Central Electricity Regulatory Commission
New Delhi

Petition No.141/MP/2018

Coram:

Shri P. K. Pujari, Chairperson
Dr. M.K. Iyer, Member
Shri I.S. Jha, Member

Date of Order: 01.08.2019

In the matter of

Application under Regulation-31(6) of CERC (Terms and Conditions of Tariff) Regulations,2014 for recoupment of under recovered energy charges due to shortfall in energy generation for reasons beyond the control of generating station during FY 2016-17 in respect of Chamera-III Power Station.

And

In the matter of

NHPC Limited
(A Govt of India Enterprise)
NHPC Office Complex,
Sector – 33,
Faridabad –121 003

…Petitioner

Vs

1. Punjab State Power Corporation Ltd
The Mall, Patiala – 147001

2. Haryana Power Utilities
(DHBVNL & UHBVNL)
Shakti Bhawan, Sector VI,
Panchkula- 134019

3. BSES Rajdhani Power Ltd
2nd Floor, B Block, Nehru Place,
New Delhi 110019

4. Uttar Pradesh Power Corporation Ltd
Shakti Bhawan, 14, Ashoka Road,
Lucknow – 226001

5. BSES Yamuna Power Ltd
Shakti Kiran Building, Karkardooma,
Delhi – 110092

6. Tata Power Delhi Distribution Ltd
33 kV Sub-station, Hudson Lines,
Kingsway Camp, Delhi – 110009

7. Jaipur Vidyut Vitaran Nigam Ltd.,
Vidyut Bhawan, Janpath,
Jaipur – 302005

8. Jodhpur Vidyut Vitaran Nigam Ltd.
New Power House, Industrial Area,
Jodhpur-342003

9. Ajmer Vidyut Vitaran Nigam Ltd
Old Power House,
Hatthi Bhatta, Jaipur Road,
Ajmer-305001(Rajasthan)

10. Uttrakhand Power Corporation Ltd
UrjaBhawan, Kanwali Road,
Dehradun- 248001

11. Himachal Pradesh State Electricity Board Ltd
Vidyut Bhawan, Kumar House
Shimla – 171004

12. Power Department
Union Territory of Chandigarh,
Engineering Department, UT Secretariat,
Sector 9D, Chandigarh - 160009

13. Power Development Department (J&K)
Government of J&K,
Mini Secretariat, Jammu–180001 **...Respondents**

Parties present:

Shri Prashant Kaul, NHPC
Shri A.K. Pandey, NHPC
Shri V.N. Tripathi, NHPC
Shri Jitender Kumar, NHPC
Shri Piyush Kumar, NHPC
Ms. Seema Mishra, NHPC
Shri Dhanush C.K, NHPC
Shri R.B. Sharma, Advocate, BRPL

Shri Mohit Mudgal, Advocate, BYPL
Ms. Swapna Seshadri, Advocate, PSPCL

ORDER

The Petitioner, NHPC Ltd. (hereinafter referred to as NHPC) has filed this petition seeking the following relief(s):

> *(a) Hon'ble Commission may kindly allow recovery of energy charges amounting to Rs. 14.56 Crs in FY 2017-18 against the shortfall in generation of Rs 74.98 MU in FY 2016-17 as per regulation 31(6)(a) of CERC Tariff Regulations, 2014 as explained in para- VIII & X of the petition.*
>
> (b) *Hon'ble Commission is requested to allow modified design energy for FY 2016-17 so that the recovery of allowable energy charges is assured as explained in para-XI of the petition.*
>
> *(c) To allow revision of energy bills for the period 2017-18 which were already raised to beneficiary for recovery of energy charges.*
>
> *(d) To allow issuance of supplementary bill for recovery of balance shortfall in energy charges directly from the beneficiaries after determination of final tariff by Honb'le Commission as mentioned in para-IX of the petition.*
>
> *(e) Pass such other and further order/orders as are deemed fit and proper in the facts and circumstances of the case.*

2. Chamera-III Power Station (hereinafter referred to as the generating station) located in the State of Himachal Pradesh comprises of three units of 77 MW each. The generating station was declared under commercial operation on 4.7.2012. The approved annual Design Energy (DE) of the generating station is 1108.17 MU and keeping in view the provision of auxiliary losses (1.2%), LADF (1%) and Free Power to the home state (12%), the saleable energy works out to be 952.54 MU.

3. The provisions of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014 (hereinafter referred to as "the 2014 Tariff Regulations") dealing with the methodology for computation of energy charges and billing in respect of hydro-generating stations are as under:

"31(4) The energy charge shall be payable by every beneficiary for the total energy scheduled to be supplied to the beneficiary, excluding free energy, if any, during the calendar month, on ex power plant basis, at the computed energy charge rate. Total Energy charge payable to the generating company for a month shall be:

(Energy charge rate in Rs. / kWh) x {Scheduled energy (ex-bus) for the month in kWh} x (100 – FEHS) / 100

"31(5) Energy charge rate (ECR) in Rupees per kWh on ex-power plant basis, for a hydro generating station, shall be determined up to three decimal places based on the following formula, subject to the provisions of clause (7):

$$ECR = AFC \times 0.5 \times 10 / \{DE \times (100 – AUX) \times (100 – FEHS)\}$$

Where,

DE = Annual design energy specified for the hydro generating station, in MWh, subject to the provision in clause (6) below.

FEHS = Free energy for home State, in per cent, as defined in Regulation 42.

"31(6) In case the actual total energy generated by a hydro generating station during an year is less than the design energy for reasons beyond the control of the generating station, the following treatment shall be applied on a rolling basis on an application filed by the generating company:

(a) In case the energy shortfall occurs within ten years from the date of commercial operation of a generating station, the ECR for the year following the year of energy shortfall shall be computed based on the formula specified in clause (5) with the modification that the DE for the year shall be considered as equal to the actual energy generated during the year of the shortfall, till the energy charge shortfall of the previous year has been made up, after which normal ECR shall be applicable:

Provided that in case actual generation form a hydro generating station is less than the design energy for a continuous period of 4 years on account of hydrology factor, the generating station shall approach CEA with relevant hydrology data for revision of design energy of the station."

(b) *In case the energy shortfall occurs after ten years from the date of commercial operation of a generating station, the following shall apply.*

Explanation: Suppose the specified annual design energy for the station is DE MWh, and the actual energy generated during the concerned (first) and the following (second) financial years is A1 and A2 MWh respectively, A1 being less than DE. Then, the design energy to be considered in the formula in clause (5) of these regulations for calculating the ECR for the third financial year shall be moderated as (A1 + A2 – DE) MWh, subject to a maximum of DE MWh and a minimum of A1 MWh.

(c) *Actual energy generated (e.g. A1, A2) shall be arrived at by multiplying the net metered energy sent out from the station by 100 / (100 – AUX).*

"31(7) In case the energy charge rate (ECR) for a hydro generating station, computed as per clause (5) of this regulation exceeds ninety paise per kWh, and the actual saleable energy in a year exceeds {DE x (100 – AUX) x (100 – FEHS) / 10000}

MWh, the Energy charge for the energy in excess of the above shall be billed at ninety paise per kWh only:

Provided that in a year following a year in which total energy generated was less than the design energy for reasons beyond the control of the generating company, the energy charge rate shall be reduced to ninety paise per kWh after the energy charge shortfall of the previous year has been made up.

Submissions of the Petitioner

4. The Petitioner in this petition has submitted as under:

(a) The present petition has been filed by NHPC in order to suitably modify the Energy Charge Rate (ECR) in terms of Regulation 31(6)(a) of the 2014 Tariff Regulations for FY 2017-18 for recovery of under-recovered energy charges in FY 2016-17 due to shortfall in generation. The breakup of actual generation vis-à-vis Design Energy is tabulated below:

S.No. 1	Month 2	Design Energy (MU) 3	Actual energy at GT (MU) 4	Shortfall/ Excess 5=4-3	Actual PAF (%) 7
1	Apr-16	80.54	63.56	-16.985	101.80
2	May-16	155.31	140.92	-14.395	96.46
3	Jun-16	154.47	158.42	3.95	96.67
4	Jul-16	161.89	167.54	5.647	101.46
5	Aug-16	163.27	170.50	7.232	101.09
6	Sep-16	119.78	102.89	-16.891	101.10
7	Oct-16	78.79	52.42	-26.373	101.19
8	Nov-16	52.85	24.61	-28.241	101.22
9	Dec-16	38.05	17.80	-20.25	79.18
10	Jan-17	30.69	18.29	-12.399	76.32
11	Feb-17	24.75	0.00	-24.75	0.00
12	Mar-17	47.78	0.00	-47.78	0.00
Total		**1108.17**	**916.94**	**-191.24**	

(b) The total shortfall in generation during 2016-17 is 191.24 MU (1108.17 MU - 916.94 MU).

(c) Out of the total shortfall of 191.24 MU, shortfall of 74.98 MU was beyond the control of Petitioner while balance shortfall of 116.26 MU was not uncontrollable. Hence, as per Regulation 31(6)(a) of the 2014 Tariff Regulations, the shortfall of 74.98 MU needs to be recovered by the Petitioner during FY 2017-18. The details of the shortfall and reasons for the shortfall are

as under:

A. Shortfall due to reasons beyond the control of petitioner	
Energy shortfall due to less inflow	-138.21MU
Energy shortfall due to excess inflow (there was excess generation)	68.50 MU
Silt flushing	-5.27 MU
Total (A)	**-74.98 MU**
B. Shortfall due to reasons within the control of petitioner	
Energy generated by depleting reservoir (grid requirements)	6.96 MU
Less generation for increasing reservoir (grid requirements)	-12.11 MU
Unit outage including complete shutdown of powerhouse from 1.2.2017 to 31.3.2017 for inspection/ repair work of HRT and due to maintaining of reservoir at MDDL level for carrying out restoration work of damaged portion of Chamba-Bharmour road.	-94.03 MU
Other constraints (Partial load/ ramping up, down during peaking)	-17.07 MU
Total (B)	**-116.26 MU**
Grand total (A+B)	**-191.24 MU**

(d) The present submission for recovery of energy charges for the FY 2016-17 is based on the energy charge allowed for the FY 2013-14 vide order dated 24.03.2015 in petition no. 26/GT/2013 as under:

Schedule Energy (Ex-Bus) (MU)	Free Energy (MU)	Net Energy Billed (MU)	ECR (Rs/Unit)	Annual Fixed Charges (crore)	Energy Charges to be recovered (crore)	Energy Charges actually recovered (crore)	Under recovery of Energy (crore)
1	**2**	**3=1-2**	**4**	**5**	**6=50% of 5**	**7=3*4/10**	**8=7-6**
892.76	116.04	776.72	2.123	404.52	202.26	164.90	-37.36

(e) As out of the total loss of 191.24 MU, the loss of 116.26 MU was not uncontrollable, shortfall of energy charges amounting to Rs. 14.65 crore corresponding to 74.98 MU only may be allowed, which was due to reasons beyond the control of the Petitioner. Details are as under:

Total Shortfall in generation during FY 2016-17	A	191.24 MU
Total under- recovery of energy charges during FY 2016-17	B	37.36 crore

Shortfall in generation due to reasons beyond control	D	74.98 MU
Shortfall in energy charges to be recovered during FY 2017-18	E=D*B/A	**14.65 crore**

(f) Under prevailing mechanism of Regulation 31(6) of the 2014 Tariff Regulations, the Petitioner is not in a position to recover the shortfall allowed by CERC. For example, in case of order dated 17.04.2017 in petition no. 251/MP/2015 for Chamera-III Power station for FY 2014-15, the petitioner could only recover Rs. 14.92 crore against allowed recovery of Rs. 19.04 crore The above situation is applicable in the instant case also.

(g) Further, CEA and CWC were requested to certify the actual inflow data but vide letter dated 31.01.2017, they have expressed inability to certify the inflow series on year to year basis as under:

> "*The hydrological uncertainties on year to year basis are part of the planning process which can be assessed from the departure of the annual rainfall from the normal. Further the consistency of inflow series of the project can be carried out using relevant hydro-meteorological data for longer period such as more than 5 years. In view of the above it may not be possible to certify the inflow series as requested vide above referred letter.*"

5. The matter was heard on 9.1.2019 and the Commission after hearing the parties admitted the petition and directed to submit additional information vide technical validation letter dated 29.11.2018 as under:

> *(a) Rainfall data for the year 2016-17 reported by Indian Metrological Department for the district in which the plant is situated and for the adjoining districts.*
>
> *(b) Planned and forced machine outage data certified by CEA/NRLDC and its correlation with energy generation data vizaviz available average inflows during the period of such outage.*

6. In compliance with the above directions, the Petitioner has submitted the additional information vide affidavit dated 04.01.2019 and has served the copies of the same to the respondents.

Reply of UPPCL, Respondent No. 4

7. In response to above, the Respondent No. 4, UPPCL vide its affidavit dated 24.05.2018, has submitted as under:

(a) The petitioner has demanded that the compensation for shortfall in generation has to be on rolling basis i.e. energy charges for 2017-18 = (Energy charges for 2017-18 – Loss in energy charges in 2017-18) + Loss in 2016-17. Therefore, loss in energy charges in 2016-17 is proposed to be carried forward in 2017-18.

(b) The recovery of shortfall in energy charges must be done in the years when the actual generation is greater than Design Energy rather than carrying forward it to the next years.

(c) The Commission may base the instant case on that of Tehri HEP where the prayer of THDC (the Petitioner therein) to reduce NAPAF from 77% to 74.408% on account of conditions beyond control for period 17.12.2010 to 28.01.2011 was dismissed by the Commission vide order dated 11.12.2013 in petition no. 220/MP/2011.

(d) The Petitioner may clarify the method and reasons for classification of controllable and uncontrollable factors and also why silt flushing has been considered as an uncontrollable factor.

Rejoinder of the Petitioner to reply of UPPCL

8. In response to the Respondent UPPCL, NHPC vide its affidavit dated 14.08.2018 has submitted as under:

(a) The claim of the Respondent that recovery of shortfall in Energy charges must be done in the years when the actual generation is greater than Design Energy rather than carrying it forward to the next years is not in accordance to the provisions of Regulation 31(6) of the 2014 Tariff Regulations.

(b) The claim of the Respondent to take into consideration the case of Tehri HEP in this case is irrelevant as the case of Tehri HEP was for relaxation of NAPAF whereas the present petition is for recovery of shortfall of energy charges.

Reply of Respondent No. 3, BSES Rajdhani Power Limited (BRPL)

9. The Respondent BRPL vide its affidavit dated 07.01.2019 has submitted as under:

(a) Recoupment of under-recovered energy charges due to shortfall in energy generation and also the treatment by way of modification in the Design Energy for the year following the year of energy shortfall amounts to double benefits.

(b) Perusal of Annexure-II of the petition related to the analysis on daily flows shows that the data is of the Petitioner and has not been vetted by an independent agency. This Annexure also shows that during the months of May to August 2016, there have been huge spillage which has not been managed and if this spillage had been managed properly it would have resulted in the generation of 5.544x123=681.912 MU as against the actual generation of 636.46 MU achieved by the Petitioner during May to August 2016. It may also be noted from this Annexure that there was complete shutdown of the generating station from 1.02.2017 to 31.3.2017 for inspection/ repair work of HRT and the loss computed during this period is only 94.03 MU as against the maximum generation loss of 5.544x59=327.096 MU as during this period also there has been large spillage.

(c) Thus, Petitioner has under-estimated the energy loss which is within its control and also has not been able to optimize generation during the months of May 2016 to August 2016 when there has been huge spillage. Details such as Max. Reservoir level and Minimum draw down level along with the daily reservoir levels have not been furnished. All this clearly show that the shortfall in energy generation was for reasons attributable to the Petitioner. Accordingly, the request of the Petitioner for recovery on account of shortfall as compared to Design Energy is liable to be rejected by the Commission.

(d) The generating station had an excess of 12.64 MU beyond scheduled energy (which includes free energy). Petitioner, NHPC would have sold this energy in the market resulting in revenue to the power station and this comes out to be approx. Rs. 3.26 crore as computed in table below:

MU generated	A	916.4
Normative Aux	B	1.2%
MU generated Net of Aux	C=A*(100%B)	905.40
MU scheduled by station	D	892.8
Unscheduled MU by the station	E=C-D	12.64
IEX prices of Northern region for FY16-17 (in Rs.)	F	2.58
Amount recovered for Unscheduled energy (Rs. crore)	G=E*F/10	3.26

(e) The respondent BRPL has submitted that by selling unscheduled energy, the Petitioner has already recovered the amount which they are claiming as a loss due to shortfall.

(f) Besides the certification of the inflow series, the petitioner is also required certification from the regional statutory bodies in the Northern region that the shortfall as claimed is not related on account which are within the control of the petitioner. However, it is noted from the petition that NRPC and NRLDC have not even been included as respondents in the petition.

Rejoinder of NHPC to reply of BRPL

10. In response to the respondent BRPL, NHPC vide its affidavit dated 14.02.2019 has submitted as under:

(a) The recovery of AFC in case of hydro power projects are in two parts on 50:50 basis. The recovery of 50% of AFC is entirely dependent upon generation up to Design Energy and in case of shortfall in generation, the generating company is bound to lose revenue. In case of Chamera-III Power Station in FY 2016-17, the total shortfall in generation was 191.24 MU and loss of energy charges was Rs. 37.36 crore. The Regulation 6(a), 6(b) & 6(c) of the 2014 Tariff Regulations lays down the methodology for recovery of shortfall in case of generating station that has life more or less than 10 years. In view of above, the comments of respondent are not in order and hence should not be considered.

(b) The understanding of the Respondent (BRPL) on recovery mechanism defined in clause 31(6) is not correct. There is no case of double benefit under

this recovery mechanism. In fact, the Petitioner is recovering loss of energy charges of FY 2016-17 in next financial year i.e. FY 2017-18. The modification in Design Energy of FY 2017-18 for recovery of losses in FY 2016-17 is as per procedure defined in regulation 31(6).

(c) The delay in submission of the Petition is due to time taken in compilation of data and its verification/ certification by external agencies like CEA/ CWC/ RLDC.

(d) As regards statement of BRPL that the data submitted by the Petitioner has not been vetted by any independent agency, it has already stated that CEA/ CWC have denied certification of daily discharge data due to non-availability of discharge gauge at specific location.

