

North Eastern Regional Power Committee

Agenda

For

29th Commercial Sub-Committee Meeting

Time : 10:00 Hrs.
Date : 22nd June, 2016 (Wednesday)
Venue : "Hotel Vivor, Kohima"
Host : Department of Power, Nagaland

CONFIRMATION OF MINUTES

1. CONFIRMATION OF MINUTES OF THE 28TH COMMERCIAL SUB-COMMITTEE MEETING OF NERPC.

Minutes of the 28th CC Meeting held at Hotel "Vedic Village Spa Resort", Kolkata on the 26th February 2016 was circulated vide No.: NERPC/COM/CC_Min/2016/832-872 dated 29th March 2016.

As no observation has been received from any of the constituents, the minutes of the 28th CCM may be confirmed.

FOLLOW UP ACTION

2.1 Colony Consumption by CSGS and Provision of CERC Regulations' 2014 thereof:

The issue was deliberated in the 28 CCM wherein it was highlighted that as per CERC (Removal of difficulty) order, though housing colony or township is integral part of the generating station, the electricity supplied to the housing colonies and township shall not form a part of the auxiliary energy consumption of the generating station. Therefore there was the need to separate the colony consumption and the auxiliary consumption and accordingly, NHPC, NTPC & NEEPCO agreed to intimate the status of their arrangement for metering their colony consumption for each station by 31/3/2016.

However, no information has been received so far. Status of arrangement made on the metering of colony consumption may be intimated.

Forum may kindly deliberate

2.2 Official mail ID of constituents for communication:

All accounts and correspondences related to commercial issues are being e mailed to IDs in our CC mailing list. In case of change in E mail IDs of any organization, the same may be intimated to NERPC Secretariat from time to time.

This is for information to CC members

ITEMS FOR DISCUSSION

3. AGENDA ITEMS FROM NERPC

3.1 *Compensation Mechanism for backing down of generation and Reserve Shutdown:*

The 4th Amendment of IEGC notified on 6th April, 2016 requires RPC to formulate a compensation mechanism for taking units under Reserve Shut down (RSD) or backing down generation up to technical minimum schedule. A draft mechanism has been prepared and has been attached at Annexure – 3.1. The amount of compensation and its sharing among the beneficiaries is to be reflected in monthly REA upon submission of necessary data by generators/RLDC.

Members may please deliberate.

3.2 *Methodology for adjustment in monthly share allocation in case of URS scheduling:*

As per CERC order in Petition No. 134/2009 dated 11.01.2010 unrequisitioned quantum of power may be scheduled from one beneficiary(s) to another beneficiary(s) of the same power station on the requisition by these beneficiaries through the provision provided in the IEGC. These schedule revisions would be treated as re-allocation of power. The methodology followed by NERPC is attached in Annx – 3.2. Members may please discuss and ratify.

Members may please deliberate.

4. AGENDA ITEMS FROM NHPC

4.1 *Outstanding dues of NHPC for more than 60 days:*

MeECL, Meghalaya: - As on date, total amount of ` **29.58 Crs** (Including surcharge of ` **7.99 Crs up to 31.05.2016**) is due against MeECL, Meghalaya. Meghalaya is not liquidating the total dues inspite of our regular follow-up. During 28th CCM held on 26th Feb' 2016, NHPC raised the issue to liquidate the total dues at the earliest. But no payment has been released by Meghalaya till date.

As such, amount outstanding beyond a period of 60 days shall continue to attract late payment surcharge at the rate of 1.50% per month as per CERC (Terms & Conditions of Tariff) Regulations, 2014.

MeECL, Meghalaya may be impressed upon to liquidate their total dues.

4.2 *Signing of PPA:*

(i) Signing of Power Purchase Agreement (PPA) in respect of Tawang-I & II H.E. Projects in Arunachal Pradesh:-

Modified draft PPA has been sent to Manipur, Tripura, & Mizoram on 03.05.2016 for signing of PPA in respect of Tawang-I & II H.E. Projects, in Arunachal Pradesh.

All concerned beneficiaries may be requested to give their consent for signing of PPA at the earliest.

(ii) Signing of Power Purchase Agreement (PPA) in respect of Subansiri Lower H.E. Projects in Arunachal Pradesh.

