same is as follows:

3.4.5.1 One Month O&M Expenses

The annual O&M expenses approved by the Commission are Rs. 7.86 Crore for FY 2018-19. Based on the approved O&M expenses, one month's O&M expenses works out to Rs. 0.66 Crore for FY 2018-19.

3.4.5.2 Maintenance Spares

The Commission has considered the maintenance spares as 15% of O&M expenses in accordance with UERC Tariff Regulations, 2015, which works out to Rs. 1.18 Crore for FY 2018-19.

3.4.5.3 Receivables

The Commission has approved the receivables for two months based on the approved SLDC Charges of Rs. 16.84 Crore for FY 2018-19, which works out to Rs. 2.81 Crore for FY 2018-19.

Based on the above, the total working capital requirement of the Petitioner for FY 2018-19 works out to Rs. 4.64 Crore. The Commission has considered the rate of interest on working capital as 13.70% equal to State Bank Advance Rate (SBAR) of State Bank of India as on the date of filing of the APR Petition and, accordingly, the interest on working capital works out to Rs. 0.64 Crore for FY 2018-19.

The Interest on Working Capital approved by the Commission is as shown in the Table below:

Table 3.18: Interest on Working Capital for FY 2018-19 (Rs. Crore)

Particulars	MYT Order	Claimed	Approved
O&M expenses for one month	0.94	1.27	0.66
Maintenance spares	1.69	2.29	1.18
Two months receivables	3.25	4.45	2.81
Working Capital	5.88	8.01	4.64
Rate of Interest on Working Capital	14.05%	13.70%	13.70%
Interest on Working Capital	0.83	1.10	0.64

3.4.6 SLDC Charges

Based on the above, the SLDC Charges approved by the Commission for FY 2018-19 is as shown in the Table below:

Table 3.19: SLDC Charges for FY 2018-19 (Rs. Crore)

S. No.	Particulars	MYT Order	Revised Proposed	Approved
1	O&M expenses	11.25	15.26	7.86
2	Return on Equity	2.05	2.12	2.07
3	Depreciation	2.94	4.17	3.43
4	Interest and finance charges	3.10	4.04	2.84
5	Interest on Working Capital	0.83	1.10	0.64
6	Less: Non-Tariff Income	0.65	0.00	0.00
	ARR	19.51	26.68	16.84

3.4.7 LDC Development Fund

Regulation 98 of UERC Tariff Regulations, 2015 specifies as under:

“

(1) The SLDC shall create and maintain a separate fund called 'Load Despatch Centre

Development Fund' ("LDCD Fund").

- (2) All the other income of SLDC like short term open access charges, registration charges, scheduling and operating charges, etc. shall be deposited into LDCD Fund.
- (3) The SLDC shall be entitled to utilise the money available in the LDCD Fund for creation of new assets, meeting stipulated equity portion in asset creation, margin money for raising loan from the financial institutions and funding of R&D projects.
- (4) The LDCD Fund shall not be utilized for revenue expenditure except to meet the short fall, if any, in the annual charges allowed by the Commission or to meet the contingency expenses which were not foreseen at the time of making the application for fees and charges and are considered necessary for the efficient power system operation. However, such draws from the said fund shall be recouped from the expenditure allowed by the Commission under the respective heads at the time of truing up.
- (5) Any asset created by the SLDC out of the money deposited into the LDCD Fund shall not be entitled for return on equity, interest on loan and depreciation on same principles as in case of grant. SLDC shall submit details of such assets in the CAPEX plan.
- (6) SLDC shall submit the amount accumulated in LDC development fund along with the break-up of sources from where the fund is received. The Commission shall review the LDC development fund every year and issue directions to SLDC for effective utilization of the funds, if required."

The actual operating and scheduling charges collected for FY 2016-17 are as shown in the Table given below:

Table 3.20: Details of LDCD Fund submitted by SLDC (Rs. Crore)

Particulars	Actual upto FY 2016-17
Short Term Open Access (Operating Charges)	1.88
Registration Fees	0.02
LDCD Fund	1.90

The Commission in its earlier Order dated March 29, 2017 directed SLDC as below:

"The Petitioner is directed to ensure compliance of the Regulations. The Petitioner is also directed to submit the amount of LDC Development Fund created till FY 2016-17 and utilization plan for the same alongwith its APR Petition for FY 2017-18."