(e) The respondent has commented on operational conditions of the project causing loss in Design Energy. The necessary clarification is as under:

i. In case given discharge is beyond reservoir capacity the spillage of water is bound to occur and Generation Company has no control over it.

ii. Similarly, in case of high siltation during monsoon season, the flushing of silt is necessary to maintain the pondage capacity of reservoir. In this process reservoir level is depleted after silt flushing process and the level is again maintained. In this process generation loss is there which is beyond the control of generating station.

iii. Chamera-III Power Station was under complete shutdown from 01.02.2017 to 31.03.2017 for inspection/ repair of HRT and reasons are within control. As the shutdown was planned during lean season, loss of design generation during shutdown is 94.03 MU against 327.096 MU calculated by respondent.

(f) As per allocation letter issue by MoP, full power is allotted to different beneficiaries of Chamera-III Power Station except 13% free power to home state. In view of above, Chamera-III Power Station has no free power to be sold under market/ exchange for recovery of additional revenue. The indicated generation (ex-bus) of 12.64 MU is unscheduled energy generated as per grid requirement under CERC (Deviation Settlement Mechanism and Related Matter) Regulation, 2014.

(g) Northern Regional power Committee (NRPC) and NRLDC are the nodal agencies for regulation of power in the region. They are not supposed to certify the data related with loss of generation. As the above agencies have no share allocation from the generating station and as per definition of beneficiary in the 2014 Tariff Regulations, they are not beneficiaries of power station and, therefore, are not made respondent in the instant petition.

(h) It is also clarified that spillage of water and shortfall in generation may occur in any financial year when the discharge is not in line with hydrology considered in Design Energy.

(i) In case of heavy rain in a short span of time, the spillage of water cannot be stopped due to limited capacity of reservoir, whereas deficient discharge in other time will cause loss of design generation.

Reply of PSPCL, Respondent No. 1

11. The Respondent No. 1, PSPCL vide its affidavit dated 13.04.2019 has submitted as under:

(a) The Petitioner has claimed for recovery on account of shortfall in generation for 74.98 MU while stating that the same is on account of reasons which were beyond the control of the Petitioner. However, the Petitioner has not provided any details as to what were the reasons which were beyond the control of the Petitioner. Reasons given by the Petitioner for shortfall in generation such as silt flushing and less inflow from design inflow, are vague. The Petitioner has produced no documentary evidence for any of the aspects raised by it.

(b) With respect to the loss on account of silt flushing, it is submitted that as a hydropower generator, the Petitioner ought to have planned for such circumstances. Silt flushing is a foreseeable event which keeps on happening with hydropower projects and it cannot be considered as being beyond the control of the Petitioner. The Petitioner being a hydropower generator, should know how to make arrangements in such circumstances. Therefore, the

Petitioner ought not to be given any relief on account of reservoir flushing and high silt.

(c) The actual inflow cannot always be the same as the design inflow. On some days the actual inflow will be less and on other days, it will be more than the design inflow. The Petitioner cannot possibly ask for recovery of energy charges on account of loss of generation every time the actual inflow is less than the design inflow. As a hydropower generator, the Petitioner ought to be aware that the quantum of inflow is not constant. This is not an unforeseen event at all or an event beyond the control of the Petitioner. The Petitioner being in the business of generation of hydropower ought to have been aware of this. Therefore, the Petitioner has no basis for claiming relief by citing the loss of generation on account of less inflow.

(d) Regulation 31(6) of the 2014 Tariff Regulations specifically states that the treatment under Regulation 31(6)(a) shall be applied only when the total energy generated is less than the design energy due to reasons beyond the control of the hydro generating station. The reasons furnished by the Petitioner cannot be said to be 'beyond the control' of the Petitioner. The Petitioner could have made arrangements to deal with the aspect of silt flushing. As regards less inflow, this is a common event for a hydropower generator and, therefore, it is not something that the Petitioner could not have foreseen at the time of designing the project.

(e) The Petitioner has placed on record the letter dated 23.01.2017 of the Central Water Commission ("CWC"), [Pages 73-74 of petition], whereby CWC has expressed its inability to certify the inflow series on year to year basis. Therefore, the CWC has taken the position that the hydrological uncertainties are part of the planning process and are to the account of the generator. By no stretch of imagination is the letter dated 23.01.2017 a proof of the Petitioner's claim that the recovery sought due to the shortfall in generation is for reasons beyond the control of the Petitioner. In fact, the letter states to the contrary.

Analysis and Decision

12. We note that the Design Energy of the instant generating station is 1108.17 MU. During the FY 2016-17, there was a shortfall of 191.24 MU in generation from the instant generating station. Of this shortfall, the Petitioner has claimed that 74.98 MU was beyond its control while balance of 116.26 MU has not been claimed by the Petitioner. The Petitioner has invoked provisions of Regulation 31(6)(a) of the 2014 Tariff Regulations to claim relief for the shortfall of 74.98 MU.

13. The break-up of unclaimed loss (116.26 MU) by the Petitioner is as under:

(a) Additional energy generated by depleting reservoir (grid requirements): 6.96 MU

(b) Shortfall in generation for increasing reservoir (grid requirements): (-) 12.11 MU

(c) Shortfall in generation due to unit outage including complete shutdown of powerhouse from 1.2.2017 to 31.3.2017 for inspection/ repair work of HRT and due to maintaining of reservoir at MDDL level for carrying out restoration work of damaged portion of Chamba-Bharmour road: (-) 94.03 MU.

(d) Other constraints (Partial Load/ramping up, down during peaking)

14. The break-up of claimed loss (74.98 MU) by the Petitioner on account of uncontrollable factors is as under:

(a) Energy shortfall due to less inflow: (-) 138.21 MU

(b) Energy gain due to excess inflow: 68.50 MU

(c) Energy shortfall due to silt flushing: (-) 5.27 MU

15. The Respondent, UPPCL has submitted that recovery of shortfall in energy charges must be done in the years when the actual generation is greater than Design Energy rather than carrying forward it to the next years. In our view, this suggestion of the Respondent is against the provisions of the 2014 Tariff Regulations and cannot be considered. Another suggestion of the Respondent, UPPCL as regards considering

the instant petition on basis of our order dated 11.12.2013 in Petition no. 220/MP/2011, is not relevant in the present case as that order related to prayer for reduction in NAPAF, while present petition is for relief on account of shortfall in generation on account of uncontrollable factors and is covered under provisions of Regulation 31(6)(a) of the 2014 Tariff Regulations.

16. Respondents have raised the issue that recoupment of under-recovered energy charges due to shortfall in energy generation and also the treatment by way of modification in the Design Energy for the year following the year of energy shortfall amounts to double benefits. The Petitioner has stated that there is no case of double benefit and claimed relief is covered under provisions of the 2014 Tariff Regulations. The Respondents has in effect challenged the provisions of the Regulations and the same is not permitted through this Petition.

17. The calculation of the Design Energy using daily average flows of the design year and by using the following technical parameters is enclosed as Annexure-I:

Design head: 200 M,
Design flow: 128.1 cumecs,
Overall efficiency: 92%,
Plant capacity: 231 MW.

18. Respondents have pointed out that the Petitioner has not been able to utilise the full potential of the inflows, especially during May-August 2016 as there was lot of spillage as observed from the 365 days data as submitted by the Petitioner in the main petition. This proposition is misconceived since the capacity of the reservoir is limited and in the instant case, as per technical parameters whenever the inflows are more than the design inflow i.e. 128.1 cumecs, spillage is bound to occur. The full potential of the incoming flows (if less than 128.1 cumecs) need to be utilized by the generating station without spillage. From the scrutiny of the 365 days data as submitted by the

Petitioner, we observe that the spillage has occurred only on the days where the available inflows after accounting for the mandatory release is more than the design inflow of 128.1 cumecs. Therefore, we do not agree to the contention of the Respondents that the Petitioner has not been able to utilize the full potential of the inflows and that the Petitioner has allowed water to spill over.

19. Further, spillage data has also been analysed for two months of February and March 2017. These being lean months, the available inflows are much less than the design inflow and as such spillage should not have occurred. However, from the submissions of the Petitioner, it is observed that during these months the plant was under complete shutdown for repair work of HRT and the Petitioner has owned the responsibility of energy lost by stating that energy loss on account of shutdown was not an uncontrollable factor. As such, the Petitioner has not claimed the corresponding energy charge that was lost due to spillage which occurred during these two months.

20. Some of the Respondents have submitted that the data submitted by the Petitioner has not been verified by any independent agency. In order to satisfy ourselves, further analysis has been carried in the following paragraphs to ascertain reasonability of the claim of the Petitioner which also includes whether the Petitioner has been able to utilize the full potential of available actual inflows.

21. Low generation in comparison to Design Energy in a hydro generating station can be attributable to the following reasons:

(i) Low inflows in comparison to the design inflows associated with design year.

(ii) Prolonged planned/ forced outage of machines.

(iii) Inefficient operation of the plant which may include low overall efficiency of turbine and generator, high auxiliary power consumption, high losses in water conductor system etc.

(iv) Non-utilization of maximum power potential of actual inflows due to excessive spillage.

We analyse each of the above reasons in respect of the present claim of the Petitioner.

(i) Low inflows in comparison to the design inflows associated with design year.

22. The Petitioner was directed to submit IMD rainfall data to correlate low inflows vide ROP dated 11.01.2019. Further, the Petitioner was directed to get the inflow data verified from CEA/ CWC. With regard to the certification of the inflow data by CEA/ CWC, the Petitioner has enclosed a letter from CWC dated 31.03.2017 where CWC had categorically mentioned its inability to certify the inflow data in respect of the generating station of the Petitioner. As such, in absence of certified data by CEA/ CWC, we would have to rely upon the IMD data for the year 2016-17 and on the fact that prolonged outages (planned or forced) were not the reason of low generation in comparison to Design Energy:

23. The rainfall data issued by the Indian Metrological Department (IMD) in respect of Chamba district for the years 2016 and 2017 is given below:

Year	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec
2016	22.7	58.9	223.7	55.6	88.8	83.6	209.5	274.7	34.8	8.5	0	0.9
2017	187.9	88.3	76.1	105.2	75.7	130.7	277.9	196.8	90.2	0	2.3	69

Note: The District Rainfall in millimeters (R/F) shown below are the arithmetic averages of Rainfall of Stations under the District.

Year	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec
2016	-82	-48	86	9	66	-37	-63	-43	-85	-83	-100	-98
2017	49	-22	-37	106	42	-1	-51	-59	-60	-100	-89	23

Note: % Dep, are the departures of rainfall from the long period averages of rainfall for the district.

24. As per India Meteorological Department (IMD), which is the central agency that records and archives rainfall data in India.

> *When the rainfall for the monsoon season of June to September for the country as a whole is within 10% of its long period average, it is categorized as a "Normal" monsoon. It is categorized as "Excess" monsoon, if it is above 110 % of long period average and "Deficient", if it is below 90% of long period average. The performance of monsoon rainfall over smaller areas of the country is monitored by evaluating the departures from the normal for each meteorological sub-division and district. The rainfall is classified as excess, normal deficient or scanty as per the following criteria. Excess +20% of normal or more, 'Normal: + 19% to -19% of normal, Deficient -20% to -59% of normal, Scanty: -60 % of normal or less*
> *The 'monthly normal' rainfall of a station was calculated using all the available data during the period 1941-1990. (In the Statistical Abstract, India 2004 this period was 1901-1970). (The monthly "normal rainfall" of the sub-division is the mean of monthly normal rainfall of the corresponding stations and "annual normal rainfall " is the sum of the monthly normal rainfall for all the 12 months.*

25. Thus, correlating the definitions of normal rainfall, long period averages and the above tabulated rainfall data as per IMD reports, it is noticed that the data indicates low rainfall in comparison to long period averages.

(ii) Prolonged planned/ forced outage of machines

26. In order to rule out the prolonged planned/ forced outage of machines, their impact on energy generation and in order to understand whether outage of a machine in anyway affected the energy generation by non-utilization of available water flow, the Commission vide technical validation letter dated 29.11.2018 had directed the Petitioner to furnish the planned and forced outage data for the year 2016-17 along with its correlation with energy generation. In response, the Petitioner vide affidavit dated 09.01.2019 has submitted that there have been 61 instances of forced outages and planned outages during the year 2016-17. We note that out of this 61 outages as reported by the Petitioner, 59 instances pertain to the months of February and March 2017 during which the plant was under planned shutdown for carrying out repair work of HRT. In order to estimate energy shortfall due to forced outages and planned outages, calculations have been made and enclosed as Annexure-II to this order.

Based on these calculations, the results in respect to the 61 cases are summarized as under:

a) For the two instances of forced outages for few machine hours i.e. on 27.6.2016 and 13.7.2016, the actual generation was 10.93 MU for these two days in comparison to design energy of 10.18 MU. However, maximum energy potential of the actual inflows for these two days has been worked out as 11.09 MU. As such, forced outage of few machine hours during these days has resulted in shortfall of 0.16 MU in comparison to the maximum potential of the actual inflows. It is observed that the Petitioner has put this shortfall under the list of "energy shortfall due to reasons within the control of the petitioner". This energy loss of 0.16 MU being insignificant, we do not find any need to deal with it further.

b) For the remaining 59 instances (the two months of Feb 2017 and March 2017) during which there was complete shutdown of the plant for repair work of HRT, the actual generation was nil. As such, in comparison to Design Energy of 72.53 MU for these days, the energy shortfall works out to 72.53 MU. However, based on actual inflows, it is observed from the enclosed calculations that by utilising the 100%unit capacities, energy generation of 91.20 MU was possible.

27. The final position with respect to planned outages of the plant:

	Design Energy (MU) (a)	Maximum possible generation at GT with available inflows without outages and with use of installed capacity during high inflow period (MU) (b)	Actual Generation (MU) (c)	Shortfall w.r.t to DE (d)=(c)-(a)	Shortfall w.r.t to maximum possible generation (e)=(c)-(b) (MU)
59 instances of planned outage	72.53	91.20	0	(-)72.53	(-)91.20

28. We note that the Petitioner has claimed shortfall of 94.03 million as attributable to it due to forced/ planned outage and this includes the energy lost during the month of February and March 2017, whereas our calculation as given in the previous paragraph shows that the shortfall is 91.20 MU. We note that this difference between

94.03 MU (stated by the Petitioner) and 91.20 MU (as per our calculation), is on account of curtailment in generation for repair works of Chamba road during the period from 17.5.2016 to 24.5.2016. In view of this, we do not find a case of over-claim on this count by the Petitioner as alleged by the Respondents. We will use the figure of 94.03 MU for further calculations in this Order.

(iii) & (iv) Inefficient operation of the plant and non-utilization of maximum power potential of actual inflows due to excessive spillage

29. In order to assess maximum possible annual generation with available actual inflows as submitted by the Petitioner, calculations have been made and are enclosed as Annexure-III to this order. These calculations indicate that with the available actual inflows, maximum possible generation utilising 100% machine capability should have been 1037.40 MU. For this purpose, the plant capacity of 231 MW, design head of 200 M, overall efficiency of 92% and design flow of 128.1 cumecs have been considered in line with the values used to arrive at the Design Energy. However, the Petitioner in its calculations has assessed the same to be 1038.46 MU. This marginal difference is due to adoption of different methodology and rounding off errors. The figure of 1038.46 MU being on higher side (as calculated by petitioner) is being adopted for further analysis.

30. Based on the above calculations and after accounting for the reasons of shortfalls which were beyond the control of the Petitioner and the reasons which the Petitioner has attributed to itself, following has been worked out to assess the possible generation at generator terminal against the actual generation of 916.40 MU:

a) Possible generation at generator terminal after accounting for the reasons beyond the control of the petitioner:

1.	Energy that could have been generated by utilizing available actual inflows and 100% machine capacity i.e. 231 MW	1038.46 MU
2.	Energy lost due to plant stoppage due to Silt	5.27*(MU)
3.	Remaining Energy that could be generated	**1033.19** (MU)

* In our view the stoppage and the consequent loss of energy to prevent the damage due to high silt level is beyond the control of the generator. Further, considering the fact that the calculation of Design Energy of the plant based on the hydrological series does not take into account the energy lost due to stoppage of plant due to high silt levels, we are of the view that the generator needs to be compensated for that.

b) Possible energy generation at generator terminal after accounting for the reasons within the control of the Petitioner as claimed by the Petitioner:

Sl. No		Based on actual available flow at 100% machine capacity
1.	Remaining Energy that could be generated after taking into account reasons beyond control (MU)	1033.19
2.	Energy loss due to Unit outages (MU)	-94.03
3.	Energy loss due to Grid requirements (MU)	-5.15
4.	Other constraints (Partial ramping up/ down during peaking) (MU)	-17.07
	Remaining Energy that could be generated (MU)	**916.94**

31. In view of the above calculations and the fact that actual generation of the generating station was 916.94 MU is in agreement with the theoretical calculations, it is held that Petitioner has been able to generate according to the actual inflows after accounting for the reasons under its control and reasons beyond its control. Accordingly, the Petitioner cannot be faulted with inefficient operation of the plant and non-utilization of maximum power potential of actual inflows or excessive spillage. In our view, lower generation in comparison to Design Energy was due to reasons not under the control of the petitioner i.e. low inflows, energy lost due plant stoppage during incidence of high silt and other stated reasons i.e. energy loss due to Unit outages, energy loss due to grid requirements, other constraints (partial ramping up/ down during peaking) for which the Petitioner has taken the responsibility by putting them under the list of reasons within the control.

32. In light of above deliberations, Commission is of the view that the Petitioner is entitled to be compensated to the extent of energy shortfall occurred due to reasons which were not under the control of the Petitioner, which works out to 74.98 MU (1108.17 - 1033.19) i.e. the difference between Design Energy and the maximum possible generation after accounting for the reasons of shortfall beyond the control of the Petitioner.

33. Respondent BRPL has submitted that the generating station had an excess of 12.64 MU beyond scheduled energy and Petitioner NHPC would have sold this energy in the market resulting in revenue to the power station (approx. Rs. 3.26 crore). In our view, the stated energy of 12.64 MU being sold in market is ill-conceived since NHPC has stated that as per allocation letter issue by MoP, full power is allotted to different beneficiaries of Chamera-III Power Station (except 13% free power to Home State). Thus, Chamera-III Power Station has no free power to be sold in power exchange for recovery of additional revenue. This energy generated above the scheduled energy is accounted for in the DSM and is governed by provisions of DSM Regulations, 2014.