NHPC is regularly following up the matter with the officers of Deptt. of Power, Govt. of Arunachal Pradesh for signing of PPA in r/o Subansiri Lower H.E. Projects in Arunachal Pradesh. Vide our last reminder dated 27.04.2016, NHPC has clarified the doubts raised by the representative of Arunachal Pradesh in 27th CCM of NERPC and explained the mechanism of recovery of advance along with the interest from the portion of free power. But till date we have not received any communication in this regard from Govt. of Arunachal Pradesh.

Arunachal Pradesh may be requested to give their consent for signing of PPA at the earliest.

4.3 Opening/maintaining of Letter of Credit (LC):

(i) Manipur: - In view of enhancement of share allocation including the unallocated quota of power from Loktak Power Station, Manipur has to provide 'Letter of Credit' amounting to ` **4.87 Crs** in place of existing L.C. of ` **3.05 Crs**. Last reminder sent to MSPDCL on 24.05.2016 for the same.

Manipur may be requested to furnish the 'Letter of Credit (LC)' of requisite amount on top priority.

(ii) Based on 105% of average monthly billing of preceding 12 months i.e January 2015 to December 2015, Arunachal Pradesh & Mizoram were asked to provide 'Letter of Credit' of requisite amount vide our letter dated 22.01.2016. The existing L.Cs have already been expired but fresh/renewed L.C of requisite amounts has not been received till date despite regular reminders. Last reminders for submission of fresh/ renewed L.C were issued on 24.05.2016.

Name of beneficiary	Requisite amount	Validity Expired on
Arunachal Pradesh	` 0.75 Crs	31.03.2016
Mizoram	` 0.76 Crs	24.03.2016

Arunachal Pradesh & Mizoram may be requested to furnish the Letter of Credit (LC) of requisite amount on top priority.

5. AGENDA ITEMS FROM PGCIL

5.1 Outstanding dues:

The total outstanding of POWERGID's NER beneficiaries as on 08.06.16 is as under-
All Figures in INR Crores

DIC	Total Outstanding	Outstanding more than 60 days	Average billing	Remarks
Ar. Pradesh	6.06	2.64	1.99	03 months receivables
AEGCL (Assam)	171.19	100.73	35.00	05 months receivables
Manipur	5.61	0.00	2.90	02 months receivables

MeECL (Meghalaya)	37.10	21.00	6.50	06 months receivables
Mizoram	10.19	3.55	3.25	03 months receivables
Nagaland	-0.27	0.00	3.80	
TSECL (Tripura)	0.14	0.00	3.90	
Total	229.95	127.92	57.34	04 months receivables

It is evident that the total outstanding of NER DICs is of **more than 04 months**.

AEGCL (Assam), MeECL (Meghalaya), Mizoram may be impressed upon to liquidate their respective outstanding dues immediately.

5.2 LC requirement against PoC billing as per Cl. No. 3.6 of BCD (Billing Collection and Disbursement) Procedures of CERC order no. L-1/44/2010-CERC, Dtd. 29.04.11

REQUIREMENT AND STATUS OF LC AS ON DATE (08.06.16) OF NER BENEFICIARIES

(All Figures in ` Lakh)

Sl	Beneficiary	Required LC Amount	Due date of enhancement and renewal (for one year)	Total LC Amount to be renewed including enhanced value		
				Existing	Enhancement	Total
1	Arunachal Pradesh	244.96	31.03.16	252.00	0.00	244.96
2	AEGCL (Assam)	2911.41	31.05.17	1994.87	916.54	2911.41
3	Manipur	236.79	15.09.16	213.13	23.66	236.79
4	MeECL	604.81	10.12.13	0.00	604.81	604.81
5	Mizoram	269.59	04.05.16	169.28	100.31	269.59
6	Nagaland	284.04	21.03.17	284.04	0.00	284.04
7	Tripura	271.56	<i>14.02.17</i>	183.00	88.56	271.56

DICs are requested to renew & enhanced the LC as per requirement.

- **In 27th & 28th CCM, MeECL has committed to open LC; however as on date LC has not been opened. MeECL may be impressed upon to open LC of requisite amount immediately.**
- In last CCM TSECL has also committed to enhance their LC to requisite amount, however no such action has been taken by TSECL. TSECL may be impressed to enhance the LC as per requirement.

5.3 Retaining of 10MVA & 16MVA, 132/33kV Transformers of Nirjuli Sub Station as Regional Spare:

Recently, both the 10MVA & 16MVA, 132/33kV Transformers of 132/33kV Nirjuli Sub Station was replaced by POWERGRID under PoC Mechanism with 2X50MVA, 132/33kV Transformers for capacity enhancement as per the approval of NERPC and Standing Committee.