The utilization plan for LDCD fund in compliance to the direction issued by the Commission in the Order dated March 29, 2017, submitted by SLDC is shown in the Table below:

Table 3.21: Details of LDCD Utilization Plan submitted by SLDC (Rs. Crore)

Year	Particulars	Amount
2016-17	Nil	-
2017-18	Development of web-based software for implementation of online system for grant of NOC to Open Access customers	0.50
2018-19	Integrated IT/software solution including software modules viz., Scheduling, Energy Accounting and Settlement, Outage Management, MIS. Outsourcing of the work, viz., "Forecasting of Solar & Wind Generation"	1.50

Further, as per Regulation 98(3) of UERC Tariff Regulations, 2015, the SLDC shall be entitled to utilise the money available in the LDCD Fund to meet the stipulated equity portion and margin money for raising loan from financial institutions for creation of new assets and funding of R&D projects and such LDC fund will be treated as grant and shall be accounted for accordingly. **In this regard, the Commission directs the Petitioner to ensure timely submission of the completed cost alongwith the scheduled CoD, actual CoD and actual IDC incurred on the projects developed through LDC Development fund within 30 days of CoD of the project/works.**

3.4.8 Operating Charges

The Commission vide UERC (Terms and Conditions of Intra-State Open Access) Regulations, 2015 has specified the Operating Charges in respect of short-term open access customers. Regulation 21 of the UERC (Terms and Conditions of Intra-State Open Access) Regulations, 2015 specifies the Operating Charges for the Short-term Open Access customer which is reproduced hereunder:

"21. SLDC and System Operation Charges:

(1) Transactions involving inter-State transmission system

.....

(b) Short-term open access

Regional Load Despatch Centre and State load despatch centre system operation charges as specified by the Central Commission.

(2) Transactions not involving inter-State transmission system

.....

(b) Short-term open access

System Operation charge per day or for part of the day shall be payable by a short-term open access customer for each transaction to SLDC as determined by the Commission from time to time.

[Explanation: System Operation charge includes fee for scheduling and system operation, energy

accounting, fee for affecting revisions in schedule on bonafide grounds and collection and disbursement of charges.]

In compliance of the aforesaid Regulation 21(2)(b), the Commission has decided to retain the system operation charges of Rs. 3,000 per day or part of the day for each transaction payable to the SLDC by intra-state open access customers with effect from the date of issue of this Order.

4 Commission's Directives

The Commission in its previous Orders had issued a number of specific directions to SLDC with an objective of attaining operational efficiency and streamlining the flow of information, which would be beneficial for the Sector and the Petitioner both in short and long term. This Chapter deals with the compliance status and Commission's views thereon as well as the summary of new directions for compliance and implementation by SLDC.

4.1 Compliance of Directives issued in APR Order for FY 2016-17 dated March 29, 2017

4.1.1 *Project Cost & Transfer of assets from PTCUL to SLDC*

The Commission directs SLDC that the provisions of the UERC Tariff Regulations, 2015 has to be complied strictly by SLDC regarding maintenance of its expenses related to operation of SLDC. The Commission also directs the SLDC to file the Petition seeking truing up of FY 2016-17 alongwith the APR of FY 2017-18 in accordance with the MYT Regulations, 2015.

Petitioner's Submissions

In the meeting dated January 9, 2017 chaired by Principle Secretary (Energy), it was decided that in order to ensure independent functioning of SLDC, the office of the Commission shall submit manpower structure prevalent in SLDCs in other States alongwith proposed structure of Uttarakhand SLDC. The detailed proposed manpower structure of SLDC has been submitted vide letter number 183/SLDC dated May 29, 2017 to Director (HR) and Director (Project). Taking cognizance of the aforesaid letter, Director (HR), PTCUL formed a committee for finalization of the manpower structure vide letter number 833/HR and P.V./PTCUL/G-10 dated June 9, 2017. Meanwhile PTCUL is under process of preparing a report collecting information regarding staff structure from other SLDCs of the country. A suitable proposal shall be submitted to the Board of PTCUL once the committee finalizes its report.