34. In view of the above deliberations, energy charge shortfall amount worked out as follows:

Schedule Energy (Ex-Bus) (MU)	**Free Energy (MU)**	**Net Energy Billed (MU)**	**ECR (Rs/Un**	**Annual Fixed Charges (crore)**	**Energy Charges to be recovered (crore)**	**Energy Charges actually recovered (crore)**	**Under recovery of Energy (crore)**
1	**2**	**3=1-2**	**4**	**5**	**6=50% of 5**	**7=3*4/10**	**8=7-6**
892.76	116.04	776.72	2.123	404.52	202.26	164.90	-37.36

35. Therefore, the amount to be recovered in the FY 2017-18 due to shortfall in energy generation from the Design Energy during 2016-17 works out as follows:

Total Shortfall in generation during FY 2016-17	A	191.24MU
Total under recovery of energy charges during FY 2016-17 (Rs.)	B	37.36
Shortfall in generation due to reasons beyond control	C	74.98 MU
Shortfall in energy charges to be recovered during FY 2017-18	D=C*B/A	**Rs. 14.65 crore**

36. Accordingly, in terms of Regulation 31(6)(a) and 31(6)(c) of the 2014 Tariff Regulations, we decide that the Design Energy for the year 2017-18 is 916.94 MU till the energy charge shortfall of Rs. 14.65 Crore for the period 2016-17 is made up by the petitioner by revision of energy bills for the period 2017-18. Further, the difference in energy charge shortfall to be recovered for the year 2016-17 which may arise after the true-up of tariff for the period 2014-19 shall be recovered directly by the generating station from beneficiaries through supplementary bills after true-up.

37. Petition No. 141/MP/2018 is disposed of in terms of above.

Sd/-	Sd/-	Sd/-
(I S Jha)	**(Dr. M.K. Iyer)**	**(P. K. Pujari)**
Member	**Member**	**Chairperson**

Annexure-I

Chamera - III	Calculation of Design energy & Actual generation based on actual inflows for the year 2016-17			
Petition No	**141/MP/2018**			
	Capacity 77*3	**231 MW**	Design head	**200 Meter**
	Design discharge	**128.1 Cumecs**	Overall effeciency	**92%**
	Actual Generation at GT (2016-17)		**916.94 MU**	

		No of days	Average Design inlow available (Cumecs)	**Power (MW) Design flow**	**Power limited to 95% of 231(MW)**	**DE based on Design flow (MU)**
				P=(ρ*g*H*Q*η)/ 1000		**DE= (P*24*Days) /1000**
April	I	10	44.8	80.87	80.87	19.41
	II	10	64.9	117.15	117.15	28.12
	III	10	76.2	137.54	137.54	33.01
May	I	10	103.2	186.28	186.28	44.71
	II	10	182.1	328.70	219.45	52.67
	III	11	162.1	292.60	219.45	57.93
June	I	10	188.9	340.97	219.45	52.67
	II	10	132.4	238.99	219.45	52.67
	III	10	113.4	204.69	204.69	49.13
July	I	10	118.4	213.72	213.72	51.29
	II	10	138.6	250.18	219.45	52.67
	III	11	211.1	381.04	219.45	57.93
August	I	10	146.3	264.08	219.45	52.67
	II	10	124.04	223.90	219.45	52.67
	III	11	135.6	244.76	219.45	57.93
September	I	10	107.5	194.04	194.04	46.57
	II	10	90.3	163.00	163.00	39.12
	III	10	78.7	142.06	142.06	34.09
October	I	10	68.4	123.46	123.46	29.63
	II	10	57.6	103.97	103.97	24.95
	III	11	50.8	91.70	91.70	24.21
November	I	10	45.4	81.95	81.95	19.67
	II	10	41.3	74.55	74.55	17.89
	III	10	35.3	63.72	63.72	15.29
December	I	10	31.7	57.22	57.22	13.73
	II	10	29.3	52.89	52.89	12.69
	III	11	24.4	44.04	44.04	11.63
January	I	10	25.6	46.21	46.21	11.09
	II	10	22.7	40.97	40.97	9.83
	III	11	20.5	37.00	37.00	9.77
February	I	10	21.1	38.09	38.09	9.14
	II	10	21.3	38.45	38.45	9.23
	III	8	18.4	33.21	33.21	6.38
March	I	10	22.4	40.43	40.43	9.70
	II	10	36.2	65.34	65.34	15.68
	III	11	47	84.84	84.84	22.40
						1108.17

Corelation of Planned/Forced machine outage data with energy generation data vis-avis available inflow during the period of such outage

Annexure-II

DATE	Design Inflow (Cumecs)	Mandatory Downstrea m Release (Cumecs)	Design Inflow available for Generatio n (Cumecs)	Design Energy (MU)	Actual Inflow Available (Cumecs)	Mandatory Downstrea m Release (Cumecs)	Actual Inflow Available for Generation (Cumecs)	Spillage (Cumecs)	Maximum possible generation based on actual Inflow available (MU)	Actual Generation at GT (MU)	Energy shortfall (MU)	Shortfall Beyond control of Power Station	Reasons	Shortfall Within control of Power Station	Reasons	Forced/Planned Outages	Corelation
27-06-16	113.4	0	113.4	4.9	160.64	2.85	157.79	19.01	5.54	5.56	0.64	0.63	`	0.01	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	U#3 (00:39 HRS - 01:11 HRS) UNDER FO DUE TO CHOCKING OF PRIMARY COOLING SYSTEM FILTERS.	(1) There is no energy shortfall on this day
13-07-16	138.6	0	138.6	5.3	201.07	2.85	198.22	60.47	5.54	5.37	0.10	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.17	OTHER CONSTRAINTS	{U#1(15:58 HRS - 16:51 HRS); U#2 (15:58 HRS - 17:15 HRS); U#3 (15:58 HRS - 17:22 HRS); LINE-1 (15:58 HRS - 16:22 HRS) & LINE-2 (15:58 HRS - 16:22 HRS)} UNDER FO DUE TO FAILURE OF DIGITAL INPUT MODULE.	(1) There is no energy shortfall on this day
				10.18					11.09	10.93			0.16	-0.16			
01-02-17	21.1	0	21.1	0.9	46.16	2.85	43.31	39.26	1.87	0.00	-0.91	0.96	EXCESS INFLOW FROM DESIGN INFLOW	-1.87	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPETELE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.87MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
02-02-17	21.1	0	21.1	0.9	36.39	2.85	33.54	28.2	1.45	0.00	-0.91	0.54	EXCESS INFLOW FROM DESIGN INFLOW	-1.45	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPETELE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.45MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
03-02-17	21.1	0	21.1	0.9	39.97	2.85	37.12	32.31	1.61	0.00	-0.91	0.69	EXCESS INFLOW FROM DESIGN INFLOW	-1.61	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPETELE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.61MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
04-02-17	21.1	0	21.1	0.9	33.34	2.85	30.49	25.78	1.32	0.00	-0.91	0.41	EXCESS INFLOW FROM DESIGN INFLOW	-1.32	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPETELE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.32MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
05-02-17	21.1	0	21.1	0.9	42.37	2.85	39.52	33.2	1.71	0.00	-0.91	0.80	EXCESS INFLOW FROM DESIGN INFLOW	-1.71	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.71MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
06-02-17	21.1	0	21.1	0.9	45.72	2.85	42.87	37.13	1.86	0.00	-0.91	0.94	EXCESS INFLOW FROM DESIGN INFLOW	-1.86	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.86MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
07-02-17	21.1	0	21.1	0.9	41.56	2.85	38.71	35.41	1.68	0.00	-0.91	0.76	EXCESS INFLOW FROM DESIGN INFLOW	-1.68	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.68MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
08-02-17	21.1	0	21.1	0.9	32.00	2.85	29.15	25.77	1.26	0.00	-0.91	0.35	EXCESS INFLOW FROM DESIGN INFLOW	-1.26	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.26MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
09-02-17	21.1	0	21.1	0.9	33.30	2.85	30.45	26.91	1.32	0.00	-0.91	0.40	EXCESS INFLOW FROM DESIGN INFLOW	-1.32	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.32MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
10-02-17	21.1	0	21.1	0.9	30.28	2.85	27.43	22.82	1.19	0.00	-0.91	0.27	EXCESS INFLOW FROM DESIGN INFLOW	-1.19	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.19MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
11-02-17	21.3	0	21.3	0.9	30.69	2.85	27.84	28.65	1.20	0.00	-0.92	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-1.20	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.2MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
12-02-17	21.3	0	21.3	0.9	31.25	2.85	28.40	24.22	1.23	0.00	-0.92	0.31	EXCESS INFLOW FROM DESIGN INFLOW	-1.23	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.23MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
13-02-17	21.3	0	21.3	0.9	45.17	2.85	42.32	39.09	1.83	0.00	-0.92	0.91	EXCESS INFLOW FROM DESIGN INFLOW	-1.83	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.83MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt

14-02-17	21.3	0	21.3	0.9	38.45	2.85	35.60	31.71	1.54	0.00	-0.92	0.62	EXCESS INFLOW FROM DESIGN INFLOW	-1.54	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.54MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
15-02-17	21.3	0	21.3	0.9	30.54	2.85	27.69	23.09	1.20	0.00	-0.92	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-1.20	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.2MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
16-02-17	21.3	0	21.3	0.9	27.86	2.85	25.01	19.9	1.08	0.00	-0.92	0.16	EXCESS INFLOW FROM DESIGN INFLOW	-1.08	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.08MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
17-02-17	21.3	0	21.3	0.9	41.11	2.85	38.26	34.76	1.66	0.00	-0.92	0.73	EXCESS INFLOW FROM DESIGN INFLOW	-1.66	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.66MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
18-02-17	21.3	0	21.3	0.9	51.16	2.85	48.31	43.98	2.09	0.00	-0.92	1.17	EXCESS INFLOW FROM DESIGN INFLOW	-2.09	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -2.09MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
19-02-17	21.3	0	21.3	0.9	44.59	2.85	41.74	37.92	1.81	0.00	-0.92	0.88	EXCESS INFLOW FROM DESIGN INFLOW	-1.81	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.81MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
20-02-17	21.3	0	21.3	0.9	39.88	2.85	37.03	34.62	1.60	0.00	-0.92	0.68	EXCESS INFLOW FROM DESIGN INFLOW	-1.60	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.6MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
21-02-17	18.4	0	18.4	0.8	41.06	2.85	38.21	34.5	1.65	0.00	-0.80	0.86	EXCESS INFLOW FROM DESIGN INFLOW	-1.65	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.65MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
22-02-17	18.4	0	18.4	0.8	45.15	2.85	42.30	36.54	1.83	0.00	-0.80	1.03	EXCESS INFLOW FROM DESIGN INFLOW	-1.83	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.83MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
23-02-17	18.4	0	18.4	0.8	35.71	2.85	32.86	27.02	1.42	0.00	-0.80	0.62	EXCESS INFLOW FROM DESIGN INFLOW	-1.42	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.42MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
24-02-17	18.4	0	18.4	0.8	31.83	2.85	28.98	22.51	1.25	0.00	-0.80	0.46	EXCESS INFLOW FROM DESIGN INFLOW	-1.25	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.25MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
25-02-17	18.4	0	18.4	0.8	52.84	2.85	49.99	44.16	2.16	0.00	-0.80	1.37	EXCESS INFLOW FROM DESIGN INFLOW	-2.16	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -2.16MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
26-02-17	18.4	0	18.4	0.8	40.79	2.85	37.94	31.72	1.64	0.00	-0.80	0.84	EXCESS INFLOW FROM DESIGN INFLOW	-1.64	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.64MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
27-02-17	18.4	0	18.4	0.8	34.12	2.85	31.27	27.4	1.35	0.00	-0.80	0.56	EXCESS INFLOW FROM DESIGN INFLOW	-1.35	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.35MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
28-02-17	18.4	0	18.4	0.8	33.38	2.85	30.53	28.88	1.32	0.00	-0.80	0.52	EXCESS INFLOW FROM DESIGN INFLOW	-1.32	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.32MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
01-03-17	22.4	0	22.4	1.0	35.09	2.85	32.24	28.84	1.40	0.00	-0.97	0.42	EXCESS INFLOW FROM DESIGN INFLOW	-1.40	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.4MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
02-03-17	22.4	0	22.4	1.0	38.24	2.85	35.39	32.38	1.53	0.00	-0.97	0.56	EXCESS INFLOW FROM DESIGN INFLOW	-1.53	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.53MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt

03-03-17	22.4	0	22.4	1.0	32.90	2.85	30.05	27.34	1.30	0.00	-0.97	0.33	EXCESS INFLOW FROM DESIGN INFLOW	-1.30	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.3MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
04-03-17	22.4	0	22.4	1.0	29.72	2.85	26.87	25.03	1.16	0.00	-0.97	0.19	EXCESS INFLOW FROM DESIGN INFLOW	-1.16	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	1. COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE. 2. {LINE-I (10:58 HRS - 18:32 HRS) & LINE-II (11:01 HRS - 18:32 HRS)} UNDER MO FOR TESTING OF LINES AND BUSBAR PROTECTION RELAYS.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.16MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
05-03-17	22.4	0	22.4	1.0	34.80	2.85	31.95	28.82	1.38	0.00	-0.97	0.41	EXCESS INFLOW FROM DESIGN INFLOW	-1.38	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.38MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
06-03-17	22.4	0	22.4	1.0	38.60	2.85	35.75	32.62	1.55	0.00	-0.97	0.58	EXCESS INFLOW FROM DESIGN INFLOW	-1.55	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.55MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
07-03-17	22.4	0	22.4	1.0	30.46	2.85	27.61	25.38	1.19	0.00	-0.97	0.22	EXCESS INFLOW FROM DESIGN INFLOW	-1.19	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.19MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
08-03-17	22.4	0	22.4	1.0	29.99	2.85	27.14	25.03	1.17	0.00	-0.97	0.20	EXCESS INFLOW FROM DESIGN INFLOW	-1.17	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.17MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
09-03-17	22.4	0	22.4	1.0	38.18	2.85	35.33	32.01	1.53	0.00	-0.97	0.56	EXCESS INFLOW FROM DESIGN INFLOW	-1.53	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.53MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
10-03-17	22.4	0	22.4	1.0	42.21	2.85	39.36	24.15	1.70	0.00	-0.97	0.73	EXCESS INFLOW FROM DESIGN INFLOW	-1.70	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -1.7MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
11-03-17	36.2	0	36.2	1.6	31.55	2.85	28.70	23.85	1.24	0.00	-1.57	-0.33	LESS INFLOW FROM DESIGN INFLOW	-1.24	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.33MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1.24MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
12-03-17	36.2	0	36.2	1.6	36.51	2.85	33.66	22.65	1.46	0.00	-1.57	-0.11	LESS INFLOW FROM DESIGN INFLOW	-1.46	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.11MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1.46MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
13-03-17	36.2	0	36.2	1.6	27.06	2.85	24.21	23.04	1.05	0.00	-1.57	-0.52	LESS INFLOW FROM DESIGN INFLOW	-1.05	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.52MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1.05MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
14-03-17	36.2	0	36.2	1.6	28.39	2.85	25.54	22.7	1.11	0.00	-1.57	-0.46	LESS INFLOW FROM DESIGN INFLOW	-1.11	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.46MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1.11MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
15-03-17	36.2	0	36.2	1.6	25.95	2.85	23.10	18.17	1.00	0.00	-1.57	-0.57	LESS INFLOW FROM DESIGN INFLOW	-1.00	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	1.COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.2.{LINE#1(06:03 HRS-06:50 HRS) & LINE#2(06:03 HRS-06:49 HRS)} UNDER FO DUE TO EARTH FAULT.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.57MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
16-03-17	36.2	0	36.2	1.6	31.10	2.85	28.25	21	1.22	0.00	-1.57	-0.35	LESS INFLOW FROM DESIGN INFLOW	-1.22	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.35MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1.22MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt

17-03-17	36.2	0	36.2	1.6	30.46	2.85	27.61	21	1.19	0.00	-1.57	-0.37	LESS INFLOW FROM DESIGN INFLOW	-1.19	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.37MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1.19MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
18-03-17	36.2	0	36.2	1.6	29.14	2.85	26.29	21.16	1.14	0.00	-1.57	-0.43	LESS INFLOW FROM DESIGN INFLOW	-1.14	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.43MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1.14MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
19-03-17	36.2	0	36.2	1.6	26.25	2.85	23.40	20.83	1.01	0.00	-1.57	-0.56	LESS INFLOW FROM DESIGN INFLOW	-1.01	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.56MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1.01MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
20-03-17	36.2	0	36.2	1.6	29.89	2.85	27.04	24.85	1.17	0.00	-1.57	-0.40	LESS INFLOW FROM DESIGN INFLOW	-1.17	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	1.COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE. 2. (LINE#1(15:10 HRS - 15:44 HRS) & LINE#2(15:50 HRS - 16:00 HRS)) UNDER PO SHUT DOWN TAKEN BY NRLDC (CODE 2020 & 2023)	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.4MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1.17MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
21-03-17	47	0	47	2.0	30.43	2.85	27.58	24.72	1.19	0.00	-2.04	-0.84	LESS INFLOW FROM DESIGN INFLOW	-1.19	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.84MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1.19MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
22-03-17	47	0	47	2.0	29.87	2.85	27.02	24.84	1.17	0.00	-2.04	-0.87	LESS INFLOW FROM DESIGN INFLOW	-1.17	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.87MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1.17MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
23-03-17	47	0	47	2.0	31.64	2.85	28.79	25.98	1.25	0.00	-2.04	-0.79	LESS INFLOW FROM DESIGN INFLOW	-1.25	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS; 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.79MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1.25MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
24-03-17	47	0	47	2.0	41.39	2.85	38.54	34.85	1.67	0.00	-2.04	-0.37	LESS INFLOW FROM DESIGN INFLOW	-1.67	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.37MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1.67MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
25-03-17	47	0	47	2.0	41.35	2.85	38.50	35.73	1.67	0.00	-2.04	-0.37	LESS INFLOW FROM DESIGN INFLOW	-1.67	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.37MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1.67MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
26-03-17	47	0	47	2.0	34.82	2.85	31.97	46.64	1.38	0.00	-2.04	-0.65	LESS INFLOW FROM DESIGN INFLOW	-1.38	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -0.65MU of energy was on account of reasons beyond control due to less inflow from design inflow(4) -1.38MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
27-03-17	47	0	47	2.0	65.25	2.85	62.40	58.29	2.70	0.00	-2.04	0.66	EXCESS INFLOW FROM DESIGN INFLOW	-2.70	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -2.7MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
28-03-17	47	0	47	2.0	77.93	2.85	75.08	68.26	3.25	0.00	-2.04	1.21	EXCESS INFLOW FROM DESIGN INFLOW	-3.25	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -3.25MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt

