



BSNLCO-NWSP/11/3/2022-NWP-SP/3

Dated 16.09.2022

To

Chief General Manager  
All Telecom Circles, BSNL

**Subject: Media planning for Government funded Saturation 4G coverage Project.**

It is noted that Circles are in the final phase of survey to identify the suitable land for sites installation. Various instructions / advisories have already been issued regarding the survey and sites finalization process. Planning of media connectivity to the sites is an important aspect based on the accuracy of the survey, and in this regard following points need to be kept in consideration:

**1. OFC Media:**

- 1.1. Circles have to prioritize the use of BSNL/ BBNL/ BharatNet/ State-led model of BharatNet cable wherever feasible and available. BSNL will be paid only for incremental OF cable. This will enable utilization of Bharatnet Fiber in optimum level.
- 1.2. In case of state-led model of BharatNet cable, dark fiber may be taken @ Rs 6000 +/- 50% per fiber per Km nnum. BSNL circle team shall take a lead and apply for such fiber usage @ Rs 6000/fibre/km/year. In case the States do not agree on the proposed rate then matter may be escalated to USOF wherever required.
- 1.3. Circles are required to finalize the scope for the 24 Fiber underground OFC construction work and make ready the draft tender document for floating. Once the survey work completed and actual OFC quantities are derived, tender can be floated without any delay. The tender document shall be concise, clear and in simple language without any ambiguity. It is expected that Circles shall complete this task of drafting and finalizing of Scope and tender document within next 5 days i.e. by 21.09.2022.
- 1.4. Circles can decide to float the tender at Circle level or BA level but there should be uniformity in the tender document issued for OFC work in the Circle. The scheduled date for tender floating for creation of OFC network shall be taken as 30.09.2022. In cases where survey takes time Law & Order issue or not accessible areas or *force majeure* in that case tenders be floated with a variation clause of 50% work.

- 1.5. All Circles shall convey the date of tender floated, alongwith the details of Routes (eg. Name of route, length of route etc) and timelines stipulated for opening, finalization etc. , to this office.
- 1.6. There may be number of places where laying UG OFC may not be feasible especially in hilly areas. In that case, the Circles may take up with respective State government to allow laying Overhead OFC using transmission poles preferably free of cost. However same may be negotiated as deemed fit as per amended RoW guidelines for use of street infrastructure to deploy telecom equipment. Erection of overhead OFC is easy, time saving, low maintenance and cost effective task.
- 1.7. Based on Circles inputs and firm consolidated requirement (not in truncated manner), BSNL CO will procure ADSS Fiber Optic Cable along with accessories.

## 2. Radio / MW Media :

- 2.1. Wherever LoS permits, media over radio / microwave shall be planned. MW media is the easiest, very less time consuming, very low maintenance and least cost.
  - 2.2. Some Circles has indicated about use of Multihop MW sites, Circles can plan. If such planning data can't be entered in cluster / Gati Shakti portal, then such planning shall be done offline and consolidated requirement for the Circle be sent to this office for further taking up with USOF for viability gap funding.
3. It is understood that up-gradation of backend media is already taken care of in planning of BSNL own 4G network, but still if backend media including CPAN at any B-end site requires to be up-graded, the same may be planned immediately. Further if any requirement of RTT / GBT / Pole / Mast at B-end site, then same may also be planned and the case be sent to this office alongwith details to this office for approval of financial capital expenditure.

  
(D K Agrawal)  
PGM (LWE Projects)