Although, the accounting is already being done separately in the form of separate Monthly Trial Balance (MTBs), SLDC is yet to be formed into a separate company. The maintaining of separate annual statement of accounts including balance sheets can only be initiated after the ring fencing of SLDC is complete, and only then can the Petitioner file a separate true-up petition for SLDC. The petitioner requested the Commission to consider the combined true-up of SLDC and

PTCUL for FY 2016-17.

Fresh Directive (Para 3.1)

The Commission directs SLDC that the provisions of the UERC Tariff Regulations, 2015 has to be complied strictly by SLDC regarding maintenance of its expenses related to operation of SLDC. The Commission also directs SLDC to file the Petition seeking truing up of FY 2017-18 along with the APR of FY 2018-19 in accordance with the MYT Regulations, 2015 failing which action may be initiated against it under the provisions of the Act.

4.1.2 LDC Development Fund

The Petitioner is directed to ensure compliance of the Regulations. The Petitioner is also directed to submit the amount of LDC Development Fund created till FY 2016-17 and utilization plan for the same alongwith its APR Petition for FY 2017-18.

Petitioner's Submissions

A separate fund has been created in compliance with the Commission's directives and the details of the fund created have been submitted as a part of Format 12 of the SLDC ARR petition.

Fresh Directive (Para 3.4.7)

The Petitioner is directed to ensure timely submission of the completed cost alongwith the scheduled CoD, actual CoD and actual IDC incurred on the projects developed through LDC Development fund within 30 days of CoD of the project/works.

4.1.3 Grant of NoC to Open Access Customers

The Commission directs SLDC/PTCUL to implement on-line system of grant of NoC to open access customers in line with the system developed and operationalised by Telangana SLDC within one (1) month of issuance of this Order. Compliance report to the Commission be submitted within 15 days thereafter by the SLDC.

Petitioner's Submissions

The Petitioner visited the Telangana SLDC to study the system and consequently developed a plan to implement a similar system in Uttarakhand. After finalizing the technical specifications, scope of work, costing etc. the tender for this work has been floated on November 3, 2017 and the

date of opening of technical bid was December 5, 2017.

Fresh Directive (Para 2.3.3)

With regard to implementation of on-line system of grant of NoC to open access customers, the Commission directs the Petitioner to submit quarterly progress report to the Commission.

4.1.4 Timely completion of Schemes

The Commission directs the Petitioner to exercise caution and ensure that completed cost of the scheme is within the approved cost as the scheme has witnessed a considerable delay from the date of approval. The Petitioner is also directed to submit a complete timeframe within which the scheme would be completed.

Petitioner's Submissions

The Petitioner is cautious about completing the project on time and within approved cost. The Phase-I of SLDC project, construction of SLDC in Dehradun and two no. of Sub-SLDCs in Rishikesh and Kashipur work is already complete. Also, the works for OPGW networks covers laying of ~578 km of optical fibres on the PTCUL Transmission network under Phase- II have already been awarded and are expected to be complete by April, 2018.

4.1.5 Employee expenses

The Petitioner is directed to maintain separate details of the amount paid as arrears to its employees on account of implementation of the recommendations of VII Pay Commission.

Petitioner's Submissions

Till November 30, 2017, recommendations of VII pay commission have not been implemented in PTCUL/SLDC, hence no amount has been paid to employees as arrears. However, separate details of the amount paid as arrears to its employees on account of implementation of the recommendations of VII Pay Commission will be maintained.

Fresh Directive (Para 3.4.1.1)

The Petitioner is directed to maintain separate details of the amount paid as arrears to its employees on account of implementation of the recommendations of VII Pay Commission

alongwith the next APR Petition.

4.1.6 AMC Contracts


Fresh Directive (Para 3.4.1.2)

The Commission directs the Petitioner to execute AMC contracts only after following proper tendering procedures & keep the cost of AMC to the bare minimum in accordance with the norms.