29-03-17	47	0	47	2.0	66.08	2.85	63.23	55.79	2.74	0.00	-2.04	0.70	EXCESS INFLOW FROM DESIGN INFLOW	-2.74	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -2.74MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
30-03-17	47	0	47	2.0	62.57	2.85	59.72	54.01	2.58	0.00	-2.04	0.55	EXCESS INFLOW FROM DESIGN INFLOW	-2.58	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -2.58MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
31-03-17	47	0	47	2.0	70.91	2.85	68.06	63.49	2.95	0.00	-2.04	0.91	EXCESS INFLOW FROM DESIGN INFLOW	-2.95	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	COMPLETE SHUTDOWN OF POWER HOUSE SINCE 00:00 HRS 01 FEB 17 FOR INSPECTION/REPAIR WORKS OF HRT & ANNUAL MAINTENANCE.	(1) There is energy shortfall on this day (2) There was Spillage of water(3) -2.95MU of energy was on account of reasons within control due to complete shutdown of power station for inspection/repair works of hrt
				72.53					91.20	0.00	-72.53	18.67	0.00	-91.20			0

WER STATION: CHAMERA-III POWER STATION

Annexure-III

YEAR : 2016-201

ALLED CAPACITY(	**231**
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DATE	**Design Inflow available for Generation (Cumecs)**	**Design Energy (MU)**	**Actual Inflow Available (Cumecs)**	**Mandatory Downstram Release (Cumecs)**	**Actual Inflow Available for Generation (Cumecs)**	**Spillage (Cumecs)**	**Maximum possible generation based on actual inflow available (MU)**	**Actual Generation at GT (MU)**	**PAF (%)**	**Ex Bus generation (MU)**	**Energy shortfall (MU)**	**Shortfall Beyond control of Power Station**	**Reasons**	**Shortfall Within control of Power Station**	**Reasons**	**Power potential restricted to 231 MW**	**Maximum possible generation based on actual inflow available (MU)**
1	**4=2-3**	**5**	**6**	**7**	**8=6-7**	**9**	**10=(231*.024)/128.1* Actual Inflow available**	**11**	**12**	**13**	**14=11-5**	**15**	**16**	**17=11-10**	**18**		
01-04-16	44.8	1.9	47.03	2.85	44.18	0	1.91	1.54	102.97	1.53	-0.40	-0.03	LESS INFLOW FROM DESIGN INFLOW	-0.37	LESS GENERATION TO INCREASE RESERVOIR LEVEL	79.75	1.91
02-04-16	44.8	1.9	58.19	2.85	55.34	0	2.40	2.29	102.09	2.27	0.35	0.45	EXCESS INFLOW FROM DESIGN INFLOW	-0.11	OTHER CONSTRAINTS	99.89	2.40
03-04-16	44.8	1.9	57.62	2.85	54.77	0	2.37	2.38	102.09	2.36	0.44	0.43	EXCESS INFLOW FROM DESIGN INFLOW	0.01	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	98.86	2.37
04-04-16	44.8	1.9	54.23	2.85	51.38	0	2.22	2.21	102.09	2.20	0.27	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.01	OTHER CONSTRAINTS	92.74	2.23
05-04-16	44.8	1.9	51.95	2.85	49.10	0	2.12	2.19	102.09	2.17	0.25	0.18	EXCESS INFLOW FROM DESIGN INFLOW	0.06	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	88.62	2.13
06-04-16	44.8	1.9	44.98	2.85	42.13	0	1.82	1.76	102.09	1.75	-0.18	-0.12	LESS INFLOW FROM DESIGN INFLOW	-0.06	OTHER CONSTRAINTS	76.05	1.83
07-04-16	44.8	1.9	37.05	2.85	34.20	0	1.48	1.65	102.09	1.64	-0.29	-0.46	LESS INFLOW FROM DESIGN INFLOW	0.17	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	61.73	1.48
08-04-16	44.8	1.9	37.04	2.85	34.19	0	1.48	1.58	102.09	1.56	-0.36	-0.46	LESS INFLOW FROM DESIGN INFLOW	0.10	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	61.71	1.48
09-04-16	44.8	1.9	36.37	2.85	33.52	0	1.45	1.41	102.09	1.40	-0.53	-0.49	LESS INFLOW FROM DESIGN INFLOW	-0.04	OTHER CONSTRAINTS	60.51	1.45
10-04-16	44.8	1.9	32.80	2.85	29.95	0	1.37	1.37	102.09	1.36	-0.58	-0.58	LESS INFLOW FROM DESIGN INFLOW	0.00		54.07	1.30
11-04-16	64.9	2.8	31.75	2.85	28.90	0	1.25	1.44	102.09	1.43	-1.37	-1.56	LESS INFLOW FROM DESIGN INFLOW	0.19	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	52.16	1.25
12-04-16	64.9	2.8	34.81	2.85	31.96	0	1.38	1.29	102.09	1.28	-1.53	-1.43	LESS INFLOW FROM DESIGN INFLOW	-0.10	LESS GENERATION TO INCREASE RESERVOIR LEVEL	57.70	1.38
13-04-16	64.9	2.8	38.42	2.85	35.57	0	1.54	1.53	102.09	1.51	-1.29	-1.27	LESS INFLOW FROM DESIGN INFLOW	-0.01	OTHER CONSTRAINTS	64.20	1.54
14-04-16	64.9	2.8	42.38	2.85	39.53	0	1.71	1.78	102.09	1.77	-1.03	-1.10	LESS INFLOW FROM DESIGN INFLOW	0.07	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	71.36	1.71
15-04-16	64.9	2.8	47.47	2.85	44.62	0	1.94	1.94	102.09	1.92	-0.87	-0.87	LESS INFLOW FROM DESIGN INFLOW	0.00		80.54	1.93
16-04-16	64.9	2.8	53.49	2.85	50.64	0	2.19	1.93	102.09	1.91	-0.89	-0.62	LESS INFLOW FROM DESIGN INFLOW	-0.27	LESS GENERATION TO INCREASE RESERVOIR LEVEL	91.40	2.19
17-04-16	64.9	2.8	70.49	2.85	67.64	0	2.93	3.21	102.09	3.18	0.39	0.12	EXCESS INFLOW FROM DESIGN INFLOW	0.28	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	122.09	2.93
18-04-16	64.9	2.8	84.74	2.85	81.89	0	3.54	3.18	102.09	3.16	0.37	0.73	EXCESS INFLOW FROM DESIGN INFLOW	-0.36	LESS GENERATION TO INCREASE RESERVOIR LEVEL	147.82	3.55
19-04-16	64.9	2.8	71.51	2.85	68.66	0	2.97	3.22	102.09	3.19	0.40	0.16	EXCESS INFLOW FROM DESIGN INFLOW	0.24	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	123.94	2.97
20-04-16	64.9	2.8	65.81	2.85	62.96	0	2.72	2.59	101.21	2.56	-0.23	-0.09	LESS INFLOW FROM DESIGN INFLOW	-0.14	OTHER CONSTRAINTS	113.64	2.73
21-04-16	76.2	3.3	70.63	2.85	67.78	0	2.93	2.82	101.21	2.79	-0.49	-0.37	LESS INFLOW FROM DESIGN INFLOW	-0.12	OTHER CONSTRAINTS	122.35	2.94
22-04-16	76.2	3.3	74.32	2.85	71.47	0	3.09	3.08	101.21	3.06	-0.22	-0.21	LESS INFLOW FROM DESIGN INFLOW	-0.01	OTHER CONSTRAINTS	129.00	3.10
23-04-16	76.2	3.3	64.71	2.85	61.86	0	2.68	2.41	101.21	2.39	-0.89	-0.62	LESS INFLOW FROM DESIGN INFLOW	-0.27	LESS GENERATION TO INCREASE RESERVOIR LEVEL	111.66	2.68
24-04-16	76.2	3.3	44.41	2.85	41.56	0	1.80	2.13	101.21	2.12	-1.17	-1.50	LESS INFLOW FROM DESIGN INFLOW	0.33	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	75.01	1.80
25-04-16	76.2	3.3	47.70	2.85	44.85	0	1.94	1.81	101.21	1.79	-1.50	-1.36	LESS INFLOW FROM DESIGN INFLOW	-0.13	OTHER CONSTRAINTS	80.95	1.94
26-04-16	76.2	3.3	51.38	2.85	48.53	0	2.10	1.88	101.21	1.86	-1.42	-1.20	LESS INFLOW FROM DESIGN INFLOW	-0.22	LESS GENERATION TO INCREASE RESERVOIR LEVEL	87.61	2.10
27-04-16	76.2	3.3	52.93	2.85	50.08	0	2.17	2.00	101.21	1.99	-1.30	-1.13	LESS INFLOW FROM DESIGN INFLOW	-0.17	OTHER CONSTRAINTS	90.39	2.17
28-04-16	76.2	3.3	56.89	2.85	54.04	0	2.34	2.04	101.21	2.03	-1.26	-0.96	LESS INFLOW FROM DESIGN INFLOW	-0.30	LESS GENERATION TO INCREASE RESERVOIR LEVEL	97.54	2.34
29-04-16	76.2	3.3	60.39	2.85	57.54	0	2.49	2.06	101.21	2.05	-1.24	-0.81	LESS INFLOW FROM DESIGN INFLOW	-0.43	LESS GENERATION TO INCREASE RESERVOIR LEVEL	103.87	2.49
30-04-16	76.2	3.3	69.18	2.85	66.33	0	2.87	2.87	101.21	2.85	-0.43	-0.43	LESS INFLOW FROM DESIGN INFLOW	0.00	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	119.72	2.87
01-05-16	103.2	4.5	93.50	2.85	90.65	0	3.92	3.70	101.21	3.68	-0.77	-0.55	LESS INFLOW FROM DESIGN INFLOW	-0.22	LESS GENERATION TO INCREASE RESERVOIR LEVEL	163.63	3.93
02-05-16	103.2	4.5	110.70	2.85	107.85	0	4.67	4.21	101.21	4.17	-0.27	0.20	EXCESS INFLOW FROM DESIGN INFLOW	-0.46	LESS GENERATION TO INCREASE RESERVOIR LEVEL	194.67	4.67
03-05-16	103.2	4.5	105.18	2.85	102.33	0	4.43	4.55	101.21	4.53	0.08	-0.04	LESS INFLOW FROM DESIGN INFLOW	0.12	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	184.71	4.43
04-05-16	103.2	4.5	78.37	2.85	75.52	0	3.27	3.37	101.21	3.35	-1.10	-1.20	LESS INFLOW FROM DESIGN INFLOW	0.10	OTHER CONSTRAINTS	136.32	3.27
05-05-16	103.2	4.5	74.15	2.85	71.30	0	3.09	3.21	101.21	3.19	-1.26	-1.38	LESS INFLOW FROM DESIGN INFLOW	0.13	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	128.70	3.09
06-05-16	103.2	4.5	75.82	2.85	72.97	0	3.16	2.97	101.21	2.95	-1.50	-1.31	LESS INFLOW FROM DESIGN INFLOW	-0.19	LESS GENERATION TO INCREASE RESERVOIR LEVEL	131.71	3.16
07-05-16	103.2	4.5	88.80	2.85	85.95	0	3.72	3.53	101.21	3.51	-0.94	-0.75	LESS INFLOW FROM DESIGN INFLOW	-0.19	OTHER CONSTRAINTS	155.14	3.72
08-05-16	103.2	4.5	114.70	2.85	111.85	0	4.84	4.17	101.21	4.14	-0.30	0.37	EXCESS INFLOW FROM DESIGN INFLOW	-0.67	LESS GENERATION TO INCREASE RESERVOIR LEVEL	201.89	4.85
09-05-16	103.2	4.5	139.72	2.85	136.87	0	5.54	5.32	101.21	5.29	0.85	1.07	EXCESS INFLOW FROM DESIGN INFLOW	-0.23	OTHER CONSTRAINTS	231.00	5.54
10-05-16	103.2	4.5	142.39	2.85	139.54	0	5.54	5.56	101.21	5.52	1.09	1.07	EXCESS INFLOW FROM DESIGN INFLOW	0.02	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	231.00	5.54