During 122nd OCC Meeting, the members opined to retain the both 10MVA & 16MVA, 132/33kV Transformers of 132/33kV Nirjuli Sub Station as Regional Spare considering the remoteness of NER for arranging additional Transformers during breakdown.

The issue may be deliberated and on agreement by the members the same will be placed in next Standing Committee Meeting for approval of the members.

Issue may be deliberated

5.4 Commercial Operation of 1X160MVA, 220/132kV Transformers to be installed at Balipara Sub Station for capacity enhancement of existing 2X50MVA, 220/132kV Transformers:

The existing two nos. of 50MVA, 220/132kV Transformers of 400/220kV Balipara is under replacement with 2X160MVA, 220/132kV Transformers by POWERGRID under PoC Mechanism for capacity enhancement based on the approval of NERPC and Standing Committee. One no of said 50MVA Transformers was installed by AEGCL for catering load to Sonitpur and Darang District and the other by NEEPCO for drawl of construction Power to Kameng. Hence, the said 50MVA Transformers are not a part of Regional Project. Now, after replacement of the 50MVA Transformers 220kV Bay equipments and C&R Panel owned by NEEPCO & AEGCL will remain in service with 160MVA Transformers. Hence, so far as commercial adjustment is concerned, the same will be as follows:

1. POWERGRID will capitalize the equipments / portion of the project which will be replaced by them.
2. Further, in future, if any replacement of unreplaced equipments of NEEPCO or AEGCL is done owing to breakdown the same will also be capitalized.
3. POWERGRID will maintain both the 160MVA Transformers and its associated bays and hence, the O&M Charge will be payable to POWERGRID.

Note: All the 132kV equipments to be replaced will be handed over to concerned owner viz. AEGCL & NEEPCO along with 50MVA Transformer.

Issue may be deliberated

6. AGENDA FROM NTPC

6.1 *Non-receipt of payment from MeECL:*

Power is being supplied from NTPC Bongaigaon to MeECL as per terms of PPA and relevant orders issued by NERPC and other Authority. Bills amounting to Rs.9.39 crores for April'16 supplies and Rs. 8.80 crores for May'16 supplies have already been raised and submitted to MeECL. It is impressed upon MeECL that these amounts constitute a firm liability which may be discharged at the earliest so as to pre-empt further recourse on our part. Additionally, payment security in the form of LC has also not been made available to us.

6.2 Non-receipt of payment from TSECL:

Power is being supplied from NTPC Bongaigaon to TSECL as per terms of PPA and relevant orders issued by NERPC and other Authority. Bills amounting to Rs.4.68 crores for April'16 supplies and Rs. 5.27 crores for May'16 supplies have already been raised and submitted to TSECL. It is impressed upon TSECL that these amounts constitute a firm liability which may be discharged at the earliest so as to pre-empt further recourse on our part. Additionally, payment security in the form of LC has also not been made available to us.

6.3 Additional agenda of NTPC:

- (1) LC for Arunachal Pradesh, Manipur, Meghalaya and Tripura with respect to BgTPP is not established yet.
- (2) It is noticed that, there is mismatch in total schedule energy of NTPC Stations (Copy Attached) between ERPC & NERPC REA for the year 2015-16.
- (3) If there are (X + Y) Discoms in the region and the generator gets dispatch schedule based on the withdrawal schedule of X Discoms which is equal to or more than the technical minimum load of the generator (55 % as specified in IEGC-4th Amendment), then the other Discoms (Y) who are giving zero requisition should not be given any withdrawal schedule.

Forum may like to discuss.

7. AGENDA FROM NERLDC

7.1 Deviation charges outstanding:

Status of Deviation charges outstanding as on 10/06/2016 is attached (**Annexure-6.1**). From the same it can be seen that Assam (₹ 29.21 Crores; greater than 13 weeks ₹ 7.30 Crores) and Arunachal Pradesh (₹ 8.83 Crores; greater than 13 weeks ₹ 2.75 Crores) are major defaulters.

It is reiterated that outstanding >13 weeks may result in action as stipulated by CERC by not allowing open access.

Assam and Arunachal Pradesh are required to take immediate necessary action.

