

NWO-CM-II Cell  
BSNL Corporate Office  
Bharat Sanchar Bhawan,  
Janpath, New Delhi-110001



भारत संचार निगम लिमिटेड  
(भारत सरकार का उद्यम)

BHARAT SANCHAR NIGAM LIMITED  
(A Government of India Enterprise)

No: BSNLCO-COMN/17(11)/27/2024-NWO CM II

Date: 21-10-2025

To  
The Vice President  
TCS, BSNL 4G Project

**Sub: Low radiation of Tx Power of RRH in LTE / eNodeB of TCS deployed Phase IX.2 Project.**

It is to bring to your attention a persistent issue regarding the low transmission (Tx) power levels observed in the Remote Radio Heads (RRHs) of LTE/eNodeB sites deployed by M/s TCS under the Phase IX.2 Project. As communicated by your team in various meetings, the threshold Tx power level has been configured at 45 dBm across all circles, except for Rajasthan, where it is set at 43 dBm. However, field observations indicate that a significant number of sites are radiating Tx power levels well below these thresholds, often less than 35 dBm.

This discrepancy has been consistently highlighted by circles, as it is leading to potential hardware faults, connectivity disruptions, and suboptimal network performance. To quantify the extent of the problem, a comprehensive dump of instantaneous transmission power data from the Network Management System (NMS) was extracted and analysed on October 14, 2025. The circle-wise summary of our findings is attached as Annexure-I for your reference. Alarming, the analysis reveals a concerning issue: over 132,000 cells are currently transmitting power below 35 dBm, including approximately 67,000 cells for which no transmission power data was reported.

The reduced Tx power levels are causing a range of operational and customer-facing issues, including limited coverage footprint, latching difficulties for User Equipment (UEs), poor signal quality and interference, reduced data throughput and access, higher call drop and handover failure rates etc.

In light of the above, we kindly request your immediate intervention to investigate and resolve this issue. Please ensure that all affected cells are reconfigured / replaced with healthy hardware to radiate Tx power at the prescribed threshold levels, thereby delivering the expected service quality to BSNL customers.

It is requested to direct the concerned teams to address this matter on a time-bound basis and provide weekly progress reports to this office via email at [controlroom4g.bsnlco@bsnl.co.in](mailto:controlroom4g.bsnlco@bsnl.co.in).

This communication is issued with the approval of the competent authority.

Milan Jain  
(AGM NWO CM-I)

Copy to:

1. Director (CM), BSNL Board for kind information please.
2. PGM (NWP-GSM) BSNL CO for kind information please.
3. CGMs All Telecom Circles/TD, for kind information & n/a please.
4. M/s Tejas for necessary action please.