DATE	Design Inflow available for Generation (Cumecs)	Design Energy (MU)	Actual Inflow Available (Cumecs)	Mandatory Downstram Release (Cumecs)	Actual Inflow Available for Generation (Cumecs)	Spillage (Cumecs)	Maximum possible generation based on actual inflow available (MU)	Actual Generation at GT (MU)	PAF (%)	Ex Bus generation (MU)	Energy shortfall (MU)	Shortfall Beyond control of Power Station	Reasons	Shortfall Within control of Power Station	Reasons	Power potential restricted to 231 MW	Maximum possible generation based on actual inflow available (MU)
11-05-16	182.1	5.3	153.01	2.85	150.16	15.43	5.54	5.25	101.21	5.22	-0.02	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.30	OTHER CONSTRAINTS	231.00	5.54
12-05-16	182.1	5.3	111.32	2.85	108.47	0	4.69	4.65	101.21	4.62	-0.61	-0.57	LESS INFLOW FROM DESIGN INFLOW	-0.04	OTHER CONSTRAINTS	195.79	4.70
13-05-16	182.1	5.3	111.66	2.85	108.81	0	4.71	4.46	101.21	4.43	-0.80	-0.56	LESS INFLOW FROM DESIGN INFLOW	-0.25	OTHER CONSTRAINTS	196.41	4.71
14-05-16	182.1	5.3	112.24	2.85	109.39	0	4.73	4.53	101.21	4.50	-0.74	-0.53	LESS INFLOW FROM DESIGN INFLOW	-0.21	OTHER CONSTRAINTS	197.44	4.74
15-05-16	182.1	5.3	107.89	2.85	105.04	0	4.55	4.25	101.21	4.22	-1.02	-0.72	LESS INFLOW FROM DESIGN INFLOW	-0.30	LESS GENERATION TO INCREASE RESERVOIR LEVEL	189.61	4.55
16-05-16	182.1	5.3	120.91	2.85	118.06	0	5.11	4.98	101.21	4.95	-0.28	-0.16	LESS INFLOW FROM DESIGN INFLOW	-0.13	OTHER CONSTRAINTS	213.10	5.11
17-05-16	182.1	5.3	122.74	2.85	119.89	5.5	5.19	4.66	81.06	4.62	-0.61	-0.08	LESS INFLOW FROM DESIGN INFLOW	-0.53	RESERVOIR LEVEL MAINTAINED AT MDDL TO CARRY OUT THE RESTORATION WORK OF DAMAGED PORTION OF CHAMBA- BHARMOUR ROAD.	216.41	5.19
18-05-16	182.1	5.3	147.72	2.85	144.87	10.01	5.54	5.14	89.82	5.11	-0.13	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.41	RESERVOIR LEVEL MAINTAINED AT MDDL TO CARRY OUT THE RESTORATION WORK OF DAMAGED PORTION OF CHAMBA- BHARMOUR ROAD.	231.00	5.54
19-05-16	182.1	5.3	177.70	2.85	174.85	29.97	5.54	5.29	94.20	5.25	0.02	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.26	RESERVOIR LEVEL MAINTAINED AT MDDL TO CARRY OUT THE RESTORATION WORK OF DAMAGED PORTION OF CHAMBA- BHARMOUR ROAD.	231.00	5.54
20-05-16	182.1	5.3	183.57	2.85	180.72	34.94	5.54	5.28	96.39	5.24	0.01	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.27	RESERVOIR LEVEL MAINTAINED AT MDDL TO CARRY OUT THE RESTORATION WORK OF DAMAGED PORTION OF CHAMBA- BHARMOUR ROAD.	231.00	5.54
21-05-16	162.1	5.3	199.12	2.85	196.27	46.4	5.54	5.26	96.39	5.23	-0.01	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.28	RESERVOIR LEVEL MAINTAINED AT MDDL TO CARRY OUT THE RESTORATION WORK OF DAMAGED PORTION OF CHAMBA- BHARMOUR ROAD.	231.00	5.54
22-05-16	162.1	5.3	229.46	2.85	226.61	76.41	5.54	5.28	96.39	5.24	0.01	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.27	RESERVOIR LEVEL MAINTAINED AT MDDL TO CARRY OUT THE RESTORATION WORK OF DAMAGED PORTION OF CHAMBA- BHARMOUR ROAD.	231.00	5.54
23-05-16	162.1	5.3	200.54	2.85	197.69	51.38	5.54	5.27	96.39	5.24	0.01	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.27	RESERVOIR LEVEL MAINTAINED AT MDDL TO CARRY OUT THE RESTORATION WORK OF DAMAGED PORTION OF CHAMBA- BHARMOUR ROAD.	231.00	5.54
24-05-16	162.1	5.3	136.02	2.85	133.17	3.95	5.54	5.00	89.82	4.97	-0.27	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.55	RESERVOIR LEVEL MAINTAINED AT MDDL TO CARRY OUT THE RESTORATION WORK OF DAMAGED PORTION OF CHAMBA- BHARMOUR ROAD.	231.00	5.54
25-05-16	162.1	5.3	106.00	2.85	103.15	0	4.46	4.18	77.41	4.16	-1.09	-0.80	LESS INFLOW FROM DESIGN INFLOW	-0.28	OTHER CONSTRAINTS	186.19	4.47
26-05-16	162.1	5.3	99.64	2.85	96.79	0	4.19	3.84	70.11	3.82	-1.43	-1.08	LESS INFLOW FROM DESIGN INFLOW	-0.35	LESS GENERATION TO INCREASE RESERVOIR LEVEL	174.70	4.19
27-05-16	162.1	5.3	116.58	2.85	113.73	0	4.92	4.45	94.94	4.42	-0.81	-0.34	LESS INFLOW FROM DESIGN INFLOW	-0.47	LESS GENERATION TO INCREASE RESERVOIR LEVEL	205.30	4.93
28-05-16	162.1	5.27	132.00	2.85	129.15	0	5.54	4.99	96.39	4.95	-0.28	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.56	OTHER CONSTRAINTS	231.00	5.54
29-05-16	162.1	5.3	121.58	2.85	118.73	0	5.14	4.72	97.27	4.69	-0.55	-0.13	LESS INFLOW FROM DESIGN INFLOW	-0.42	OTHER CONSTRAINTS	214.32	5.14
30-05-16	162.1	5.3	118.38	2.85	115.53	0	5.00	4.49	97.71	4.48	-0.78	-0.27	LESS INFLOW FROM DESIGN INFLOW	-0.51	OTHER CONSTRAINTS	208.53	5.00
31-05-16	162.1	5.3	113.21	2.85	110.36	0	4.78	4.37	96.39	4.33	-0.90	-0.49	LESS INFLOW FROM DESIGN INFLOW	-0.41	LESS GENERATION TO INCREASE RESERVOIR LEVEL	199.21	4.78
01-06-16	188.9	5.3	142.40	2.85	139.55	0	5.54	5.30	97.71	5.26	0.04	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.24	OTHER CONSTRAINTS	231.00	5.54
02-06-16	188.9	5.3	185.37	2.85	182.52	34.79	5.54	5.39	97.71	5.36	0.12	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.16	OTHER CONSTRAINTS	231.00	5.54
03-06-16	188.9	5.3	160.39	2.85	157.54	12.36	5.54	5.39	98.59	5.36	0.12	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.15	OTHER CONSTRAINTS	231.00	5.54
04-06-16	188.9	5.3	174.28	2.85	171.43	24.83	5.54	5.40	98.59	5.36	0.13	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.14	OTHER CONSTRAINTS	231.00	5.54
05-06-16	188.9	5.3	182.14	2.85	179.29	39.09	5.54	5.38	98.59	5.35	0.12	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.16	OTHER CONSTRAINTS	231.00	5.54
06-06-16	188.9	5.3	167.62	2.85	164.77	22.95	5.54	5.38	99.02	5.35	0.11	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.17	OTHER CONSTRAINTS	231.00	5.54
07-06-16	188.9	5.3	164.10	2.85	161.25	18.65	5.54	5.38	99.02	5.35	0.11	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.17	OTHER CONSTRAINTS	231.00	5.54
08-06-16	188.9	5.3	158.21	2.85	155.36	5.96	5.54	5.45	99.02	5.41	0.18	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.10	LESS GENERATION TO INCREASE RESERVOIR LEVEL	231.00	5.54
09-06-16	188.9	5.3	145.02	2.85	142.17	3.71	5.54	5.39	99.90	5.35	0.12	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.16	OTHER CONSTRAINTS	231.00	5.54
10-06-16	188.9	5.3	144.59	2.85	141.74	4.41	5.54	5.40	100.03	5.38	0.13	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.15	OTHER CONSTRAINTS	231.00	5.54
11-06-16	132.4	5.3	142.67	2.85	139.82	0	5.54	5.29	100.03	5.29	0.03	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.25	LESS GENERATION TO INCREASE RESERVOIR LEVEL	231.00	5.54
12-06-16	132.4	5.3	159.21	2.85	156.36	12.08	5.54	5.44	100.03	5.44	0.18	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.10	OTHER CONSTRAINTS	231.00	5.54
13-06-16	132.4	5.3	149.75	2.85	146.90	10.83	5.54	5.37	100.03	5.37	0.10	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.17	OTHER CONSTRAINTS	231.00	5.54
14-06-16	132.4	5.3	179.54	2.85	176.69	31.56	5.54	5.47	100.03	5.46	0.20	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.08	OTHER CONSTRAINTS	231.00	5.54
15-06-16	132.4	5.3	211.37	2.85	208.52	58.6	5.54	5.50	101.21	5.50	0.24	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.04	OTHER CONSTRAINTS	231.00	5.54
16-06-16	132.4	5.3	228.78	2.85	225.93	72.17	5.54	5.49	101.21	5.49	0.23	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.05	OTHER CONSTRAINTS	231.00	5.54
17-06-16	132.4	5.3	226.04	2.85	223.19	72.89	5.54	5.49	101.21	5.48	0.22	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.06	OTHER CONSTRAINTS	231.00	5.54
18-06-16	132.4	5.3	215.06	2.85	212.21	60.59	5.54	5.49	101.21	5.47	0.22	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.05	OTHER CONSTRAINTS	231.00	5.54
19-06-16	132.4	5.3	217.84	2.85	214.99	65.18	5.54	5.51	101.21	5.47	0.24	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.04	OTHER CONSTRAINTS	231.00	5.54
20-06-16	132.4	5.3	204.19	2.85	201.34	51.44	5.54	5.49	101.21	5.46	0.22	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.06	OTHER CONSTRAINTS	231.00	5.54
21-06-16	113.4	4.9	175.40	2.85	172.55	0	5.54	5.50	101.21	5.48	0.59	0.63	EXCESS INFLOW FROM DESIGN INFLOW	-0.04	OTHER CONSTRAINTS	231.00	5.54
22-06-16	113.4	4.9	173.82	2.85	170.97	25.94	5.54	5.49	100.34	5.47	0.58	0.63	EXCESS INFLOW FROM DESIGN INFLOW	-0.05	OTHER CONSTRAINTS	231.00	5.54
23-06-16	113.4	4.9	157.99	2.85	155.14	10.1	5.54	5.49	100.34	5.47	0.58	0.63	EXCESS INFLOW FROM DESIGN INFLOW	-0.06	OTHER CONSTRAINTS	231.00	5.54
24-06-16	113.4	4.9	185.55	2.85	182.70	34.51	5.54	5.50	100.34	5.48	0.58	0.63	EXCESS INFLOW FROM DESIGN INFLOW	-0.05	OTHER CONSTRAINTS	231.00	5.54
25-06-16	113.4	4.9	186.57	2.85	183.72	50.88	5.54	5.43	97.27	5.41	0.52	0.63	EXCESS INFLOW FROM DESIGN INFLOW	-0.11	OTHER CONSTRAINTS	231.00	5.54
26-06-16	113.4	4.9	193.34	2.85	190.49	101	5.54	0.27	0.00	0.27	-4.64	-4.64	0.63MU DUE TO EXCESS INFLOW AND -5.27MU DUE TO RESERVOIR FLUSHING	0.00		231.00	5.54

DATE	Design Inflow available for Generation (Cumecs)	Design Energy (MU)	Actual Inflow Available (Cumecs)	Mandatory Downstram Release (Cumecs)	Actual Inflow Available for Generation (Cumecs)	Spillage (Cumecs)	Maximum possible generation based on actual inflow available (MU)	Actual Generation at GT (MU)	PAF (%)	Ex Bus generation (MU)	Energy shortfall (MU)	Shortfall Beyond control of Power Station	Reasons	Shortfall Within control of Power Station	Reasons	Power potential restricted to 231 MW	Maximum possible generation based on actual inflow available (MU)
27-06-16	113.4	4.9	160.64	2.85	157.79	19.01	5.54	5.56	101.21	5.54	0.64	0.63	EXCESS INFLOW FROM DESIGN INFLOW	0.01	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	231.00	5.54
28-06-16	113.4	4.9	148.79	2.85	145.94	2.5	5.54	5.53	101.21	5.50	0.62	0.63	EXCESS INFLOW FROM DESIGN INFLOW	-0.01	OTHER CONSTRAINTS	231.00	5.54
29-06-16	113.4	4.9	154.00	2.85	151.15	0.4	5.60	5.60	101.21	5.56	0.69	0.69	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
30-06-16	113.4	4.9	194.74	2.85	191.89	43.52	5.54	5.65	101.21	5.61	0.74	0.63	EXCESS INFLOW FROM DESIGN INFLOW	0.11	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	231.00	5.54
01-07-16	118.4	5.1	209.11	2.85	206.26	56.93	5.61	5.61	101.21	5.57	0.48	0.48	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
02-07-16	118.4	5.1	174.53	2.85	171.68	28.1	5.54	5.56	101.21	5.52	0.43	0.41	EXCESS INFLOW FROM DESIGN INFLOW	0.02	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	231.00	5.54
03-07-16	118.4	5.1	204.08	2.85	201.23	50.62	5.60	5.60	101.65	5.56	0.47	0.47	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
04-07-16	118.4	5.1	201.55	2.85	198.70	52.09	5.54	5.65	101.65	5.60	0.52	0.41	EXCESS INFLOW FROM DESIGN INFLOW	0.10	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	231.00	5.54
05-07-16	118.4	5.1	161.30	2.85	158.45	9.8	5.59	5.59	101.65	5.55	0.46	0.46	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
06-07-16	118.4	5.1	173.53	2.85	170.68	18.17	5.66	5.66	101.65	5.62	0.53	0.53	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
07-07-16	118.4	5.1	145.87	2.85	143.02	6.78	5.54	5.62	101.65	5.58	0.49	0.41	EXCESS INFLOW FROM DESIGN INFLOW	0.07	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	231.00	5.54
08-07-16	118.4	5.1	147.07	2.85	144.22	0	5.54	5.30	101.65	5.26	0.17	0.41	EXCESS INFLOW FROM DESIGN INFLOW	-0.25	LESS GENERATION TO INCREASE RESERVOIR LEVEL	231.00	5.54
09-07-16	118.4	5.1	147.74	2.85	144.89	3.4	5.54	5.63	101.21	5.59	0.50	0.41	EXCESS INFLOW FROM DESIGN INFLOW	0.08	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	231.00	5.54
10-07-16	118.4	5.1	140.81	2.85	137.96	0.07	5.54	5.26	101.65	5.22	0.13	0.41	EXCESS INFLOW FROM DESIGN INFLOW	-0.28	LESS GENERATION TO INCREASE RESERVOIR LEVEL	231.00	5.54
11-07-16	138.6	5.3	164.11	2.85	161.26	11.03	5.64	5.64	101.21	5.59	0.38	0.38	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
12-07-16	138.6	5.3	194.99	2.85	192.14	43.67	5.54	5.66	102.09	5.60	0.39	0.28	EXCESS INFLOW FROM DESIGN INFLOW	0.11	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	231.00	5.54
13-07-16	138.6	5.3	201.07	2.85	198.22	60.47	5.54	5.37	102.09	5.32	0.10	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.17	OTHER CONSTRAINTS	231.00	5.54
14-07-16	138.6	5.3	188.98	2.85	186.13	32.8	5.62	5.62	102.09	5.57	0.35	0.35	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
15-07-16	138.6	5.3	166.76	2.85	163.91	15.35	5.65	5.65	102.09	5.60	0.38	0.38	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
16-07-16	138.6	5.3	165.82	2.85	162.97	14.96	5.65	5.65	101.65	5.60	0.38	0.38	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
17-07-16	138.6	5.3	177.42	2.85	174.57	34.84	5.54	5.63	102.09	5.58	0.36	0.28	EXCESS INFLOW FROM DESIGN INFLOW	0.08	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	231.00	5.54
18-07-16	138.6	5.3	185.62	2.85	182.77	42.07	5.54	5.63	102.09	5.58	0.36	0.28	EXCESS INFLOW FROM DESIGN INFLOW	0.08	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	231.00	5.54
19-07-16	138.6	5.3	135.32	2.85	132.47	1.44	5.54	5.18	100.03	5.14	-0.09	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.36	OTHER CONSTRAINTS	231.00	5.54
20-07-16	138.6	5.3	133.07	2.85	130.22	0	5.54	5.08	101.21	5.04	-0.18	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.46	OTHER CONSTRAINTS	231.00	5.54
21-07-16	211.1	5.3	136.30	2.85	133.45	0	5.54	5.38	101.21	5.33	0.11	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.17	OTHER CONSTRAINTS	231.00	5.54
22-07-16	211.1	5.3	132.15	2.85	129.30	0	5.54	5.18	101.21	5.14	-0.09	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.37	OTHER CONSTRAINTS	231.00	5.54
23-07-16	211.1	5.3	112.39	2.85	109.54	0	4.74	4.44	101.21	4.41	-0.82	-0.53	LESS INFLOW FROM DESIGN INFLOW	-0.30	OTHER CONSTRAINTS	197.72	4.75
24-07-16	211.1	5.3	124.35	2.85	121.50	0	5.26	4.65	101.21	4.61	-0.62	-0.01	LESS INFLOW FROM DESIGN INFLOW	-0.61	LESS GENERATION TO INCREASE RESERVOIR LEVEL	219.31	5.26
25-07-16	211.1	5.3	128.67	2.85	125.82	0	5.45	5.07	101.21	5.04	-0.19	0.18	EXCESS INFLOW FROM DESIGN INFLOW	-0.37	OTHER CONSTRAINTS	227.12	5.45
26-07-16	211.1	5.3	127.51	2.85	124.66	0	5.39	5.02	101.21	4.98	-0.25	0.13	EXCESS INFLOW FROM DESIGN INFLOW	-0.37	OTHER CONSTRAINTS	225.01	5.40
27-07-16	211.1	5.3	299.61	2.85	296.76	134.84	5.54	5.52	101.21	5.48	0.25	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.02	OTHER CONSTRAINTS	231.00	5.54
28-07-16	211.1	5.3	186.27	2.85	183.42	25.36	5.54	5.58	101.21	5.54	0.31	0.28	EXCESS INFLOW FROM DESIGN INFLOW	0.03	OTHER CONSTRAINTS	231.00	5.54
29-07-16	211.1	5.3	159.92	2.85	157.07	13.47	5.54	5.55	101.21	5.51	0.28	0.28	EXCESS INFLOW FROM DESIGN INFLOW	0.01	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	231.00	5.54
30-07-16	211.1	5.3	139.80	2.85	136.95	1.43	5.54	5.54	101.21	5.50	0.27	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.01	OTHER CONSTRAINTS	231.00	5.54
31-07-16	211.1	5.3	142.04	2.85	139.19	0	5.54	5.05	101.21	5.00	-0.22	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.50	LESS GENERATION TO INCREASE RESERVOIR LEVEL	231.00	5.54
01-08-16	146.3	5.3	149.84	2.85	146.99	4.99	5.54	5.51	101.21	5.47	0.25	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.03	OTHER CONSTRAINTS	231.00	5.54
02-08-16	146.3	5.3	216.67	2.85	213.82	57.03	5.61	5.61	101.21	5.57	0.35	0.35	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
03-08-16	146.3	5.3	211.24	2.85	208.39	56.75	5.54	5.63	102.53	5.58	0.36	0.28	EXCESS INFLOW FROM DESIGN INFLOW	0.09	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	231.00	5.54
04-08-16	146.3	5.3	209.34	2.85	206.49	51.16	5.63	5.63	102.53	5.58	0.36	0.36	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
05-08-16	146.3	5.3	173.41	2.85	170.56	29.68	5.63	5.63	102.53	5.58	0.37	0.37	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
06-08-16	146.3	5.3	226.47	2.85	223.62	77.79	5.54	5.56	100.12	5.51	0.29	0.28	EXCESS INFLOW FROM DESIGN INFLOW	0.01	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	231.00	5.54
07-08-16	146.3	5.3	314.03	2.85	311.18	149.21	5.54	5.47	100.47	5.43	0.20	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.08	OTHER CONSTRAINTS	231.00	5.54
08-08-16	146.3	5.3	261.39	2.85	258.54	102.61	5.54	5.48	100.34	5.44	0.21	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.07	LESS GENERATION TO INCREASE RESERVOIR LEVEL	231.00	5.54
09-08-16	146.3	5.3	283.77	2.85	280.92	120.45	5.56	5.56	101.21	5.52	0.29	0.29	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
10-08-16	146.3	5.3	227.84	2.85	224.99	71.37	5.57	5.57	101.21	5.52	0.30	0.30	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
11-08-16	124.04	5.3	443.72	2.85	440.87	265.28	5.54	5.48	101.21	5.44	0.21	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.07	OTHER CONSTRAINTS	231.00	5.54
12-08-16	124.04	5.3	300.35	2.85	297.50	138.5	5.54	5.48	101.21	5.44	0.21	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.07	LESS GENERATION TO INCREASE RESERVOIR LEVEL	231.00	5.54
13-08-16	124.04	5.3	235.59	2.85	232.74	76.42	5.55	5.55	101.21	5.51	0.29	0.29	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
14-08-16	124.04	5.3	202.44	2.85	199.59	49.89	5.54	5.57	101.21	5.52	0.31	0.28	EXCESS INFLOW FROM DESIGN INFLOW	0.03	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	231.00	5.54
15-08-16	124.04	5.3	168.77	2.85	165.92	17.37	5.54	5.54	101.21	5.50	0.27	0.28	EXCESS INFLOW FROM DESIGN INFLOW	0.00	OTHER CONSTRAINTS	231.00	5.54
16-08-16	124.04	5.3	155.90	2.85	153.05	2.84	5.55	5.55	101.21	5.51	0.29	0.29	EXCESS INFLOW FROM DESIGN INFLOW	0.00		231.00	5.54
17-08-16	124.04	5.3	147.35	2.85	144.50	5.1	5.54	5.51	101.21	5.47	0.25	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.03	OTHER CONSTRAINTS	231.00	5.54
18-08-16	124.04	5.3	200.54	2.85	197.69	36.07	5.54	5.54	101.21	5.50	0.27	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.01	LESS GENERATION TO INCREASE RESERVOIR LEVEL	231.00	5.54
19-08-16	124.04	5.3	194.09	2.85	191.24	39.36	5.54	5.56	101.21	5.52	0.30	0.28	EXCESS INFLOW FROM DESIGN INFLOW	0.02	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	231.00	5.54
20-08-16	124.04	5.3	156.67	2.85	153.82	1.25	5.54	5.54	101.21	5.49	0.27	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.01	LESS GENERATION TO INCREASE RESERVOIR LEVEL	231.00	5.54

