



Abhishek Rohilla &lt;cerc.abhishek@gmail.com&gt;

---

**Fwd: Comments/Suggestions/Objections with respect to Draft Central Electricity Regulatory Commission (Connectivity and General Network Access to Inter State Transmission System) Regulations,2021**

1 message

---

**Abhishek Rohilla** <abhishek.rohilla@delhi.gov.in>  
To: cerc abhishek <cerc.abhishek@gmail.com>

20 February 2022 at 11:52

Regards,  
Abhishek Rohilla  
Dy. Chief (Engg.)  
Central Electricity Regulatory Commission  
3rd Floor, Chanderlok Building,  
36, Janpath, New Delhi-110001

Mb. 9643439120

----- Forwarded Message -----

From: "Shilpa Agarwal" <shilpa@cercind.gov.in>  
To: "Abhishek Rohilla" <abhishek.rohilla@gov.in>, "Ratnesh Kumar" <ratnesh.cea@gov.in>  
Sent: Tuesday, February 15, 2022 4:57:57 PM  
Subject: Fwd: Comments/Suggestions/Objections with respect to Draft Central Electricity Regulatory Commission (Connectivity and General Network Access to Inter State Transmission System) Regulations,2021

----- Forwarded Message -----

From: rajendra ps <rajendra.ps@adityabirla.com>  
To: Sanoj Kumar Jha <secy@cercind.gov.in>, Shilpa Agarwal <shilpa@cercind.gov.in>  
Sent: Tue, 15 Feb 2022 16:36:12 +0530 (IST)  
Subject: Comments/Suggestions/Objections with respect to Draft Central Electricity Regulatory Commission (Connectivity and General Network Access to Inter State Transmission System) Regulations,2021

Mr. Sanoj Kumar Jha,  
Secretary,  
CERC, Chandralok Building,  
36, Janpath, New Delhi-110001

Dear Sir,

Our organisation Hindalco-Industries Limited is a metals flagship company of the Aditya Birla Group. It is a US\$18 billion metals powerhouse and an industry leader in Aluminium and Copper. Hindalco has cemented the company's position as the world's largest Flat-Rolled products player as well as recycler of the Aluminium. Also, Hindalco ranks among the Global Aluminium Majors as an integrated producer and having Footprint in 09 Countries outside India. Presently Hindalco is generating more than 3450 MW thermal power in India with presence at 08 different locations.

Hindalco-Mahan Aluminium is a Subsidiary Unit of Hindalco Industries Ltd having 359 KTPA Smelter Plant and a 900 MW (6X150MW) Captive Power Plant. Our Plant is accredited with certification of ISO:9001, ISO:14001, ISO: 45001 and ISO:50001.

The basic purpose of our Captive Power Plant is to supply uninterrupted power to Aluminium Smelter, so it's reliability is of prime concern for us. At present we are generating only 637MW with 05 Units in Operation as per Smelter demand. We keep 01 Unit as standby.

Present scenario of Grid connectivity at Hindalco-Mahan CPP:

Mahan is having connectivity with 220kV STU - MPPTCL (Madhya Pradesh Power Transmission Corporation Limited) through double circuit at Sidhi substation which is about 80 KM away from our location. Both lines pass through forests/ hilly areas and having total 263 numbers of towers. Long distance, large number of towers and terrains adversely impact reliability of both the Grid lines. Also we face following issues with the existing STU Grid:

? Voltage remains at higher side (> 230 kV) most of the time throughout the year and it fluctuates frequently between 216kV to 243kV during rainy season.

- \* Variation in frequency is also very high (In between 49.55Hz to 50.50 Hz).
- \* On an average, we face 35-40 times Station Islanding in a year.
- \* In case of emergency, we can draw only 40 MVA (Max) from STU. Also STU do not have surplus power to support us during

any emergency (in case of tripping of our Generating Station).

So, various issues related with weak STU Grid and reliability issues with the Transmission Lines pose a threat for uninterrupted operation of our CPP and thus for the Aluminium Smelter.

Our plan for ensuring reliable Operation at Hindalco-Mahan CPP:

Having connectivity with a healthy 400kV ISTS Grid at Power Grid Vindhyaachal Substation, Khamaria, District-Singrauli, Madhya Pradesh which is only 30-35 KM away from our Plant.

Comments/Suggestions/Objections with respect to Draft Central Electricity Regulatory Commission (Connectivity and General Network Access to Inter State Transmission System) Regulations, 2021:

As CERC has invited comments/suggestions/objections on draft CERC regulation'2021, we would like to mention our need and request to incorporate changes in the Regulation if required so that we get the connectivity for reliable operation of our CPP. Our prime need is:

? Connectivity with 400kV ISTS Grid for reliable operation of our CPP. No continuous export/ import from the Grid

\* Permission to export power 250-260 MW in the worst scenario of load rejection.

? Permission to import power 250-260 MW at least for 2 to 3 hours in case of Blackout (No such incident happened in last 03 years) to sustain operation of Aluminium Potline.

Also I would like to mention that we have generating capacity of 900MW, but we are generating only 637 MW as per demand of the Smelter with 05 Units in operation and keeping 01 Unit as standby.

In future we may think of power trading with ISTS.