7.2 Non-payment of NERLDC fees and charges bills:

NERLDC is raising the bills on monthly basis on the 1st working day of every month in Terms of the CERC (fees and charges of RLDC and other related matters) Regulation, 2015.

The status of latest outstanding is as below:

Manipur	: ₹ 2180034/- (3 months charges due)
Ar. Pradesh	: ₹ 1843236/- (3 months charges due)
Mizoram	: ₹ 1065040/- (3 months charges due)

Manipur, Ar. Pradesh & Mizoram may liquidate outstanding dues at the earliest.

7.3 SEM & associated issues:

1. Procurement of 250 SEMs / 60 Laptops, DCDs.
2. Procurement of 70 additional Laptops.
3. Downloading of SEM reading directly in Laptop
4. Procurement of 100 Nos. USB – Optical cables.
5. Rectification of large time-drifted SEMs in L&T works.
6. AMR scheme in NER.
7. Time drift in meter – regular action.
8. Timely receipt of SEM readings from metering locations.

7.4 Tabling quarterly figures of Deviation and Reactive Pool Account in Commercial Committee:

The figures will be tabled in Commercial Committee meeting.

8. AGENDA ITEMS FROM NEEPCO

8.1 *Signing of PPA for Kameng Hydro Electric Project (KaHEP):*

As per the latest commissioning schedule, KaHEP is expected to be commissioned by December, 2016 and signing of PPA has now become urgent. In line with the allocation order of Ministry of Power, GOI, and NEEPCO has forwarded draft PPA for scrutiny and to initiate the process for the same.

NEEPCO requests all the beneficiaries of NE region to expedite the process for signing the agreement.

The issue may be deliberated in the house.

8.2 *Outstanding dues of beneficiaries payable to NEEPCO as on 31.05.2016 are as follows:*

Beneficiary	Principal (In Rs. crore)	Surcharge accumulated till 31.03.2016 (in Rs. crore)	Total (in Rs. Crore)
APDCL, Assam	352.13	0.00	352.13
DoP, Ar. Pradesh	13.84	1.87	41.04
P&E Deptt., Mizoram	18.85	22.19	49.96
DoP, Nagaland	11.37	0.00	184.20
MSPDCL, Manipur	49.96	0.00	15.71
TSECL, Tripura	153.13	31.08	11.37
MePDCL, Meghalaya	335.67	197.55	533.22
Total	934.95	252.69	1187.63

The above statement reflects an alarming situation. Yet, it has to be appreciated that some states are paying regularly and some are trying hard to clear the dues. But the response from Meghalaya is nothing but dismal.

Due to accrual of such outstanding dues, NEEPCO is facing difficult to meet its day to day expenditure including fuel cost required for operating its thermal power stations. In the interest of extending better service to its beneficiaries, NEEPCO earnestly requests all the beneficiaries to make the payment on regular basis.

The above is for deliberation of the house.

9. **AGENDA ITEMS FROM OTPC**

9.1 **Outstanding Dues of OTPC against NER beneficiaries:**

The current total outstanding dues of OTPC against the NER beneficiary states (as on 10-06-2016) are as under:

(Amount in Rs Crores)

Sl.No.	Beneficiary	Outstanding Dues (>60 Days)	Total Outstanding
1	Arunachal Pradesh	3.129	8.211
2	Assam	10.094	63.870
3	Manipur	0.000	5.895
4	Meghalaya	10.599	29.867
5	Mizoram	0.000	3.068
6	Nagaland	0.000	0.000
7	Tripura	78.440	127.134
	Total	102.263	238.044

The total outstanding dues as on 10-06-2016 are Rs 238.044 Crores out of which outstanding beyond 60 days is Rs 102.263 Crores. Constituents are requested to clear at least the outstanding dues over 60 days, at the earliest.

9.2 **Status of Payment Security Mechanism of the beneficiaries required against monthly energy billing as per Power Purchase Agreement and CERC regulations:**

Sl. No.	Beneficiary	Letter of Credit (LC) required as per PPA (Rs Crore)	LC amount status (Rs Crore)	Valid Upto	Remarks
1	Arunachal Pradesh	11.62	11.62	31-Mar-2016	Kindly renew the LC and park sufficient funds with bank for LC
2	Assam	40	40	27-Apr-2017	LC is in place
3	Manipur	16.519	3.7	15-Sept-2016	May Kindly renew in time
4	Meghalaya	29.78	-	-	Meghalaya has never provided the LC even after continuous persuasion
5	Mizoram	7.5	5.81	7-May-2015	Yet to be renewed

6	Nagaland	14.26	14.26	20-Mar-2017	LC is in place
7	Tripura	46.53	18	19-Mar-2017	LC is in place

Beneficiaries are requested to enhance and renew the LC amount as per the PPA at the earliest.

