

**Scope of Work for LAN Cabling and Electrical Work under e-District Project to be done by PWD**

Srl	Type & No. of Offices		LAN Requirement	Site Preparation Requirement	Max. No. of Computers may be provided under e-District Project
1	District Collectorate	33	One I/O Point per seat in all departments/sections of collectorate	Electrical Points having at least three socket with switch with each I/O Point	20 Computers in each Collectorate
2	Tehsil Office	312	1. Three I/O Point to Tehsil staff including tehsildar who are presently not having any LAN connectivity through NIC/RSWAN 2. 5 Additional I/O points in one room for establishing PATWAR LAB where presently work related to LRC is being undertaken in each Tehsil	--- Do ---	8 Computers in eqach Tehsil  ** Five in Patwar Lab and three for staff.
3	SDM Office	231	Total Three I/O Points in one office	--- Do ---	Three Computers per SDM offices
4	Employment Department	44	Total Two I/O Point in one office	--- Do ---	One Computer per office
5	Labor Department	34	Two I/O Point per office	--- Do ---	One/Two Computer per office
6	Horticulture	34	Two I/O Points per office	--- Do ---	One Computer Per office
7.	Social Justice	34	LAN is already covered under RSWAN	Not Required under e-District	1. One Computer Per DP & SWO Office 2. Three computers at DD office 3. Two Computers at AD Office.
8	Agriculture Department	34	LAN is already covered under RSWAN	Not Required under e-District	One Computer Per Dy. Dir. Agri. Office

**The guidelines for various works are as under –**

**For LAN Cabling :**

1. All Active and Passive Components shall be procured and installed by PWD in each Office like I/O Boxes for each Points, CAT-6 Cables for LAN, Laying Conduits & Fixing for CAT-6 Cables, Layer-2 Switches as per specification provided, OFC Cables along with OFC to UTP and OFC Connectors/Couplers for both ends, RJ45 Connectors, 3 meter Patch Cords etc.
2. In case OFC is required to connect two buildings/switches in same premises, it should be supplied along with OFC to UTP and OFC Connectors/Couplers by PWD.
3. The CAT6 Cables should be laid in a conduit pipe only and not in strips. The Conduit should be properly clipped on walls.
4. The RSWAN Connectivity has been provided in all the offices or would be provided in future. The LAN Cabling is to be undertaken in all offices and the LAN being established would be connected to Gig Port of RSWAN Switch on trunk line.

5. The Switches installed while establishing the LAN in an office would have a default route to RSWAN Switch.

**For Electrical Works :**

1. All material required shall be procured and installed by PWD in each Office
2. 3 (Three) Multi point socket with switches would be required for each I/O Point. All the three sockets should have facility to plug in 5 and 15 AMP plugs.
3. The electric items should be of standard quality.
4. The phase should be on right hand side with proper earth.
5. The voltage between earth and neutral should be below 3 Volts.
6. The Plug Point box may be mounted either on wall or inside the wall. Proper care is to be taken while fixing the box to ensure its stability.