**(Subhash Kumar)
Chairman**

5 Annexures

5.1 Annexure-1 : Public Notice on SLDC's Proposal



Power Transmission Corporation of Uttarakhand Ltd.,
(A Govt. of Uttarakhand Undertaking)
Corporate ID No. U40101UR2004GOI028675
Vidyut Bhawan, Near ISBT Crossing, Saharanpur Road, Majra, Dehradun-248002,
Phone No. 0135-2642006 Fax 0135-2643460

PUBLIC NOTICE

Inviting Comments on the Petition filed by SLDC for approval of the Annual Performance Review for FY 2017-18 and Revised Aggregate Revenue Requirement for FY 2018-19

Salient Points of the ARR/Tariff Petition

State Load Despatch Center, which has been made operational for grid control and despatch of electricity and other related works w.e.f. November 27, 2012 in the State of Uttarakhand, has filed a petition before the Commission for approval of Annual Performance Review (APR) of FY 2017-18 and revised Aggregate Revenue Requirement (ARR) for FY 2018-19. The summary of SLDC for the aforesaid is given in the following Table:

Summary of the APR and ARR of SLDC (Rs Crore)

S.No	Particulars	FY 2017-18(APR)		FY 2018-19(ARR)	
		As Approved	Revised Estimates	As Approved	Revised Estimates
1	Depreciation	2.30	2.37	2.94	4.17
2	Interest on Long Term Loans	2.01	2.15	3.10	4.04
3	Return on Equity	0.59	0.62	2.05	2.12
4	O&M Expenses	9.58	9.19	11.25	15.26
5	Interest on Working Capital	0.67	0.64	0.83	1.10
6	Gross Expenditure	15.15	14.96	20.17	26.68
7	Less: Non Tariff Income	0.00	0.00	0.65	0.00
8	Net Expenditure	15.15	14.96	19.51	26.68

2. SLDC has proposed a total hike of 76.11% for FY. 2018-19 over the approved SLDC charges for FY 2017-18. In case, the entire claim of SLDC is accepted by the commission, additional hike of 0.12% in consumer tariff shall be required over and above the hike proposed by UPCL. The recovery of the charges from the beneficiaries has been proposed through suitable fees and charges.
3. Detailed proposals can be seen free of cost on any working day at the Commission's office or at the office of Managing Director, Power Transmission Corporation of Uttarakhand Limited, Vidyut Bhawan, Saharanpur Road, Majra, Near ISBT, Dehradun - 248001, Uttarakhand. Relevant extracts can also be obtained from the above mentioned offices of the Petitioner.
4. The proposals are also available at the website of the Commission (www.uerc.gov.in) and at SLDC's website (www.uksidc.org).
5. Objections/suggestions are invited from the consumers and other stakeholders on the above proposals. These may be sent to the Secretary, Uttarakhand Electricity Regulatory Commission, either in person, or by post at Vidyut Niyamak Bhawan, Near I.S.B.T., P.O. Majra, Dehradun-248171 or through e-mail to secy.uerc@gov.in as a statement of objections or comments with copies of the documents and evidence in support thereof so as to reach the Secretary by 31.01.2018.

पत्रांक- 1318/अधि०अभि०(स्काडा)/पिटकुल/ दिनांक- 22.12.2017
Managing Director

"SAVE ELECTRICITY IN THE INTEREST OF NATION"

5.2 Annexure-2 : List of Respondents

Sl. No.	Name	Designation	Organization	Address
1.	Sh. Munish Talwar	-	M/s Asahi India Glass Ltd.	Integrated Glass Plant, Village-Latherdeva Hoon, Manglaur-Jhabrera Road, P.O. Jhabrera, Tehsil Roorkee, Distt. Haridwar, Uttarakhand
2.	Sh. Shakeel A. Siddiqui	Sr. General Manager (Commercial)	M/s Kashi Vishwanath Textile Mill (P) Ltd.	5 th KM, Stone, Ramnagar Road, Kashipur-244713, Distt. Udham Singh Nagar
3.	Dr. V.K. Garg	-	-	A-24/E, DDA Flats, Munirka, New Delhi-110067

5.3 Annexure-3 : List of Participants in Public Hearings

List of Participants in Hearing at Bageshwar on 20.02.2018

Sl. No.	Name	Designation	Organization	Address
1.	Sh. Deewan Singh Danu	Chairman	Daanpur Sewa Samiti	Danu Niwas, Village-Mandal Sera, Near Peepal Chowk, Distt. Bageshwar-263642
2.	Heera Singh Takuli	Secretary	Daanpur Sewa Samiti	Village-Mandal Sera, Jeetnagar, Near Peepal Chowk, Distt. Bageshwar-263642
3.	Sh. Joga Singh Mehta	Member	Chetra Panchayat, Jakhadi	Village & Post-Jakhadi, Distt. Bageshwar-263640
4.	Sh. Hoshiyar Singh Mehra	-	-	Village-Lamjhigara, Post-Mahroori, Tehsil-Kanda, Distt. Bageshwar
5.	-	Convenor	Jan Kalyan Samiti	Mandalsera, Near Peepal Chowk, Distt. Bageshwar
6.	Sh. Pratap Singh Garia	-	-	Maziakhhet, Tehsil Road, P.O.-Bageshwar, Distt. Bageshwar

