

**BHARAT SANCHAR NIGAM LTD**  
*Office of the Sub Divisional Engineer (Extl) Vaikom*

To

The AGM(O/P)  
BSNL  
Kottayam

No: G7/KTM/2016-17/ dtd 8/11/2017.

*Sub: Faulty pair retrieval work in cable network of Vaikom (external) in connection with digging work of external agency*

*Under Vaikom exchange area, from Vypinpady to Vadayar in connection with KSTP work both sides of PWD road were thickly concreted. On locating cable faults along these routes we found so many faulty joints of different sizes under this concrete and tar portion. With concrete cutter only we can access these joints and it is very difficult to get permission from PWD to execute this work.*

*So whenever an external agency starts their digging work in our area, we contact the concerned person and get their route of execution. With help of concerned section TT's and petty workers, we mark the faulty joints to be cleared. We closely monitor their work for reducing damage to our existing cables as well as for tracing our faulty joints. When their work comes near our proposed joints, with help of their work force we get the concrete cut in our required areas. After attending faults we laid interlocking bricks over main joints for access in future. We also shifted distribution joints to the side of the road so that future maintenance can be done without road cutting.*

*Some of our major achievements were shown below*

- 1. In connection with reliance work, one 100/.5 pr faulty joint in pulinchuvadu JN traced after cutting concrete. Erected one 200 pr mini pillar near that jn and found all pairs ok and given new connections in that area. It was a very successful work*
- 2. In connection with PWD work at TV Puram got one 400/.5 pr faulty joint which was not traceable. From this joint 200/.5 pr each terminates to 31 and 21 pillar. We got 160 good pair there and now sufficient verticals are available in these pillars.*
- 3. In connection with KWA and PWD work we got so many distribution faulty joints and spare innerzone vertical cables (100/.5x1 near post office 50/.5 pr near vypinpady, 50/.5 opp to KSRTC) which were under concrete.*  
*Near Valiyakavala Jn got one 50/.5 pr faulty joint under concrete. With help of PWD workmen a small concrete chamber made around this joint with concrete lid for further access in future.*

*In connection with reliance work we got 20/.5 x1 and 10/.5x2 faulty joints near KWA office. After clearing faults in these joints long span alignment to KWA office changed to this nearby joint.*

4. Also with help of these people we laid 100-150 m cables of different sizes in main roads for avoiding faulty portion of cables under culvert in connection with KSTP work.
1. Near Vadayar bridge laid 120 m 50/.5 pr cable and opposite Vallakom church laid 90 m 50/.5 pr cable in this month.
  2. In Asram rd and ABT road laid 100 m and 90 m 10/.5 pr respectively.
5. Last week in connection with KWA work we got one 100 pr faulty joint near Vadayar main road bus stop. Now we are planning a new mini pillar there.
6. While penetrating municipality rd in Valiyakavala by KWA opposite to our 44 pillar we laid a spare 20 pr cable to opposite building along with this pipe laying work.

By these works we got around 310 new connections in 2016-17 and 285 new connections in 2017-18.

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