10. AGENDA ITEMS FROM TSECL

10.1 *Surrendering share of Tripura in Bangaigaon Thermal Power station of NTPC & non acceptance of provisional energy bill raised by NTPC:*

Tripura State Electricity Corporation entered into an agreement with NTPC for purchase of power from Bangaigaon thermal power station during September' 2007. The availability of power was subject to opening of LC with NTPC at the time of COD.

TSECL prior to COD informed NTPC as well as MOP, GOI for surrendering of allocated share to avoid extra financial burden for purchase of such costlier power.

Accordingly, TSECL has provided zero schedules from this project after COD as unrequisioned power and therefore the claim raised by NTPC is not acceptable.

CC members may like to discuss.

10.2 *Approval of transmission tariff for 132KV Dharmanagar (Tripura) - Durlavcherra (Assam) upto Churaibari (Tripura portion) line in NE region and sharing of YTC:*

Hon'ble CERC in petition no-201/TT/2013, dated: 05-02-2016 determined the YTC for FY 2012-13, 2013-14, 2014-15 for an amount of Rs. 57.881 lakhs, 49.785 lakh & 63.367 lakh respectively with the following direction at Sl. No-20 of the said order.

Quote "The Annual Transmission charges allowed for the assets covered in the instant petition shall be considered in the YTC as per the sharing of inter-state Transmission charges and losses regulation as, 2010 and shall be adjusted against the ARR of the petitioner approved by the state commission" **unquote.**

In view of the above, PGCIL is to do the necessary action for sharing of the YTC infavour of TSECL so that TSECL is able to adjust the same in the ARR at an early opportunity.

11. AGENDA ITEMS FROM APDCL

11.1 *Re-import of Kurichhu energy by Bhutan from Assam grid w.e.f. April' 2003:*

This issue is in the matter of re-import of Kurichhu energy by Bhutan through Assam grid and anomalies in energy accounting thereof since April' 2003. It may be mentioned that Bhutan is re-importing Kurichhu energy through Assam grid since 01.01.1999 and accordingly the energy quantum was being reimbursed to Assam by EREB (ERPC) in monthly energy accounting.

But at the time of implementation of ABT in ER that methodology of reimbursement of energy to Assam was dropped. The matter came to our knowledge in a meeting

dated 09.01.2014 arranged by ERPC on the same issue of re-import of energy by Bhutan.

Ultimately, on the basis of decision taken in joint discussion of ERPC and NERPC Secretariat, APDCL filed a Petition on this matter before the Hon'ble CERC praying for reimbursement of cost of energy imported by Bhutan from the UI/ DSM pool account from April' 2003 onwards and also for billing guidelines for future period of transaction. The Central Commission CERC has taken a hearing on the matter on 11.08.2015 where NERPC, ERPC, NERLDC, ERLDC etc were also parties. All have admitted the submission of Assam (APDCL). Though the CERC was to issue necessary order on this, but till now no order is released by the Commission.

APDCL therefore prays to this Forum kindly to take up the matter with the CERC from the NERPC secretariat level so that the order is issued at the earliest.

CC members may like to deliberate

ANY OTHER ITEMS

DATE AND VENUE OF NEXT COMMERCIAL COMMITTEE MEETING

The next Commercial Coordination Sub-Committee meeting will be held in the month of Aug/Sep' 2016. The date and venue will be intimated separately.

COMPENSATION MECHANISM IN
COMPLIANCE WITH IEGC(4th
Amendment) Regulations 2016 Cl.
6.3B.7

NERPC Secretariat

Cl.3.(v): Compensation for the Station Heat Rate and Auxiliary Energy Consumption shall be worked out in terms of energy charges

- $ECR = \{(GHR - SFC \times CVSF) \times LPPF / CVPF + SFC \times LPSFi + LC \times LPL\} \times 100 / (100 - AUX)$
- $GHR_{new} = GHR(1 + \Delta SHR/100)$
- $AEC_{new} = AUX + \Delta AUX$
- ECR_{new} is now calculated with GHR_{new} & AEC_{new} .
- $Net\ Compensation = (ECR_{new} - ECR) \times$
Scheduled energy of the period.