List of Participants in Hearing at Rudrapur on 21.02.2018

Sl. No.	Name	Designation	Organization	Address
1.	Sh. R.S. Yadav	Vice President (HR & Admn.)	M/s India Glycols Ltd.	A-1, Industrial Area, Bazpur Road, Kashipur-244713, Distt. Udham Singh Nagar.
2.	Sh. B.S. Sehrawat	-	M/s ACME Cleantech Solutions Ltd.	Plot 3-8, 29-34, Sector-5, Integrated Industrial Estate Sidcul, Rudrapur, Distt. Udham Singh Nagar.
3.	Sh. Shakeel A. Siddiqui	Sr. General Manager (Commercial)	M/s Kashi Vishwanath Textile Mill (P) Ltd.	5 th KM Stone, Ramnagar Road, Kashipur-244713, Distt. Udham Singh Nagar.
4.	Sh. Pankaj Bora	-	M/s Galwalia Ispat Udyog Ltd.	Narain Nagar Industrial Estate, Bazpur Road, Kashipur-244713, Distt. Udham Singh Nagar.
5.	Sh. Pradeep Semwal	-	M/s Kashi Vishwanath Textile Mill (P) Ltd.	5 th KM Stone, Ramnagar Road, Kashipur-244713, Distt. Udham Singh Nagar.
6.	Sh. S.K. Garg	-	M/s BST Textile Mills Pvt. Ltd.	Plot 9, Sector 9, IIE, SIDCUL, Pantnagar, Distt. Udham Singh Nagar
7.	Sh. P.K. Mishra	-	M/s BST Textile Mills Pvt. Ltd.	Plot 9, Sector 9, IIE, SIDCUL, Pantnagar, Distt. Udham Singh Nagar
8.	Sh. Sanjay Kumar	-	M/s Perfect Dynamics Auto Pvt. Ltd.	Sector 9, Sidcul, Rudrapur, Distt. Udham Singh Nagar
9.	Sh. Jagdish Singh	-	-	Village-Dharampur, P.O. Chattarpur, Distt. Udham Singh Nagar
10.	Sh. Akash Jain	-	M/s Roop Polymers Ltd.	Plot No. 19, Sector-9, IIE SIDCUL, Pantnagar, Distt. Udham Singh Nagar
11.	Sh. G.S. Sandhu	Managing Director	M/s Tarai Foods Ltd.	Sandhu Farms, P.O. Box No. 18, Rudrapur-263153, Distt. Udham Singh Nagar.
12.	Sh. R.P. Singh	Executive Director	M/s Tarai Foods Ltd.	Sandhu Farms, P.O. Box No. 18, Rudrapur-263153, Distt. Udham Singh Nagar.
13.	Sh. Gurdayal Singh	-	-	Village-Dharampur, P.O. Chattarpur, Distt. Udham Singh Nagar
14.	Sh. A.K. Singh	-	-	Village Fulsunga, Post Off.-Transit Camp, Rudrapur-263153, Distt. Udham Singh Nagar.
15.	Sh. Prem Maurya	-	-	Village & P.O. Chattarpur, Rudrapur, Distt. Udham Singh Nagar-263153
16.	Sh. Harendra Singh	-	-	Fauji Matkota, Bhurarani, Rudrapur, Distt. Udham Singh Nagar
17.	Sh. Kunwar Pal Singh	-	-	Fauji Matkota, Bhurarani, Rudrapur, Distt. Udham Singh Nagar
18.	Sh. Deepak Kumar	-	M/s Nestle India Ltd.	Pantnagar, SIDCUL Industrial Area Road, Distt. Udham Singh Nagar-263153
19.	Sh. Umesh Sharma	-	M/s Voltas Ltd.	Plot No. 2-5, Sector-8, IIE, Pantnagar Industrial Area, Rudrapur, Distt. Udham Singh Nagar-263153
20.	Sh. Sukha Singh	-	-	Village & P.O. Chattarpur, Distt. Udham Singh Nagar