DATE	Design Inflow available for Generation (Cumecs)	Design Energy (MU)	Actual Inflow Available (Cumecs)	Mandatory Downstram Release (Cumecs)	Actual Inflow Available for Generation (Cumecs)	Spillage (Cumecs)	Maximum possible generation based on actual inflow available (MU)	Actual Generation at GT (MU)	PAF (%)	Ex Bus generation (MU)	Energy shortfall (MU)	Shortfall Beyond control of Power Station	Reasons	Shortfall Within control of Power Station	Reasons	Power potential restricted to 231 MW	Maximum possible generation based on actual inflow available (MU)
21-08-16	135.6	5.3	135.92	2.85	133.07	0.78	5.54	5.38	101.21	5.34	0.12	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.16	OTHER CONSTRAINTS	231.00	5.54
22-08-16	135.6	5.3	136.91	2.85	134.06	0	5.54	4.94	100.34	4.89	-0.33	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.61	LESS GENERATION TO INCREASE RESERVOIR LEVEL	231.00	5.54
23-08-16	135.6	5.3	164.35	2.85	161.50	6.47	5.54	5.53	100.34	5.49	0.26	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.01	LESS GENERATION TO INCREASE RESERVOIR LEVEL	231.00	5.54
24-08-16	135.6	5.3	145.88	2.85	143.03	1.85	5.54	5.47	101.21	5.41	0.20	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.08	OTHER CONSTRAINTS	231.00	5.54
25-08-16	135.6	5.3	175.46	2.85	172.61	17.54	5.54	5.54	101.21	5.49	0.27	0.28	EXCESS INFLOW FROM DESIGN INFLOW	0.00	LESS GENERATION TO INCREASE RESERVOIR LEVEL	231.00	5.54
26-08-16	135.6	5.3	143.44	2.85	140.59	3.55	5.54	5.47	101.21	5.43	0.20	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.08	OTHER CONSTRAINTS	231.00	5.54
27-08-16	135.6	5.3	191.96	2.85	189.11	35.39	5.54	5.40	100.34	5.35	0.13	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.15	LESS GENERATION TO INCREASE RESERVOIR LEVEL	231.00	5.54
28-08-16	135.6	5.3	191.68	2.85	188.83	39.14	5.54	5.48	100.34	5.44	0.22	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.06	OTHER CONSTRAINTS	231.00	5.54
29-08-16	135.6	5.3	146.26	2.85	143.41	6.08	5.54	5.46	100.34	5.42	0.20	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.08	OTHER CONSTRAINTS	231.00	5.54
30-08-16	135.6	5.3	157.05	2.85	154.20	4.72	5.54	5.39	100.34	5.34	0.12	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.16	LESS GENERATION TO INCREASE RESERVOIR LEVEL	231.00	5.54
31-08-16	135.6	5.3	153.42	2.85	150.57	7.77	5.54	5.47	101.21	5.42	0.21	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-0.07	OTHER CONSTRAINTS	231.00	5.54
01-09-16	107.5	4.7	127.38	2.85	124.53	0	5.39	5.03	101.21	4.99	0.37	0.73	EXCESS INFLOW FROM DESIGN INFLOW	-0.36	OTHER CONSTRAINTS	224.79	5.39
02-09-16	107.5	4.7	147.56	2.85	144.71	0	5.54	5.31	101.21	5.26	0.65	0.89	EXCESS INFLOW FROM DESIGN INFLOW	-0.24	LESS GENERATION TO INCREASE RESERVOIR LEVEL	231.00	5.54
03-09-16	107.5	4.7	129.68	2.85	126.83	0	5.49	4.90	100.34	4.87	0.24	0.83	EXCESS INFLOW FROM DESIGN INFLOW	-0.59	OTHER CONSTRAINTS	228.94	5.49
04-09-16	107.5	4.7	113.24	2.85	110.39	0	4.78	4.38	100.34	4.34	-0.28	0.12	EXCESS INFLOW FROM DESIGN INFLOW	-0.40	OTHER CONSTRAINTS	199.26	4.78
05-09-16	107.5	4.7	112.68	2.85	109.83	0	4.75	4.34	100.34	4.31	-0.32	0.10	EXCESS INFLOW FROM DESIGN INFLOW	-0.42	OTHER CONSTRAINTS	198.25	4.76
06-09-16	107.5	4.7	104.10	2.85	101.25	0	4.38	4.10	100.34	4.07	-0.56	-0.28	LESS INFLOW FROM DESIGN INFLOW	-0.28	LESS GENERATION TO INCREASE RESERVOIR LEVEL	182.76	4.39
07-09-16	107.5	4.7	112.12	2.85	109.27	0	4.73	4.33	101.21	4.29	-0.33	0.07	EXCESS INFLOW FROM DESIGN INFLOW	-0.40	OTHER CONSTRAINTS	197.25	4.73
08-09-16	107.5	4.7	112.67	2.85	109.82	0	4.75	4.16	101.21	4.13	-0.49	0.10	EXCESS INFLOW FROM DESIGN INFLOW	-0.59	OTHER CONSTRAINTS	198.23	4.76
09-09-16	107.5	4.7	104.12	2.85	101.27	0	4.38	3.99	101.21	3.96	-0.66	-0.27	LESS INFLOW FROM DESIGN INFLOW	-0.39	LESS GENERATION TO INCREASE RESERVOIR LEVEL	182.81	4.39
10-09-16	107.5	4.7	98.36	2.85	95.51	0	4.13	4.05	101.21	4.01	-0.61	-0.52	LESS INFLOW FROM DESIGN INFLOW	-0.08	OTHER CONSTRAINTS	172.40	4.14
11-09-16	90.3	3.9	101.70	2.85	98.85	0	4.28	4.07	101.21	4.04	0.16	0.37	EXCESS INFLOW FROM DESIGN INFLOW	-0.21	LESS GENERATION TO INCREASE RESERVOIR LEVEL	178.42	4.28
12-09-16	90.3	3.9	101.57	2.85	98.72	0	4.27	3.93	101.21	3.90	0.02	0.36	EXCESS INFLOW FROM DESIGN INFLOW	-0.34	OTHER CONSTRAINTS	178.20	4.28
13-09-16	90.3	3.9	86.45	2.85	83.60	0	3.64	3.64	101.21	3.61	-0.28	-0.28	LESS INFLOW FROM DESIGN INFLOW	0.00		150.90	3.62
14-09-16	90.3	3.9	76.19	2.85	73.34	0	3.17	3.12	101.21	3.10	-0.79	-0.74	LESS INFLOW FROM DESIGN INFLOW	-0.05	OTHER CONSTRAINTS	132.38	3.18
15-09-16	90.3	3.9	69.35	2.85	66.50	0	2.88	2.77	101.21	2.75	-1.14	-1.03	LESS INFLOW FROM DESIGN INFLOW	-0.10	LESS GENERATION TO INCREASE RESERVOIR LEVEL	120.04	2.88
16-09-16	90.3	3.9	68.40	2.85	65.55	0	2.84	3.00	101.21	2.97	-0.91	-1.07	LESS INFLOW FROM DESIGN INFLOW	0.16	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	118.32	2.84
17-09-16	90.3	3.9	74.95	2.85	72.10	0	3.12	3.00	101.21	2.97	-0.91	-0.79	LESS INFLOW FROM DESIGN INFLOW	-0.12	OTHER CONSTRAINTS	130.14	3.12
18-09-16	90.3	3.9	75.09	2.85	72.24	0	3.13	2.87	101.21	2.84	-1.05	-0.79	LESS INFLOW FROM DESIGN INFLOW	-0.26	LESS GENERATION TO INCREASE RESERVOIR LEVEL	130.40	3.13
19-09-16	90.3	3.9	70.96	2.85	68.11	0	2.95	3.06	101.21	3.03	-0.85	-0.96	LESS INFLOW FROM DESIGN INFLOW	0.11	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	122.94	2.95
20-09-16	90.3	3.9	83.50	2.85	80.65	0	3.49	3.20	101.21	3.18	-0.71	-0.42	LESS INFLOW FROM DESIGN INFLOW	-0.29	LESS GENERATION TO INCREASE RESERVOIR LEVEL	145.58	3.49
21-09-16	78.7	3.4	76.11	2.85	73.26	0	3.17	3.06	101.21	3.03	-0.35	-0.24	LESS INFLOW FROM DESIGN INFLOW	-0.11	OTHER CONSTRAINTS	132.23	3.17
22-09-16	78.7	3.4	73.03	2.85	70.18	0	3.04	2.96	101.21	2.94	-0.45	-0.37	LESS INFLOW FROM DESIGN INFLOW	-0.08	OTHER CONSTRAINTS	126.67	3.04
23-09-16	78.7	3.4	64.68	2.85	61.83	0	2.68	2.68	101.21	2.66	-0.73	-0.73	LESS INFLOW FROM DESIGN INFLOW	0.01	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	111.61	2.68
24-09-16	78.7	3.4	55.40	2.85	52.55	0	2.27	2.41	101.21	2.39	-1.00	-1.13	LESS INFLOW FROM DESIGN INFLOW	0.14	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	94.86	2.28
25-09-16	78.7	3.4	59.16	2.85	56.31	0	2.44	2.34	101.21	2.32	-1.07	-0.97	LESS INFLOW FROM DESIGN INFLOW	-0.10	OTHER CONSTRAINTS	101.64	2.44
26-09-16	78.7	3.4	59.06	2.85	56.21	0	2.43	2.44	101.21	2.41	-0.97	-0.98	LESS INFLOW FROM DESIGN INFLOW	0.00	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	101.46	2.44
27-09-16	78.7	3.4	61.14	2.85	58.29	0	2.52	2.45	101.21	2.43	-0.96	-0.89	LESS INFLOW FROM DESIGN INFLOW	-0.07	OTHER CONSTRAINTS	105.22	2.53
28-09-16	78.7	3.4	57.55	2.85	54.70	0	2.37	2.29	101.21	2.27	-1.12	-1.04	LESS INFLOW FROM DESIGN INFLOW	-0.08	LESS GENERATION TO INCREASE RESERVOIR LEVEL	98.73	2.37
29-09-16	78.7	3.4	63.55	2.85	60.70	0	2.63	2.38	101.21	2.36	-1.03	-0.78	LESS INFLOW FROM DESIGN INFLOW	-0.25	LESS GENERATION TO INCREASE RESERVOIR LEVEL	109.57	2.63
30-09-16	78.7	3.4	60.21	2.85	57.36	0	2.48	2.63	101.21	2.61	-0.78	-0.93	LESS INFLOW FROM DESIGN INFLOW	0.15	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	103.54	2.48
01-10-16	68.4	3.0	68.35	2.85	65.50	0	2.83	2.72	100.41	2.70	-0.24	-0.13	LESS INFLOW FROM DESIGN INFLOW	-0.11	OTHER CONSTRAINTS	118.23	2.84
02-10-16	68.4	3.0	68.79	2.85	65.94	0	2.85	2.95	101.21	2.92	-0.02	-0.11	LESS INFLOW FROM DESIGN INFLOW	0.09	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	119.02	2.86
03-10-16	68.4	3.0	64.61	2.85	61.76	0	2.67	2.84	101.21	2.81	-0.13	-0.29	LESS INFLOW FROM DESIGN INFLOW	0.16	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	111.48	2.68
04-10-16	68.4	3.0	63.88	2.85	61.03	0	2.64	2.59	101.21	2.56	-0.38	-0.32	LESS INFLOW FROM DESIGN INFLOW	-0.05	LESS GENERATION TO INCREASE RESERVOIR LEVEL	110.15	2.64
05-10-16	68.4	3.0	62.01	2.85	59.16	0	2.56	2.56	101.21	2.55	-0.41	-0.40	LESS INFLOW FROM DESIGN INFLOW	-0.01	OTHER CONSTRAINTS	106.79	2.56
06-10-16	68.4	3.0	54.02	2.85	51.17	0	2.21	2.37	101.21	2.34	-0.59	-0.75	LESS INFLOW FROM DESIGN INFLOW	0.16	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	92.36	2.22
07-10-16	68.4	3.0	50.63	2.85	47.78	0	2.07	2.01	101.21	2.00	-0.95	-0.90	LESS INFLOW FROM DESIGN INFLOW	-0.06	OTHER CONSTRAINTS	86.25	2.07
08-10-16	68.4	3.0	49.46	2.85	46.61	0	2.02	2.10	101.21	2.09	-0.86	-0.95	LESS INFLOW FROM DESIGN INFLOW	0.08	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	84.14	2.02
09-10-16	68.4	3.0	43.28	2.85	40.43	0	1.75	1.92	101.21	1.90	-1.04	-1.21	LESS INFLOW FROM DESIGN INFLOW	0.17	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	72.97	1.75
10-10-16	68.4	3.0	41.56	2.85	38.71	0	1.68	1.54	101.21	1.52	-1.42	-1.29	LESS INFLOW FROM DESIGN INFLOW	-0.14	OTHER CONSTRAINTS	69.87	1.68
11-10-16	57.6	2.5	36.57	2.85	33.72	0	1.48	1.48	101.21	1.47	-1.01	-1.01	LESS INFLOW FROM DESIGN INFLOW	0.00		60.86	1.46

