

## **Corrigendum - I**

### **Tender No. WTL/HC/CON/17-18/012 dated 22/06/2017**

The matter mentioned below has been included in **Scope of Work (Section – A)**.

For OFC laying, 6 core single mode underground Optical Fibres are to be laid for connecting the buildings. Fibre Optic cables shall be laid underground at least 1.2 meter below the finished ground level inside the medium gauge HDPE pipe (Telecom or BSNL approved) of appropriate diameter and shall be provided with at least 50 mm sand cushioning both at top and bottom of the HDPE pipe. For safety, bricks to be laid over the top 50mm sand cushioning of the HDPE pipe. The 10 inch side of the bricks shall be placed perpendicular to the HDPE pipe. After cable laying, the trenches shall be back filled and well rammed, consolidated and sufficient allowance made for settlement. For crossing of Road/Concrete etc. the cable shall be laid through medium duty GI pipes. In each cable run, some extra length shall be kept at suitable points to enable one or two straight through joints in future. When a number of cables are laid together, the extra cable length shall be adjusted to stagger the straight through joints. Suitable cable route markers shall be provided at a distance of every 100 to 150 meters on the cable route and also at places or corners wherever the route of the cable changes.

For overhead Cables outside the office building (along the wall) , Fibre Optic cables shall be laid directly inside the HDPE pipe of necessary dia. HDPE pipes shall be firmly supported in position by means of heavy gauge saddles. Each cable shall be individually attached to the respective termination panel by mechanical means. Each fibre cable shall be stripped upon entering the termination panel an individual fibre routed in the terminal panel. Each cable shall be clearly labeled at entrance to the termination point. Cables labeled within the bundle shall not be acceptable. Dust cap shall be provided on the connector cup link. GI pipes sleeves shall be used for routing cables embedded through concrete/foundation/floors/ walls in buildings. GI pipe shall be of medium gauge. Termination and distribution of fibre optic cable shall be carried out by fusion splicing. Inside the room fibre cable can be laid through PVC Casing for maintaining the beauty of the room (whenever necessary).

For indoor surface UTP cable laying & termination (if required), PVC Casing/ Capping/ PVC pipe of suitable size shall be employed. Flexible metallic pipe(GI) shall be used for wall /floor embedding and for crossing the existing wiring. The cables shall be dressed and terminated in accordance with the recommendations made in the relevant TIA /EIA standard document, manufacturer's recommendation and/or best industry practices.

On-site comprehensive maintenance of all hardware devices included in the Bill of Material during the warranty period (as mentioned in subsequent sections) from the date of successful installation and acceptance of the system of all hardware devices included in Bill of Material. The Active Networking items shall be of same make and the OEM should belong to the leaders'/challengers' quadrant in Gartner's magic quadrant for Wired infrastructure.