Sl. No.	Name	Designation	Organization	Address
21.	Sh. Harpal Singh	-	-	Village & P.O. Chattarpur, Distt. Udhm Singh Nagar
22.	Sh. Rohit Chopra	-	-	Village-Beria Daulat, Bazpur, Distt. Udhamsingh Nagar
23.	Sh. Bhaskar Joshi	-	M/s Titan Company Ltd.	Sector-2, Plot No. 10 A, Sidcul, Pantnagar, Rudrapur-263154, Distt. Udhamsingh Nagar
24.	Sh. Sanjay Adlakha	-	M/s Ambashakti Glass India Pvt. Ltd.	Plot. No. 41, Sector-3, SIDCUL, Pantnagar, Distt. Udhm Singh Nagar
25.	Sh. Rajendra Singh Makkar	Block President	Bhartiya Kisan Union	Village-Alakhdeva, P.O.-Premnagar, Tehsil-Gadarpur, Distt. Udhm Singh Nagar
26.	Sh. Lakhvinder Singh Mehta	-	-	Village-Beria Daulat, Bazpur, Distt. Udhm Singh Nagar
27.	Col. Jitender Pal	-	M/s SETCO Automotive Ltd.	Plot No.-196A, Phase-I, Eldeco Sidcul Industrial Park, Village Lalarpatti, Sitarganj, Distt. Udhm Singh Nagar
28.	Sh. Kuldeep Singh	-	Bhartiya Kisan Union	Village-Dakiya Kalan, Post Off.-Dakiya No.-I, Tehsil-Kashipur, Distt. Udhamsingh Nagar-244713
29.	Sh. Teeka Singh Saini	Former State General Secretary	Kisan Congress	33, Katoratal, Kashipur, Distt. Udhm Singh Nagar
30.	Sh. R.B. Biradar	Sr. General Manager	M/s Radico Khaitan Ltd.	A-1, A-2, B-3, Industrial Area, Bazpur, Distt. Udhm Singh Nagar
31.	Sh. Parmeshwar Sharma	-	M/s Parle Biscuits Pvt. Ltd.	Plot No. D-10, Eldeco Sidcul Industrial Area, Sitarganj-262405, Distt. Udhm Singh Nagar
32.	Sh. R.K. Maheshwari	-	M/s Mantri Metallics Ltd.	Plot No. 31, Sector-11, Sidcul, Pantnagar, Distt. Udhm Singh Nagar
33.	Sh. Rajesh Kumar Mishra	-	M/s Sidcul Entrepreneur Welfare Society	Plot No. 1, Sector-9, IIE, SIDCUL Pantnagar, Distt. Udhm Singh Nagar
34.	Sh. Harbhajan Singh	-	-	Bajar Patti, Gadarpur, Distt. Udhm Singh Nagar
35.	Sh. Shyam Chandra Kamboj	-	-	Roshanpur, Totawala, P.O. Gularbhoj, Distt. Udhm Singh Nagar
36.	Sh. Ashok Kumar	-	-	Mahaveer Nagar, Dr. Adarsh Nagar, Gadarpur, Distt. Udhm Singh Nagar
37.	Sh. Tushar Agarwal	-	M/s BTC Industries Ltd.	Village-Kishanpur, P.O. Deoria, Tehsil-Kichha, Distt. Udhamsingh Nagar

List of Participants in Hearing at Rudraprayag on 27.02.2018

Sl. No.	Name	Designation	Organization	Address
1	Sh. Harshwardhan Benjwal	Former Sarpanch	-	Village & Post-Nakot, Nagar Panchayat-Augustmuni, Distt. Rudraprayag
2	Sh. Balbeer Lal	Former Pradhan	-	Village & Post-Nakot, Nagar Panchayat-Augustmuni, Distt. Rudraprayag