DATE	Design Inflow available for Generation (Cumecs)	Design Energy (MU)	Actual Inflow Available (Cumecs)	Mandatory Downstram Release (Cumecs)	Actual Inflow Available for Generation (Cumecs)	Spillage (Cumecs)	Maximum possible generation based on actual inflow available (MU)	Actual Generation at GT (MU)	PAF (%)	Ex Bus generation (MU)	Energy shortfall (MU)	Shortfall Beyond control of Power Station	Reasons	Shortfall Within control of Power Station	Reasons	Power potential restricted to 231 MW	Maximum possible generation based on actual inflow available (MU)
12-10-16	57.6	2.5	38.48	2.85	35.63	0	1.54	1.49	101.21	1.47	-1.01	-0.95	LESS INFLOW FROM DESIGN INFLOW	-0.05	OTHER CONSTRAINTS	64.31	1.54
13-10-16	57.6	2.5	36.89	2.85	34.04	0	1.47	1.54	101.21	1.52	-0.96	-1.02	LESS INFLOW FROM DESIGN INFLOW	0.06	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	61.43	1.47
14-10-16	57.6	2.5	36.64	2.85	33.79	0	1.46	1.41	101.21	1.40	-1.08	-1.03	LESS INFLOW FROM DESIGN INFLOW	-0.05	OTHER CONSTRAINTS	61.00	1.46
15-10-16	57.6	2.5	36.19	2.85	33.34	0	1.44	1.35	101.21	1.33	-1.15	-1.05	LESS INFLOW FROM DESIGN INFLOW	-0.10	LESS GENERATION TO INCREASE RESERVOIR LEVEL	60.17	1.44
16-10-16	57.6	2.5	40.28	2.85	37.43	0	1.62	1.55	101.21	1.54	-0.94	-0.88	LESS INFLOW FROM DESIGN INFLOW	-0.07	OTHER CONSTRAINTS	67.56	1.62
17-10-16	57.6	2.5	40.34	2.85	37.49	0	1.62	1.67	101.21	1.65	-0.83	-0.87	LESS INFLOW FROM DESIGN INFLOW	0.04	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	67.66	1.62
18-10-16	57.6	2.5	39.92	2.85	37.07	0	1.60	1.56	101.21	1.55	-0.93	-0.89	LESS INFLOW FROM DESIGN INFLOW	-0.04	OTHER CONSTRAINTS	66.92	1.61
19-10-16	57.6	2.5	44.79	2.85	41.94	0	1.82	1.58	101.21	1.57	-0.91	-0.68	LESS INFLOW FROM DESIGN INFLOW	-0.23	OTHER CONSTRAINTS	75.71	1.82
20-10-16	57.6	2.5	39.31	2.85	36.46	0	1.58	1.62	101.21	1.61	-0.87	-0.92	LESS INFLOW FROM DESIGN INFLOW	0.05	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	65.81	1.58
21-10-16	50.8	2.2	35.04	2.85	32.19	0	1.46	1.46	101.21	1.44	-0.75	-0.75	LESS INFLOW FROM DESIGN INFLOW	0.00		58.11	1.39
22-10-16	50.8	2.2	35.86	2.85	33.01	0	1.43	1.44	101.21	1.43	-0.76	-0.77	LESS INFLOW FROM DESIGN INFLOW	0.01	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	59.59	1.43
23-10-16	50.8	2.2	35.52	2.85	32.67	0	1.41	1.39	101.21	1.38	-0.81	-0.79	LESS INFLOW FROM DESIGN INFLOW	-0.02	OTHER CONSTRAINTS	58.98	1.42
24-10-16	50.8	2.2	35.48	2.85	32.63	0	1.41	1.29	101.21	1.28	-0.92	-0.79	LESS INFLOW FROM DESIGN INFLOW	-0.13	OTHER CONSTRAINTS	58.89	1.41
25-10-16	50.8	2.2	34.50	2.85	31.65	0	1.37	1.22	101.21	1.21	-0.98	-0.83	LESS INFLOW FROM DESIGN INFLOW	-0.15	OTHER CONSTRAINTS	57.13	1.37
26-10-16	50.8	2.2	33.78	2.85	30.93	0	1.34	1.28	101.21	1.27	-0.92	-0.86	LESS INFLOW FROM DESIGN INFLOW	-0.05	OTHER CONSTRAINTS	55.84	1.34
27-10-16	50.8	2.2	29.58	2.85	26.73	0	1.16	1.13	101.21	1.12	-1.07	-1.04	LESS INFLOW FROM DESIGN INFLOW	-0.03	OTHER CONSTRAINTS	48.24	1.16
28-10-16	50.8	2.2	32.60	2.85	29.75	0	1.29	1.25	101.21	1.24	-0.95	-0.91	LESS INFLOW FROM DESIGN INFLOW	-0.04	OTHER CONSTRAINTS	53.70	1.29
29-10-16	50.8	2.2	31.12	2.85	28.27	0	1.22	1.13	101.21	1.12	-1.07	-0.98	LESS INFLOW FROM DESIGN INFLOW	-0.09	OTHER CONSTRAINTS	51.02	1.22
30-10-16	50.8	2.2	28.60	2.85	25.75	0	1.11	1.12	101.21	1.11	-1.08	-1.09	LESS INFLOW FROM DESIGN INFLOW	0.01	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	46.48	1.12
31-10-16	50.8	2.2	28.29	2.85	25.44	0	1.10	0.87	101.21	0.86	-1.33	-1.10	LESS INFLOW FROM DESIGN INFLOW	-0.23	LESS GENERATION TO INCREASE RESERVOIR LEVEL	45.93	1.10
01-11-16	45.4	2.0	25.55	2.85	22.70	0	0.98	0.88	101.21	0.87	-1.09	-0.98	LESS INFLOW FROM DESIGN INFLOW	-0.10	LESS GENERATION TO INCREASE RESERVOIR LEVEL	40.98	0.98
02-11-16	45.4	2.0	27.13	2.85	24.28	0	1.05	0.85	101.21	0.85	-1.11	-0.92	LESS INFLOW FROM DESIGN INFLOW	-0.20	LESS GENERATION TO INCREASE RESERVOIR LEVEL	43.82	1.05
03-11-16	45.4	2.0	29.20	2.85	26.35	0	1.14	1.00	101.21	0.99	-0.96	-0.83	LESS INFLOW FROM DESIGN INFLOW	-0.14	OTHER CONSTRAINTS	47.57	1.14
04-11-16	45.4	2.0	26.97	2.85	24.12	0	1.04	1.08	101.21	1.07	-0.89	-0.92	LESS INFLOW FROM DESIGN INFLOW	0.03	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	43.54	1.04
05-11-16	45.4	2.0	23.01	2.85	20.16	0	0.87	0.96	101.21	0.95	-1.01	-1.09	LESS INFLOW FROM DESIGN INFLOW	0.08	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	36.39	0.87
06-11-16	45.4	2.0	25.19	2.85	22.34	0	0.97	0.86	101.21	0.85	-1.11	-1.00	LESS INFLOW FROM DESIGN INFLOW	-0.11	OTHER CONSTRAINTS	40.32	0.97
07-11-16	45.4	2.0	24.17	2.85	21.32	0	0.92	0.91	101.21	0.93	-1.06	-1.04	LESS INFLOW FROM DESIGN INFLOW	-0.02	OTHER CONSTRAINTS	38.49	0.92
08-11-16	45.4	2.0	24.55	2.85	21.70	0	0.94	0.90	101.21	0.89	-1.07	-1.03	LESS INFLOW FROM DESIGN INFLOW	-0.04	OTHER CONSTRAINTS	39.17	0.94
09-11-16	45.4	2.0	23.84	2.85	20.99	0	0.91	0.87	101.21	0.86	-1.10	-1.06	LESS INFLOW FROM DESIGN INFLOW	-0.04	OTHER CONSTRAINTS	37.89	0.91
10-11-16	45.4	2.0	24.12	2.85	21.27	0	0.92	0.87	101.21	0.86	-1.10	-1.05	LESS INFLOW FROM DESIGN INFLOW	-0.05	OTHER CONSTRAINTS	38.39	0.92
11-11-16	41.3	1.8	21.89	2.85	19.04	0	0.82	0.82	101.21	0.82	-0.97	-0.96	LESS INFLOW FROM DESIGN INFLOW	0.00		34.37	0.82
12-11-16	41.3	1.8	19.53	2.85	16.68	0	0.72	0.81	101.21	0.81	-0.98	-1.07	LESS INFLOW FROM DESIGN INFLOW	0.09	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	30.10	0.72
13-11-16	41.3	1.8	22.28	2.85	19.43	0	0.84	0.81	101.21	0.81	-0.98	-0.95	LESS INFLOW FROM DESIGN INFLOW	-0.03	OTHER CONSTRAINTS	35.08	0.84
14-11-16	41.3	1.8	25.91	2.85	23.06	0	1.00	0.76	101.21	0.75	-1.03	-0.79	LESS INFLOW FROM DESIGN INFLOW	-0.24	LESS GENERATION TO INCREASE RESERVOIR LEVEL	41.62	1.00
15-11-16	41.3	1.8	20.57	2.85	17.72	0	0.78	0.78	101.21	0.77	-1.01	-1.01	LESS INFLOW FROM DESIGN INFLOW	0.00		31.99	0.77
16-11-16	41.3	1.8	19.67	2.85	16.82	0	0.76	0.76	101.21	0.75	-1.03	-1.03	LESS INFLOW FROM DESIGN INFLOW	0.00		30.35	0.73
17-11-16	41.3	1.8	19.47	2.85	16.62	0	0.77	0.77	101.21	0.76	-1.02	-1.02	LESS INFLOW FROM DESIGN INFLOW	0.00		30.01	0.72
18-11-16	41.3	1.8	22.22	2.85	19.37	0	0.84	0.80	101.21	0.76	-0.99	-0.95	LESS INFLOW FROM DESIGN INFLOW	-0.04	OTHER CONSTRAINTS	34.97	0.84
19-11-16	41.3	1.8	18.08	2.85	15.23	0	0.66	0.76	101.21	0.75	-1.03	-1.13	LESS INFLOW FROM DESIGN INFLOW	0.10	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	27.49	0.66
20-11-16	41.3	1.8	19.61	2.85	16.76	0	0.73	0.80	101.21	0.79	-0.99	-1.06	LESS INFLOW FROM DESIGN INFLOW	0.07	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	30.25	0.73
21-11-16	35.3	1.5	19.13	2.85	16.28	0	0.70	0.79	101.21	0.78	-0.74	-0.82	LESS INFLOW FROM DESIGN INFLOW	0.09	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	29.39	0.71
22-11-16	35.3	1.5	19.64	2.85	16.79	0	0.75	0.75	101.21	0.75	-0.78	-0.78	LESS INFLOW FROM DESIGN INFLOW	0.00		30.32	0.73
23-11-16	35.3	1.5	19.30	2.85	16.45	0	0.71	0.80	101.21	0.79	-0.73	-0.82	LESS INFLOW FROM DESIGN INFLOW	0.09	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	29.69	0.71
24-11-16	35.3	1.5	17.89	2.85	15.04	0	0.65	0.77	101.21	0.77	-0.76	-0.88	LESS INFLOW FROM DESIGN INFLOW	0.12	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	27.15	0.65
25-11-16	35.3	1.5	18.85	2.85	16.00	0	0.69	0.76	101.21	0.76	-0.77	-0.84	LESS INFLOW FROM DESIGN INFLOW	0.07	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	28.88	0.69
26-11-16	35.3	1.5	20.59	2.85	17.74	0	0.77	0.74	101.21	0.73	-0.79	-0.76	LESS INFLOW FROM DESIGN INFLOW	-0.03	OTHER CONSTRAINTS	32.02	0.77
27-11-16	35.3	1.5	20.02	2.85	17.17	0	0.74	0.75	101.21	0.75	-0.78	-0.79	LESS INFLOW FROM DESIGN INFLOW	0.01	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	31.00	0.74
28-11-16	35.3	1.5	19.17	2.85	16.32	0	0.71	0.74	101.21	0.74	-0.79	-0.82	LESS INFLOW FROM DESIGN INFLOW	0.04	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	29.45	0.71
29-11-16	35.3	1.5	21.09	2.85	18.24	0	0.79	0.72	101.21	0.72	-0.81	-0.74	LESS INFLOW FROM DESIGN INFLOW	-0.07	OTHER CONSTRAINTS	32.93	0.79
30-11-16	35.3	1.5	19.62	2.85	16.77	0	0.73	0.74	101.21	0.73	-0.79	-0.80	LESS INFLOW FROM DESIGN INFLOW	0.01	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	30.27	0.73
01-12-16	31.7	1.4	20.25	2.85	17.40	0	0.75	0.58	80.33	0.57	-0.80	-0.62	LESS INFLOW FROM DESIGN INFLOW	-0.18	LESS GENERATION TO INCREASE RESERVOIR LEVEL	31.40	0.75
02-12-16	31.7	1.4	20.30	2.85	17.45	0	0.76	0.59	80.33	0.58	-0.79	-0.62	LESS INFLOW FROM DESIGN INFLOW	-0.17	LESS GENERATION TO INCREASE RESERVOIR LEVEL	31.50	0.76
03-12-16	31.7	1.4	18.28	2.85	15.43	0	0.67	0.61	80.33	0.61	-0.76	-0.71	LESS INFLOW FROM DESIGN INFLOW	-0.05	OTHER CONSTRAINTS	27.85	0.67

DATE	Design Inflow available for Generation (Cumecs)	Design Energy (MU)	Actual Inflow Available (Cumecs)	Mandatory Downstram Release (Cumecs)	Actual Inflow Available for Generation (Cumecs)	Spillage (Cumecs)	Maximum possible generation based on actual inflow available (MU)	Actual Generation at GT (MU)	PAF (%)	Ex Bus generation (MU)	Energy shortfall (MU)	Shortfall Beyond control of Power Station	Reasons	Shortfall Within control of Power Station	Reasons	Power potential restricted to 231 MW	Maximum possible generation based on actual inflow available (MU)
04-12-16	31.7	1.4	19.02	2.85	16.17	0	0.70	0.60	80.33	0.59	-0.78	-0.67	LESS INFLOW FROM DESIGN INFLOW	-0.10	OTHER CONSTRAINTS	29.19	0.70
05-12-16	31.7	1.4	19.86	2.85	17.01	0	0.74	0.62	80.33	0.61	-0.75	-0.64	LESS INFLOW FROM DESIGN INFLOW	-0.12	OTHER CONSTRAINTS	30.69	0.74
06-12-16	31.7	1.4	18.18	2.85	15.33	0	0.66	0.67	80.33	0.67	-0.70	-0.71	LESS INFLOW FROM DESIGN INFLOW	0.01	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	27.68	0.66
07-12-16	31.7	1.4	18.03	2.85	15.18	0	0.66	0.62	80.33	0.61	-0.75	-0.72	LESS INFLOW FROM DESIGN INFLOW	-0.04	OTHER CONSTRAINTS	27.39	0.66
08-12-16	31.7	1.4	18.08	2.85	15.23	0	0.66	0.63	80.33	0.62	-0.74	-0.71	LESS INFLOW FROM DESIGN INFLOW	-0.03	OTHER CONSTRAINTS	27.49	0.66
09-12-16	31.7	1.4	17.71	2.85	14.86	0	0.64	0.62	80.33	0.61	-0.76	-0.73	LESS INFLOW FROM DESIGN INFLOW	-0.03	OTHER CONSTRAINTS	26.82	0.64
10-12-16	31.7	1.4	17.86	2.85	15.01	0	0.65	0.62	80.33	0.61	-0.76	-0.72	LESS INFLOW FROM DESIGN INFLOW	-0.03	OTHER CONSTRAINTS	27.09	0.65
11-12-16	29.3	1.3	19.24	2.85	16.39	0	0.71	0.54	73.03	0.54	-0.73	-0.56	LESS INFLOW FROM DESIGN INFLOW	-0.17	OTHER CONSTRAINTS	29.58	0.71
12-12-16	29.3	1.3	18.10	2.85	15.25	0	0.66	0.55	101.21	0.54	-0.72	-0.61	LESS INFLOW FROM DESIGN INFLOW	-0.11	OTHER CONSTRAINTS	27.53	0.66
13-12-16	29.3	1.3	17.94	2.85	15.09	0	0.65	0.58	101.21	0.57	-0.69	-0.62	LESS INFLOW FROM DESIGN INFLOW	-0.07	OTHER CONSTRAINTS	27.24	0.65
14-12-16	29.3	1.3	19.48	2.85	16.63	0	0.72	0.65	81.06	0.65	-0.62	-0.55	LESS INFLOW FROM DESIGN INFLOW	-0.07	OTHER CONSTRAINTS	30.02	0.72
15-12-16	29.3	1.3	17.47	2.85	14.62	0	0.63	0.59	81.06	0.59	-0.68	-0.64	LESS INFLOW FROM DESIGN INFLOW	-0.04	OTHER CONSTRAINTS	26.38	0.63
16-12-16	29.3	1.3	17.99	2.85	15.14	0	0.66	0.58	81.06	0.57	-0.69	-0.61	LESS INFLOW FROM DESIGN INFLOW	-0.08	OTHER CONSTRAINTS	27.32	0.66
17-12-16	29.3	1.3	17.35	2.85	14.50	0	0.63	0.58	81.06	0.58	-0.69	-0.64	LESS INFLOW FROM DESIGN INFLOW	-0.05	OTHER CONSTRAINTS	26.18	0.63
18-12-16	29.3	1.3	15.28	2.85	12.43	0	0.54	0.58	81.06	0.58	-0.69	-0.73	LESS INFLOW FROM DESIGN INFLOW	0.05	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	22.43	0.54
19-12-16	29.3	1.3	14.98	2.85	12.13	0	0.52	0.59	81.06	0.59	-0.68	-0.74	LESS INFLOW FROM DESIGN INFLOW	0.07	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	21.90	0.53
20-12-16	29.3	1.3	16.74	2.85	13.89	0	0.60	0.59	81.06	0.58	-0.68	-0.67	LESS INFLOW FROM DESIGN INFLOW	-0.01	OTHER CONSTRAINTS	25.07	0.60
21-12-16	24.4	1.1	15.36	2.85	12.51	0	0.54	0.54	73.17	0.54	-0.51	-0.52	LESS INFLOW FROM DESIGN INFLOW	0.00	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	22.58	0.54
22-12-16	24.4	1.1	14.21	2.85	11.36	0	0.52	0.52	73.17	0.52	-0.54	-0.54	LESS INFLOW FROM DESIGN INFLOW	0.00		20.50	0.49
23-12-16	24.4	1.1	14.44	2.85	11.59	0	0.53	0.53	73.17	0.52	-0.53	-0.53	LESS INFLOW FROM DESIGN INFLOW	0.00		20.92	0.50
24-12-16	24.4	1.1	14.54	2.85	11.69	0	0.52	0.52	73.17	0.51	-0.54	-0.54	LESS INFLOW FROM DESIGN INFLOW	0.00		21.11	0.51
25-12-16	24.4	1.1	16.52	2.85	13.67	0	0.59	0.50	73.17	0.49	-0.56	-0.47	LESS INFLOW FROM DESIGN INFLOW	-0.09	OTHER CONSTRAINTS	24.67	0.59
26-12-16	24.4	1.1	15.44	2.85	12.59	0	0.55	0.55	73.17	0.54	-0.51	-0.51	LESS INFLOW FROM DESIGN INFLOW	0.00	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	22.73	0.55
27-12-16	24.4	1.1	14.31	2.85	11.46	0	0.52	0.52	73.17	0.51	-0.54	-0.54	LESS INFLOW FROM DESIGN INFLOW	0.00		20.69	0.50
28-12-16	24.4	1.1	14.02	2.85	11.17	0	0.51	0.51	73.17	0.51	-0.55	-0.55	LESS INFLOW FROM DESIGN INFLOW	0.00		20.17	0.48
29-12-16	24.4	1.1	12.44	2.85	9.59	0	0.41	0.53	73.17	0.53	-0.53	-0.64	LESS INFLOW FROM DESIGN INFLOW	0.12	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	17.30	0.42
30-12-16	24.4	1.1	12.10	2.85	9.25	0	0.40	0.54	73.17	0.54	-0.51	-0.66	LESS INFLOW FROM DESIGN INFLOW	0.14	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	16.69	0.40
31-12-16	24.4	1.1	14.53	2.85	11.68	0	0.51	0.57	76.68	0.56	-0.49	-0.55	LESS INFLOW FROM DESIGN INFLOW	0.06	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	21.09	0.51
01-01-17	25.6	1.1	13.44	2.85	10.59	0	0.46	0.54	76.68	0.54	-0.57	-0.65	LESS INFLOW FROM DESIGN INFLOW	0.09	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	19.12	0.46
02-01-17	25.6	1.1	15.59	2.85	12.74	0	0.55	0.52	70.11	0.52	-0.59	-0.56	LESS INFLOW FROM DESIGN INFLOW	-0.03	OTHER CONSTRAINTS	23.00	0.55
03-01-17	25.6	1.1	12.68	2.85	9.83	0	0.43	0.52	70.11	0.52	-0.59	-0.68	LESS INFLOW FROM DESIGN INFLOW	0.10	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	17.74	0.43
04-01-17	25.6	1.1	14.48	2.85	11.63	0	0.53	0.53	70.11	0.52	-0.58	-0.58	LESS INFLOW FROM DESIGN INFLOW	0.00		21.00	0.50
05-01-17	25.6	1.1	13.53	2.85	10.68	0	0.46	0.54	70.11	0.53	-0.57	-0.65	LESS INFLOW FROM DESIGN INFLOW	0.07	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	19.27	0.46
06-01-17	25.6	1.1	16.24	2.85	13.39	0	0.58	0.53	73.17	0.52	-0.58	-0.53	LESS INFLOW FROM DESIGN INFLOW	-0.05	OTHER CONSTRAINTS	24.17	0.58
07-01-17	25.6	1.1	14.86	2.85	12.01	0	0.52	0.52	73.17	0.52	-0.59	-0.59	LESS INFLOW FROM DESIGN INFLOW	0.00		21.68	0.52
08-01-17	25.6	1.1	13.58	2.85	10.73	0	0.52	0.52	73.17	0.51	-0.59	-0.59	LESS INFLOW FROM DESIGN INFLOW	0.00		19.37	0.46
09-01-17	25.6	1.1	14.06	2.85	11.21	0	0.48	0.53	73.17	0.52	-0.58	-0.62	LESS INFLOW FROM DESIGN INFLOW	0.04	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	20.23	0.49
10-01-17	25.6	1.1	14.14	2.85	11.29	0	0.49	0.53	73.17	0.53	-0.58	-0.62	LESS INFLOW FROM DESIGN INFLOW	0.05	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	20.38	0.49
11-01-17	22.7	1.0	12.59	2.85	9.74	0	0.42	0.52	73.17	0.52	-0.46	-0.56	LESS INFLOW FROM DESIGN INFLOW	0.10	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	17.59	0.42
12-01-17	22.7	1.0	12.43	2.85	9.58	0	0.41	0.52	73.17	0.52	-0.46	-0.57	LESS INFLOW FROM DESIGN INFLOW	0.11	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	17.29	0.41
13-01-17	22.7	1.0	12.93	2.85	10.08	0	0.44	0.51	73.17	0.51	-0.47	-0.55	LESS INFLOW FROM DESIGN INFLOW	0.07	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	18.20	0.44
14-01-17	22.7	1.0	12.86	2.85	10.01	0	0.43	0.51	73.17	0.51	-0.47	-0.55	LESS INFLOW FROM DESIGN INFLOW	0.08	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	18.06	0.43
15-01-17	22.7	1.0	11.81	2.85	8.96	0	0.39	0.52	73.17	0.52	-0.46	-0.60	LESS INFLOW FROM DESIGN INFLOW	0.13	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	16.18	0.39
16-01-17	22.7	1.0	14.36	2.85	11.51	0	0.52	0.52	73.17	0.52	-0.46	-0.46	LESS INFLOW FROM DESIGN INFLOW	0.00		20.78	0.50
17-01-17	22.7	1.0	14.78	2.85	11.93	0	0.52	0.49	65.72	0.48	-0.50	-0.47	LESS INFLOW FROM DESIGN INFLOW	-0.03	OTHER CONSTRAINTS	21.53	0.52
18-01-17	22.7	1.0	17.95	2.85	15.10	0	0.65	0.49	67.48	0.49	-0.49	-0.33	LESS INFLOW FROM DESIGN INFLOW	-0.16	OTHER CONSTRAINTS	27.26	0.65
19-01-17	22.7	1.0	15.61	2.85	12.76	0	0.55	0.50	67.48	0.50	-0.48	-0.43	LESS INFLOW FROM DESIGN INFLOW	-0.05	OTHER CONSTRAINTS	23.02	0.55
20-01-17	22.7	1.0	16.33	2.85	13.48	0	0.58	0.50	67.48	0.50	-0.48	-0.40	LESS INFLOW FROM DESIGN INFLOW	-0.08	OTHER CONSTRAINTS	24.33	0.58
21-01-17	20.5	0.9	17.18	2.85	14.33	0	0.62	0.50	67.48	0.50	-0.39	-0.27	LESS INFLOW FROM DESIGN INFLOW	-0.12	OTHER CONSTRAINTS	25.87	0.62
22-01-17	20.5	0.9	14.76	2.85	11.91	0	0.52	0.50	67.48	0.49	-0.39	-0.37	LESS INFLOW FROM DESIGN INFLOW	-0.02	OTHER CONSTRAINTS	21.51	0.52
23-01-17	20.5	0.9	15.48	2.85	12.63	0	0.55	0.50	67.48	0.49	-0.39	-0.34	LESS INFLOW FROM DESIGN INFLOW	-0.05	OTHER CONSTRAINTS	22.80	0.55
24-01-17	20.5	0.9	15.87	2.85	13.02	0	0.56	0.49	67.48	0.49	-0.40	-0.32	LESS INFLOW FROM DESIGN INFLOW	-0.08	OTHER CONSTRAINTS	23.49	0.56
25-01-17	20.5	0.9	19.96	2.85	17.11	0	0.74	0.50	67.48	0.49	-0.38	-0.15	LESS INFLOW FROM DESIGN INFLOW	-0.24	LESS GENERATION TO INCREASE RESERVOIR LEVEL	30.88	0.74
26-01-17	20.5	0.9	24.17	2.85	21.32	0	0.92	0.77	87.19	0.76	-0.12	0.03	EXCESS INFLOW FROM DESIGN INFLOW	-0.15	OTHER CONSTRAINTS	38.48	0.92
27-01-17	20.5	0.9	16.50	2.85	13.65	0	0.59	0.94	101.21	0.93	0.06	-0.30	LESS INFLOW FROM DESIGN INFLOW	0.35	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	24.63	0.59
28-01-17	20.5	0.9	23.01	2.85	20.16	0	0.87	0.83	102.53	0.83	-0.06	-0.02	LESS INFLOW FROM DESIGN INFLOW	-0.04	OTHER CONSTRAINTS	36.40	0.87