With Regards,

RP Singh  
Vice President

[Graphical user interface, text Description automatically generated]

Hindalco Industries Limited

Unit: Mahan Aluminium,

NH-75E , Singrauli-Sidhi Road , Bargawan , Singrauli , Madhya Pradesh , PIN - 486886

T: +91 07805261737 | M: +919889032189

E: [rajendra.ps@adityabirla.com](mailto:rajendra.ps@adityabirla.com) | W: [www.hindalco.com](http://www.hindalco.com) | <http://www.adityabirla.com/>

We manufacture materials that make the world Greener - Stronger - Smarter

The information contained in this electronic communication is intended solely for the individual(s) or entity to which it is addressed. It may contain proprietary, confidential and/or legally privileged information. Any review, retransmission, dissemination, printing, copying or other use of, or taking any action in reliance on the contents of this information by person(s) or entities other than the intended recipient is strictly prohibited and may be unlawful. If you have received this communication in error, please notify us by responding to this email or telephone and immediately and permanently delete all copies of this message and any attachments from your system(s). The contents of this message do not necessarily represent the views or policies of Aditya Birla Group.


Computer viruses can be transmitted via email. Aditya Birla Group Companies attempts to sweep e-mails and attachments for viruses, it does not guarantee that either are virus free. The recipient should check this email and any attachments for the presence of viruses. Aditya Birla Group does not accept any liability for any damage sustained as a result of viruses.

---

## 2 attachments



image001.jpg  
7K

 **Comments against Draft CERC Regulation, 2021.docx**  
19K

Date: 15.02.22

**Mr. Sanoj Kumar Jha,**  
Secretary,  
CERC, Chandralok Building,  
36, Janpath, New Delhi-110001

**Subject:**

Comments/Suggestions/Objections with respect to Draft Central Electricity Regulatory Commission (Connectivity and General Network Access to Inter State Transmission System) Regulations,2021

Dear Sir,

Our organisation Hindalco-Industries Limited is a metals flagship company of the Aditya Birla Group. It is a US\$18 billion metals powerhouse and an industry leader in Aluminium and Copper. Hindalco has cemented the company's position as the world's largest Flat-Rolled products player as well as recycler of the Aluminium. Also, Hindalco ranks among the Global Aluminium Majors as an integrated producer and having Footprint in 09 Countries outside India. Presently Hindalco is generating more than 3450 MW thermal power in India with presence at 08 different locations.

Hindalco-Mahan Aluminium is a Subsidiary Unit of Hindalco Industries Ltd having 359 KTPA Smelter Plant and a 900 MW (6X150MW) Captive Power Plant. Our Plant is accredited with certification of ISO:9001, ISO:14001, ISO: 45001 and ISO:50001.

The basic purpose of our Captive Power Plant is to supply uninterrupted power to Aluminium Smelter, so it's reliability is of prime concern for us. At present we are generating only 637MW with 05 Units in Operation as per Smelter demand. We keep 01 Unit as standby.

**Present scenario of Grid connectivity at Hindalco-Mahan CPP:**

Mahan is having connectivity with 220kV STU - MPPTCL (Madhya Pradesh Power Transmission Corporation Limited) through double circuit at Sidhi substation which is about 80 KM away from our location. Both lines pass through forests/ hilly areas and having total 263 numbers of towers. Long distance, large number of towers and terrains adversely impact reliability of both the Grid lines. Also we face following issues with the existing STU Grid:

- Voltage remains at higher side (> 230 kV) most of the time throughout the year and it fluctuates frequently between 216kV to 243kV during rainy season.
- Variation in frequency is also very high (In between 49.55Hz to 50.50 Hz).
- On an average, we face 35-40 times Station Islanding in a year.

- In case of emergency, we can draw only 40 MVA (Max) from STU. Also STU do not have surplus power to support us during any emergency (in case of tripping of our Generating Station).

So, various issues related with weak STU Grid and reliability issues with the Transmission Lines pose a threat for uninterrupted operation of our CPP and thus for the Aluminium Smelter.

#### **Our plan for ensuring reliable Operation at Hindalco-Mahan CPP:**

Having connectivity with a healthy 400kV ISTS Grid at Power Grid Vindhyachal Substation, Khamaria, District-Singrauli, Madhya Pradesh which is only 30-35 KM away from our Plant.

#### **Comments/Suggestions/Objections with respect to Draft Central Electricity Regulatory Commission (Connectivity and General Network Access to Inter State Transmission System) Regulations, 2021:**

As CERC has invited comments/suggestions/objections on draft CERC regulation'2021, we would like to mention our need and request to incorporate changes in the Regulation if required so that we get the connectivity for reliable operation of our CPP.

##### Our prime need is:

- Connectivity with 400kV ISTS Grid for reliable operation of our CPP. No continuous export/ import from the Grid
- Permission to export power 250-260 MW in the worst scenario of load rejection.
- Permission to import power 250-260 MW at least for 2 to 3 hours in case of Blackout (No such incident happened in last 03 years) to sustain operation of Aluminium Potline.

Also I would like to mention that we have generating capacity of 900MW, but we are generating only 637 MW as per demand of the Smelter with 05 Units in operation and keeping 01 Unit as standby.

In future we may think of power trading with ISTS.

With Regards,

RP Singh

Vice President

Hindalco Industries Limited

Unit: Mahan Aluminium | M: +91 9889032189 | [rajendra.ps@adityabirla.com](mailto:rajendra.ps@adityabirla.com)