V. ARUN ROY, I.A.S,
Chairperson, SRPC &
Chairman, TNEB Ltd.

144, Anna Salai,
Chennai – 2.

The Chairperson
National Committee on Transmission (NCT)
New Delhi

Subject: Expeditious consideration of pending proposals for enhancement of reverse power flow capability through the Raigarh–Pugalur HVDC System-Reg

Sir,

Kind attention is invited to the proposal for enhancement of the reverse power flow capability of the Raigarh–Pugalur HVDC System, which has been under deliberation in various SRPC forums for the past few years and is of significant importance for strengthening inter-regional power transfer between the Southern and Western Regions.

The Raigarh–Pugalur HVDC System presently facilitates an export capability of about 3,000 MW from the Southern Region, while the import capability is 6,000 MW. With the rapid growth of renewable energy generation in the Southern Region, enhancement of the reverse power transfer capability has assumed greater operational significance to enable efficient evacuation of surplus power and improve overall grid flexibility.

The proposal has undergone extensive technical examination through deliberations in SRPC, CEA and the NCT. Subsequently, a committee comprising representatives from CEA, CTUIL, POWERGRID, GRID-INDIA, SRPC and WRPC was constituted by CEA to comprehensively examine the technical, operational and implementation aspects associated with enhancement of the reverse power flow capability from 3,000 MW to 6,000 MW.

The Committee has since completed its deliberations and submitted its report to CEA. During the discussions in SRPC, it was informed that the technical studies have established the feasibility of achieving the enhanced reverse power flow through a combination of HVDC augmentation, AC system strengthening in WR & SR and certain network reconfigurations, including the proposed shifting of identified generating stations in WR. It was also informed that the required AC system strengthening in the Southern Region and Western Region has largely been addressed, while the remaining proposals pertaining to the shifting of Western Region generators and augmentation of the Raigarh–Pugalur HVDC stations are presently awaiting approval of the National Committee on Transmission.

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The matter was again deliberated during the 58th meetings of SRPC, wherein the constituents observed that the proposal has remained under consideration for a considerable period. The Forum expressed the view that early approval would facilitate timely implementation of the required transmission system strengthening and significantly improve the capability for transfer of surplus renewable power from the Southern Region, particularly in view of the increasing penetration of renewable energy resources.

Considering the strategic importance of this scheme for facilitating higher inter-regional power transfers and enabling effective integration of renewable energy, it is requested that the matter could be accorded priority consideration.

Thanking you,

Yours faithfully,

(Chairperson, SRPC)