List of Participants in Hearing at Dehradun on 28.02.2018

Sl. No.	Name	Designation	Organization	Address
1	Sh. Devesh Pant	-	M/s Tata Motors Ltd.	Plot No. 1, Sector 11, Integrated Industrial Estate, SIDCUL, Pantnagar-263153, Distt. Udham Singh Nagar
2	Sh. Pankaj Gupta	President	M/s Industries Association of Uttarakhand	C/o Satya Industries, Mohabbewala Industrial Area, Dehradun
3	Sh. Rajiv Agarwal	Sr. Vice-President	M/s Industries Association of Uttarakhand	C/o Satya Industries, Mohabbewala Industrial Area, Dehradun
4	Sh. Katar Singh	President	Kisan Club	Village-Sultanpur Sabatwali, P.O. Jhabrera-247667, Haridwar
5	Sh. Vijay Singh Verma	Secretary	Kisan Club	Village-Delna, P.O. Jhabrera, Haridwar-247665, Uttarakhand
6	Sh. Munish Talwar	-	M/s Asahi India Glass Ltd.	Integrated Glass Plant, Village-Latherdeva Hoon, Manglaur-Jhabrera Road, P.O. Jhabrera, Tehsil Roorkee, Haridwar
7	Sh. Arvind Jain	Member	Tarun Kranti Manch (Regd.)	6-Ramleela Bazaar, Dehradun
8	Sh. Gulshan Rai Khanduja	-	Sh. Ganesh Roller Floor Mills	Mohabbewala Industrial Area, Subhash Nagar, Dehradun-248001
9	Sh. K.L. Sundriyal	General Secretary	M/s Prantiya Electrical Contractors Association, Uttarakhand	4(4/3), New Road, Near Hotel Relax, (Amrit Kauri Road), Dehradun
10	Sh. Naval Duseja	DGM (Finance & Accounts)	M/s Flex Foods Ltd.	Lal Tappar Industrial Area, P.O. Resham Majri, Haridwar Road, Dehradun-248140
11	Sh. S.C. Mittal	Director	M/s Instruments & System	30, Mohabbewala Industrial Area, Dehradun-248002
12	Sh. P.K. Rajput	Executive Director	M/s Vista Alps Industries Ltd.	Plot No. 1 B, Sector-10, Integrated Industrial Estate, SIDCUL, Distt. Haridwar
13	Sh. Chandra Mohan Goyal	-	M/s Manoj Floor Mill	Near Sahastradhara Bus Stand, Sahastradhara, Dehradun
14	Sh. Sunil Gupta	Editor	Teesri Aankh ka Tehalka	16, Chakrata Road (Tiptop Gali), Dehradun-248001
15	Sh. Man Singh	General Manager (Engg.)	M/s Alps Industries Ltd.	Plot No. 1A, Sector-10, Integrated Industrial Estate, SIDCUL, Roshnabad Road, Distt. Haridwar-249403
16	Sh. Vijay Verma	-	M/s Shiv Shakti Electricals	Sarrafa Bazaar, Kankhal, Distt. Haridwar, Uttarakhand
17	Sh. Viru Bisht	-	-	Mohanpur, Post Off.-Premnagar, Dehradun-248007
18	Sh. G.D. Madhok	-	-	146/1, Rajendra Nagar, Street

Sl. No.	Name	Designation	Organization	Address
				No. 9, Kaulagarh Road, Dehradun
19	Sh. Subodh Kumar	-	-	Village-Harbanswala, Near Seemadwar, Dehradun
20	Dr. H.S. Rawat	President	M/s Progressive Dairy Farmers Association Uttarakhand	S-1, D-6, Defence Colony, Dehradun.
21	Sh. Arvind Jain	Member	Tarun Kranti Manch (Regd.)	6-Ramleela Bazaar, Dehradun
22	Sh. Kamaldeep Kamboj	-	Parvatiya Saaptahik	G-3, Janpad Shopping Complex, Chakrata Road, Dehradun
23	Sh. Parshuram	-	-	Jagjeetpur, Haridwar
24	Ms. Rubi Goyal	-	-	Chaman Vihar, Phase-II, ITBP Road, Dehradun
25	Sh. Sudhir Goyal	-	-	Lane No. 11, Chaman Vihar, P.O. Majra, Dehradun.
26	Sh. Surya Prakash	-	-	153, 2 nd Block, Dharampur, Dehradun
27	Sh. S.K. Yadav	-	-	Lane No. 11, Chaman Vihar, Near Niranjapur, Dehradun
28	Sh. Deshraj	-	-	Sohta House, Lane No. 11, Chaman Vihar, Near Niranjapur, Dehradun