Cl.3.(iii): COMPENSATION FOR START UP FUEL COST IN CASE OF RSD

- SFC_{new} calculated based on the total number of startups in the period.
- Accordingly ECR_{new} & compensation is to be calculated

SHR degradation to be considered for the purpose of compensation for coal/lignite fired stations

Sl.No.	Unit loading as a percentage of IC of unit	Increase in SHR for supercritical units (%)	Increase in SHR for sub-critical units (%)	Case
1	85-100	Nil	Nil	SHR
2	75-84.99	1.25	2.25	SHR _a
3	65-74.99	2	4	SHR _b
4	55-64.99	3	6	SHR _c

AEC degradation to be considered for the purpose of compensation for coal/lignite fired stations

Sl.No.	Unit loading as a percentage of IC of unit	% degradation in AEC admissible	Case
1	85-100	Nil	AEC
2	75-84.99	0.35	AEC_a
3	65-74.99	0.65	AEC_b
4	55-64.99	1.00	AEC_c

Calculation of Unit Loading

- Unit loading(U_L) = Blockwise Schedule / {No. Of units on Bar x Unit Capacity x (1-Normative AEC)}
- % loading ($\%U_L$) = $U_L \times 100$

Cl.3.(vi): The compensation so computed shall be borne by the entity who has caused the plant to be operated at schedule lower than corresponding to NAPAF upto technical minimum.

- $C_a = (ECR_a^{**} - ECR) \times \text{Net URS}_a$
 - $C_b = (ECR_b^{**} - ECR) \times \text{Net URS}_b$
 - $C_c = (ECR_c^{**} - ECR) \times \text{Net URS}_c$
- if $(SS < \% UL < UI) \ \& \ UI < NAPAF$ otherwise
zero
- Total Compensation(TC) = $C_a + C_b + C_c$
 - $E_1, E_2, E_3, \dots, E_7$ entitled energy of the beneficiaries.
 - $S_1, S_2, S_3, \dots, S_7$ scheduled energy of the beneficiaries including URS power if scheduled.
- ** ECRs to be submitted by plant

- Share beneficiary 1:

$$Sh_{1a} = \{ (E_{1a} - S_{1a}) \times C_a \} / \sum (E_{ia} - S_{ia})$$

Total Share of Compensation beneficiary 1 :

$$Sh_1 = Sh_{1a} + Sh_{1b} + Sh_{1c}$$

- *Cl. iv) In case of gas based Central Generating Station or inter-State Generating Station, compensation shall be decided based on the characteristic curve provided by the manufacturer and after prudence check of the actual operating parameters of Station Heat Rate, Auxiliary Energy Consumption, etc.*

-----XXX-----

Annexure-3.2

Methodology for calculation of share adjustment in case of scheduling of URS power:

CERC order in Petition No. 134/2009 dated. 11.01.2010 unrequisioned quantum of power may be scheduled from one beneficiary(s) to another beneficiary(s) of the same power station on the requisition by these beneficiaries through the provision provided in the IEGC. These schedule revisions would be treated as re-allocation of power.

Day i (peak), Plant 1 :

Name of beneficiary	URS scheduled in Mwh (a)	UR quantum in Mwh (b)	Net URS in Mwh* (c)=(b) -(a)
Ar.Pradesh	AP _a	AP _b	AP _c
Assam	AS _a	AS _b	AS _c
Manipur	MA _a	MA _b	MA _c
Meghalaya	ME _a	ME _b	ME _c
Mizoram	MI _a	MI _b	MI _c
Nagaland	NG _a	NG _b	NG _c
Tripura	TR _a	TR _b	TR _c
Total	URS _{sch}		URS _{net}

* zero value if negative

Revised share allocation Ar.Pradesh=

$$\text{Normal peak share allocation (in \%)} + \frac{\{-AP_c \times 100\}}{\{96 \times DC(\text{day}) \times 0.25\}} - \frac{\{AP_c \times URS_{sch} \times 100\}}{\{URS_{net} \times DC(\text{day}) \times 0.25 \times 96\}}$$

Similarly revised peak & off-peak Share allocation calculated for all the beneficiaries.

Simple average of peak and off-peak share allocation => monthly peak and off-peak share allocation

Weighted average of the monthly peak and off-peak share allocation => final share allocation of a particular beneficiary against a particular power plant.