DATE	Design Inflow available for Generation (Cumecs)	Design Energy (MU)	Actual Inflow Available (Cumecs)	Mandatory Downstram Release (Cumecs)	Actual Inflow Available for Generation (Cumecs)	Spillage (Cumecs)	Maximum possible generation based on actual inflow available (MU)	Actual Generation at GT (MU)	PAF (%)	Ex Bus generation (MU)	Energy shortfall (MU)	Shortfall Beyond control of Power Station	Reasons	Shortfall Within control of Power Station	Reasons	Power potential restricted to 231 MW	Maximum possible generation based on actual inflow available (MU)
29-01-17	20.5	0.9	21.43	2.85	18.58	0	0.80	0.75	102.53	0.74	-0.14	-0.08	LESS INFLOW FROM DESIGN INFLOW	-0.06	LESS GENERATION TO INCREASE RESERVOIR LEVEL	33.54	0.81
30-01-17	20.5	0.9	18.32	2.85	15.47	0	0.67	1.02	102.53	1.02	0.14	-0.22	LESS INFLOW FROM DESIGN INFLOW	0.35	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	27.93	0.67
31-01-17	20.5	0.9	24.21	2.85	21.36	0	0.92	1.13	102.53	1.13	0.24	0.04	EXCESS INFLOW FROM DESIGN INFLOW	0.20	EXCESS GENERATION BY DEPLETING RESERVOIR LEVEL	38.56	0.93
01-02-17	21.1	0.9	46.16	2.85	43.31	39.26	1.87	0.00	0.00	0.00	-0.91	0.96	EXCESS INFLOW FROM DESIGN INFLOW	-1.87	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	78.18	1.88
02-02-17	21.1	0.9	36.39	2.85	33.54	28.2	1.45	0.00	0.00	0.00	-0.91	0.54	EXCESS INFLOW FROM DESIGN INFLOW	-1.45	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	60.55	1.45
03-02-17	21.1	0.9	39.97	2.85	37.12	32.31	1.61	0.00	0.00	0.00	-0.91	0.69	EXCESS INFLOW FROM DESIGN INFLOW	-1.61	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	66.99	1.61
04-02-17	21.1	0.9	33.34	2.85	30.49	25.78	1.32	0.00	0.00	0.00	-0.91	0.41	EXCESS INFLOW FROM DESIGN INFLOW	-1.32	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	55.04	1.32
05-02-17	21.1	0.9	42.37	2.85	39.52	33.2	1.71	0.00	0.00	0.00	-0.91	0.80	EXCESS INFLOW FROM DESIGN INFLOW	-1.71	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	71.34	1.71
06-02-17	21.1	0.9	45.72	2.85	42.87	37.13	1.86	0.00	0.00	0.00	-0.91	0.94	EXCESS INFLOW FROM DESIGN INFLOW	-1.86	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	77.38	1.86
07-02-17	21.1	0.9	41.56	2.85	38.71	35.41	1.68	0.00	0.00	0.00	-0.91	0.76	EXCESS INFLOW FROM DESIGN INFLOW	-1.68	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	69.87	1.68
08-02-17	21.1	0.9	32.00	2.85	29.15	25.77	1.26	0.00	0.00	0.00	-0.91	0.35	EXCESS INFLOW FROM DESIGN INFLOW	-1.26	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	52.61	1.26
09-02-17	21.1	0.9	33.30	2.85	30.45	26.91	1.32	0.00	0.00	0.00	-0.91	0.40	EXCESS INFLOW FROM DESIGN INFLOW	-1.32	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	54.97	1.32
10-02-17	21.1	0.9	30.28	2.85	27.43	22.82	1.19	0.00	0.00	0.00	-0.91	0.27	EXCESS INFLOW FROM DESIGN INFLOW	-1.19	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	49.51	1.19
11-02-17	21.3	0.9	30.69	2.85	27.84	28.65	1.20	0.00	0.00	0.00	-0.92	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-1.20	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	50.26	1.21
12-02-17	21.3	0.9	31.25	2.85	28.40	24.22	1.23	0.00	0.00	0.00	-0.92	0.31	EXCESS INFLOW FROM DESIGN INFLOW	-1.23	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	51.26	1.23
13-02-17	21.3	0.9	45.17	2.85	42.32	39.09	1.83	0.00	0.00	0.00	-0.92	0.91	EXCESS INFLOW FROM DESIGN INFLOW	-1.83	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	76.39	1.83
14-02-17	21.3	0.9	38.45	2.85	35.60	31.71	1.54	0.00	0.00	0.00	-0.92	0.62	EXCESS INFLOW FROM DESIGN INFLOW	-1.54	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	64.26	1.54
15-02-17	21.3	0.9	30.54	2.85	27.69	23.09	1.20	0.00	0.00	0.00	-0.92	0.28	EXCESS INFLOW FROM DESIGN INFLOW	-1.20	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	49.97	1.20
16-02-17	21.3	0.9	27.86	2.85	25.01	19.9	1.08	0.00	0.00	0.00	-0.92	0.16	EXCESS INFLOW FROM DESIGN INFLOW	-1.08	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	45.14	1.08
17-02-17	21.3	0.9	41.11	2.85	38.26	34.76	1.66	0.00	0.00	0.00	-0.92	0.73	EXCESS INFLOW FROM DESIGN INFLOW	-1.66	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	69.07	1.66
18-02-17	21.3	0.9	51.16	2.85	48.31	43.98	2.09	0.00	0.00	0.00	-0.92	1.17	EXCESS INFLOW FROM DESIGN INFLOW	-2.09	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	87.19	2.09
19-02-17	21.3	0.9	44.59	2.85	41.74	37.92	1.81	0.00	0.00	0.00	-0.92	0.88	EXCESS INFLOW FROM DESIGN INFLOW	-1.81	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	75.34	1.81
20-02-17	21.3	0.9	39.88	2.85	37.03	34.62	1.60	0.00	0.00	0.00	-0.92	0.68	EXCESS INFLOW FROM DESIGN INFLOW	-1.60	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	66.84	1.60
21-02-17	18.4	0.8	41.06	2.85	38.21	34.5	1.65	0.00	0.00	0.00	-0.80	0.86	EXCESS INFLOW FROM DESIGN INFLOW	-1.65	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	68.98	1.66
22-02-17	18.4	0.8	45.15	2.85	42.30	36.54	1.83	0.00	0.00	0.00	-0.80	1.03	EXCESS INFLOW FROM DESIGN INFLOW	-1.83	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	76.34	1.83
23-02-17	18.4	0.8	35.71	2.85	32.86	27.02	1.42	0.00	0.00	0.00	-0.80	0.62	EXCESS INFLOW FROM DESIGN INFLOW	-1.42	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	59.31	1.42
24-02-17	18.4	0.8	31.83	2.85	28.98	22.51	1.25	0.00	0.00	0.00	-0.80	0.46	EXCESS INFLOW FROM DESIGN INFLOW	-1.25	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	52.32	1.26
25-02-17	18.4	0.8	52.84	2.85	49.99	44.16	2.16	0.00	0.00	0.00	-0.80	1.37	EXCESS INFLOW FROM DESIGN INFLOW	-2.16	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	90.24	2.17
26-02-17	18.4	0.8	40.79	2.85	37.94	31.72	1.64	0.00	0.00	0.00	-0.80	0.84	EXCESS INFLOW FROM DESIGN INFLOW	-1.64	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	68.48	1.64
27-02-17	18.4	0.8	34.12	2.85	31.27	27.4	1.35	0.00	0.00	0.00	-0.80	0.56	EXCESS INFLOW FROM DESIGN INFLOW	-1.35	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	56.44	1.35
28-02-17	18.4	0.8	33.38	2.85	30.53	28.88	1.32	0.00	0.00	0.00	-0.80	0.52	EXCESS INFLOW FROM DESIGN INFLOW	-1.32	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	55.10	1.32
01-03-17	22.4	1.0	35.09	2.85	32.24	28.84	1.40	0.00	0.00	0.00	-0.97	0.42	EXCESS INFLOW FROM DESIGN INFLOW	-1.40	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	58.20	1.40
02-03-17	22.4	1.0	38.24	2.85	35.39	32.38	1.53	0.00	0.00	0.00	-0.97	0.56	EXCESS INFLOW FROM DESIGN INFLOW	-1.53	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	63.87	1.53
03-03-17	22.4	1.0	32.90	2.85	30.05	27.34	1.30	0.00	0.00	0.00	-0.97	0.33	EXCESS INFLOW FROM DESIGN INFLOW	-1.30	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	54.24	1.30
04-03-17	22.4	1.0	29.72	2.85	26.87	25.03	1.16	0.00	0.00	0.00	-0.97	0.19	EXCESS INFLOW FROM DESIGN INFLOW	-1.16	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	48.51	1.16
05-03-17	22.4	1.0	34.80	2.85	31.95	28.82	1.38	0.00	0.00	0.00	-0.97	0.41	EXCESS INFLOW FROM DESIGN INFLOW	-1.38	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	57.67	1.38
06-03-17	22.4	1.0	38.60	2.85	35.75	32.62	1.55	0.00	0.00	0.00	-0.97	0.58	EXCESS INFLOW FROM DESIGN INFLOW	-1.55	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	64.52	1.55
07-03-17	22.4	1.0	30.46	2.85	27.61	25.38	1.19	0.00	0.00	0.00	-0.97	0.22	EXCESS INFLOW FROM DESIGN INFLOW	-1.19	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	49.83	1.20
08-03-17	22.4	1.0	29.99	2.85	27.14	25.03	1.17	0.00	0.00	0.00	-0.97	0.20	EXCESS INFLOW FROM DESIGN INFLOW	-1.17	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	48.99	1.18

DATE	Design Inflow available for Generation (Cumecs)	Design Energy (MU)	Actual Inflow Available (Cumecs)	Mandatory Downstram Release (Cumecs)	Actual Inflow Available for Generation (Cumecs)	Spillage (Cumecs)	Maximum possible generation based on actual inflow available (MU)	Actual Generation at GT (MU)	PAF (%)	Ex Bus generation (MU)	Energy shortfall (MU)	Shortfall Beyond control of Power Station	Reasons	Shortfall Within control of Power Station	Reasons	Power potential restricted to 231 MW	Maximum possible generation based on actual inflow available (MU)
09-03-17	22.4	1.0	38.18	2.85	35.33	32.01	1.53	0.00	0.00	0.00	-0.97	0.56	EXCESS INFLOW FROM DESIGN INFLOW	-1.53	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	63.78	1.53
10-03-17	22.4	1.0	42.21	2.85	39.36	24.15	1.70	0.00	0.00	0.00	-0.97	0.73	EXCESS INFLOW FROM DESIGN INFLOW	-1.70	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	71.05	1.71
11-03-17	36.2	1.6	31.55	2.85	28.70	23.85	1.24	0.00	0.00	0.00	-1.57	-0.33	LESS INFLOW FROM DESIGN INFLOW	-1.24	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	51.81	1.24
12-03-17	36.2	1.6	36.51	2.85	33.66	22.65	1.46	0.00	0.00	0.00	-1.57	-0.11	LESS INFLOW FROM DESIGN INFLOW	-1.46	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	60.76	1.46
13-03-17	36.2	1.6	27.06	2.85	24.21	23.04	1.05	0.00	0.00	0.00	-1.57	-0.52	LESS INFLOW FROM DESIGN INFLOW	-1.05	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	43.70	1.05
14-03-17	36.2	1.6	28.39	2.85	25.54	22.7	1.11	0.00	0.00	0.00	-1.57	-0.46	LESS INFLOW FROM DESIGN INFLOW	-1.11	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	46.10	1.11
15-03-17	36.2	1.6	25.95	2.85	23.10	18.17	1.00	0.00	0.00	0.00	-1.57	-0.57	LESS INFLOW FROM DESIGN INFLOW	-1.00	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	41.69	1.00
16-03-17	36.2	1.6	31.10	2.85	28.25	21	1.22	0.00	0.00	0.00	-1.57	-0.35	LESS INFLOW FROM DESIGN INFLOW	-1.22	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	50.98	1.22
17-03-17	36.2	1.6	30.46	2.85	27.61	21	1.19	0.00	0.00	0.00	-1.57	-0.37	LESS INFLOW FROM DESIGN INFLOW	-1.19	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	49.84	1.20
18-03-17	36.2	1.6	29.14	2.85	26.29	21.16	1.14	0.00	0.00	0.00	-1.57	-0.43	LESS INFLOW FROM DESIGN INFLOW	-1.14	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	47.46	1.14
19-03-17	36.2	1.6	26.25	2.85	23.40	20.83	1.01	0.00	0.00	0.00	-1.57	-0.56	LESS INFLOW FROM DESIGN INFLOW	-1.01	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	42.24	1.01
20-03-17	36.2	1.6	29.89	2.85	27.04	24.85	1.17	0.00	0.00	0.00	-1.57	-0.40	LESS INFLOW FROM DESIGN INFLOW	-1.17	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	48.81	1.17
21-03-17	47	2.0	30.43	2.85	27.58	24.72	1.19	0.00	0.00	0.00	-2.04	-0.84	LESS INFLOW FROM DESIGN INFLOW	-1.19	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	49.78	1.19
22-03-17	47	2.0	29.87	2.85	27.02	24.84	1.17	0.00	0.00	0.00	-2.04	-0.87	LESS INFLOW FROM DESIGN INFLOW	-1.17	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	48.76	1.17
23-03-17	47	2.0	31.64	2.85	28.79	25.98	1.25	0.00	0.00	0.00	-2.04	-0.79	LESS INFLOW FROM DESIGN INFLOW	-1.25	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	51.97	1.25
24-03-17	47	2.0	41.39	2.85	38.54	34.85	1.67	0.00	0.00	0.00	-2.04	-0.37	LESS INFLOW FROM DESIGN INFLOW	-1.67	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	69.56	1.67
25-03-17	47	2.0	41.35	2.85	38.50	35.73	1.67	0.00	0.00	0.00	-2.04	-0.37	LESS INFLOW FROM DESIGN INFLOW	-1.67	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	69.50	1.67
26-03-17	47	2.0	34.82	2.85	31.97	46.64	1.38	0.00	0.00	0.00	-2.04	-0.65	LESS INFLOW FROM DESIGN INFLOW	-1.38	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	57.72	1.39
27-03-17	47	2.0	65.25	2.85	62.40	58.29	2.70	0.00	0.00	0.00	-2.04	0.66	EXCESS INFLOW FROM DESIGN INFLOW	-2.70	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	112.63	2.70
28-03-17	47	2.0	77.93	2.85	75.08	68.26	3.25	0.00	0.00	0.00	-2.04	1.21	EXCESS INFLOW FROM DESIGN INFLOW	-3.25	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	135.52	3.25
29-03-17	47	2.0	66.08	2.85	63.23	55.79	2.74	0.00	0.00	0.00	-2.04	0.70	EXCESS INFLOW FROM DESIGN INFLOW	-2.74	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	114.13	2.74
30-03-17	47	2.0	62.57	2.85	59.72	54.01	2.58	0.00	0.00	0.00	-2.04	0.55	EXCESS INFLOW FROM DESIGN INFLOW	-2.58	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	107.80	2.59
31-03-17	47	2.0	70.91	2.85	68.06	63.49	2.95	0.00	0.00	0.00	-2.04	0.91	EXCESS INFLOW FROM DESIGN INFLOW	-2.95	COMPLETE SHUTDOWN OF POWER STATION FOR INSPECTION/REPAIR WORKS OF HRT	122.85	2.95
TOTAL		**1108.17**					**1038.46**	**916.94**			**-191.24**	**-74.98**		**-116.25**			**1037.40**