

CIN No. U40105DL2009GOI188682

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड

(भारत सरकार का उद्यम)

भूतपूर्व पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

GRID CONTROLLER OF INDIA LIMITED

(A Government of India Enterprise)

Erstwhile POWER SYSTEM OPERATION CORPORATION LIMITED

दक्षिण क्षेत्रीय लोड डिस्पैच केन्द्र, 29, रेस कोर्स क्रॉस रोड, बेंगलूर - 560 009

SOUTHERN REGIONAL LOAD DESPATCH CENTRE, 29, RACECOURSE CROSS ROAD, BENGALURU - 560 009



25-07-2026

सन्दर्भ/Ref: एसआरएलडिसी SRLDC/SO/2026/

सेवा मेरे/To

Director, M/S Greenko

Second Floor, Block-D, Plot No. 13, Sy. No.64

Hitech City, Madhapur Village, Telangana-500081

Sub: URGENT - Under-Frequency Tripping of GREENKO PSP Units in Generation Mode on 25-07-2026 and Compliance of under frequency settings with CEA Connectivity Standards

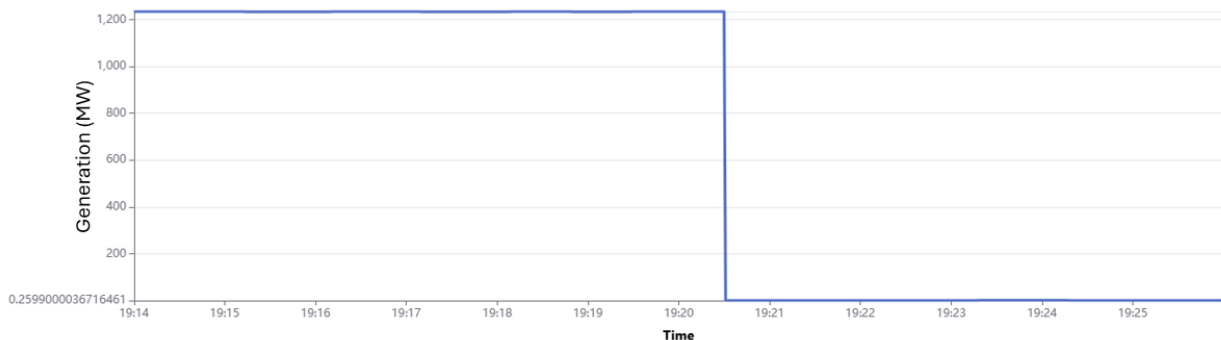
Sir/Madam,

It is to bring to your kind attention that on 25-07-2026 at 19:20 Hrs, when the system frequency reached 49.5 Hz, the GREENKO Pumped Storage Plant (PSP) units operating in generation mode tripped on under-frequency protection. As informed by GREENKO, all five generating units in operation tripped simultaneously, resulting in a generation loss of approximately 1200 MW, which further deteriorated the system frequency to around 49.42 Hz as shown below.

Frequency at Somanahalli PMU



GREENKO PSP Generation



In this regard, attention is invited to the GREENKO response to the SRLDC letter regarding the Automatic Disconnection of Hydro Plants Operating in Pump Mode before the First Stage of UFR dated 14-05-2026, wherein it was informed that the under-frequency protection setting for units operating in pumping mode had been revised to 49.5 Hz. Further, attention is invited to the deliberations held during the 143rd Protection Coordination Sub-Committee (PCSC) Meeting of SRPC held on 08-06-2026 and the 239th Operation Coordination Sub-Committee (OCC) Meeting held on 10-06-2026, wherein it was categorically decided that the under-frequency protection setting of 49.5 Hz with a time delay of 50–75 ms is applicable only for units operating in pumping mode. It was further reiterated that the under-frequency protection settings for generating units shall be in accordance with the provisions of the Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations.

The relevant provision of the CEA Regulations states:

"The generating units shall be capable of operating in the frequency range of 47.5 Hz to 52 Hz and shall be able to deliver rated output in the frequency range of 49.5 Hz to 50.5 Hz."

In view of the above, the tripping of the generating units while operating in generation mode at around 49.5 Hz is not in line with the deliberations of the PCSC and OCC meetings as well as the above-mentioned CEA Connectivity Standards.

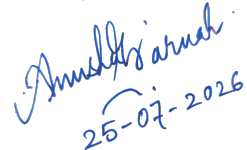
Accordingly, it is requested to:

- Review and modify the under-frequency protection settings applicable during generation mode to ensure compliance with the Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, with the under-frequency protection setting being lower than 47.5 Hz, in consultation with OEM.
- Submit a compliance report, along with the revised protection settings at the earliest

Kindly treat this matter as most urgent for Grid Security.

धन्यवाद, Thanking you,

भवदीय / Yours faithfully,



Anusha Baruah/ अनुषा बरुआ

Deputy General Manager, System Operation (Protection)

उप महाप्रबंधक, सिस्टम ऑपरेशन (सुरक्षा)

को कॉपी / Copy To:

1. सदस्य सचिव एसआरपीसी, बेंगलुरु / Member Secretary SRPC, Bengaluru
2. कार्यकारी निदेशक, एनएलडीसी, नई दिल्ली / Executive Director, NLDC New Delhi
3. कार्यकारी निदेशक एसआरएलडीसी बेंगलुरु/ Executive Director, SRLDC Bengaluru
4. मुख्य महाप्रबंधक (सिस्टम ऑपरेशन-1) एसआरएलडीसी बेंगलुरु /Chief General Manager (System Operation-1), SRLDC Bengaluru