



# RajCOMP Info Services Ltd.

(A Government of Rajasthan undertaking)

email: info@rajcomp.net  
website: www.rajcomp.net

No. : F4.9(89)/RISL/Tech/Misc/2013/

Date :

## Minutes of Meeting

A video conference meeting under the chairmanship of Sh. Ashutosh M. Deshpande, Technical Director & Joint Secretary, DoIT&C with PWD Officers, Officials and Departmental Stakeholders was held on 30-10-2013 at 3:00 PM in the NIC Video Conferencing Hall, Secretariat, Jaipur to review, discuss and expedite the LAN Cabling and Site Preparation works across Rajasthan under the e-District State-wide Rollout MMP.

Following Officers were present in the video conference at Jaipur:

1. Sh. Jaswant Singh Chaudhary, ACP (DD)
2. Ms. Shweta Saxena, ACP (DD) & OIC e-District State-wide Rollout
3. Sh. Manu Shukla, Project Officer DoIT&C and Consultant, SeMT
4. SPMU Representatives

The following are the priority points discussed:

1. Administrative Sanction has been accorded to PWD on 01/07/2013. Financial Sanction has already been accorded under e-District State-wide Rollout (RISL Project Id:272) for transfer of advance amount of Rs. 284.53 Lacs (Rupees Two Hundred Eighty Four Lacs and Fifty Three Thousand only) to Executive Engineer, PWD, Electrical Division-I, Jaipur to start works of LAN Cabling and Site Preparation across Rajasthan on 27/08/2013.
2. It is to be noted that on work completion, PWD shall provide to RISL –
  - a. Location-wise expenditure statement bifurcated into two heads –
    - i. LAN Networking & Horizontal Connectivity; and
    - ii. Site Preparation
  - b. Location-wise component-wise (Material, Labour, Supervision/Service Charge, Taxes, etc) expenditure incurred for each head against forecast estimates with completion certificate as per scope of work.
3. Switches are not to be procured by PWD for Employment, Labour and Horticulture Department, since additional order for the same is already placed to SWAN vendor and the work is under progress. For other locations, Switches shall be procured by PWD as per the requirement and specifications provided at Annexure-'A'. It must be ensured by PWD that no duplication of Network Switches occurs at the locations and procurement shall be made only if required.
4. Amended specs of switches have been provided at Annexure-'A'. However, if RFP has already been floated then changes as per revised specs are not required.
5. The Switches installed while establishing the LAN in an office would have a default route to RSWAN Switch.
6. 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 Casings & Fixing for CAT-6 Cables, Layer-2 Switches as per specification provided, OFC



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Cables along with OFC to UTP and OFC Connectors/Couplers for both ends, RJ45 Connectors, 3 meter Patch Cords etc.

7. 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.
8. 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.
9. The Cables shall be laid in strips with double lock. The casings should be properly clipped on walls.
10. 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.
11. Updated Guidelines (Annexure-'B') must be followed by PWD for Site Preparation and LAN Cabling. However, if RFP has already been floated then changes as per revised guidelines are not required.
12. A monthly review meeting shall be organized by DoIT&C with PWD to expedite the work completion.

The video conference was concluded with a vote of thanks.

*ad*  
(A.M. Deshpande)  
Technical Director

No. : F4.9(89)/RISL/Tech/Misc/2013/5557-61

Date : 12-11-2013

Copy to the following for kind information and necessary action:

1. P.S. to Managing Director, RISL
2. Technical Director, DoIT&C, Jaipur
3. Additional Chief Engineer (Electrical), PWD, H.O. Jaipur
4. All Executive engineers, PWD, Rajasthan
5. All ACPs in Districts of Rajasthan

*Shweta Saxena*  
(Shweta Saxena)  
ACP (Dy. Dir.) & OIC  
e-District State-wide Rollout

**Annexure-A**

| <b>Minimum Specifications of Network Switch</b> |  |
|---|--|
| <b>Technical capability</b>                     | 24Gbps switching capacity (for BHQs)<br>8 Gbps switching capacity (for Horizontal Offices)         |
|   | 18Mpps forwarding performance (for BHQs)<br>4 Mpps forwarding performance (for Horizontal Offices) |
|   | 16MB DRAM and 8MB Flash memory   |
|   | Configurable up to 8000 MAC addresses  |
|   |  |
| <b>Management</b>                               | SNMP V2/V3 and<br>MIB- II compliant  |
|   | IEEE 802.1x  |
| <b>Standards</b>                                | IEEE 802.3x full duplex on 10BASE-T and 100BASE-TX ports   |
|   | IEEE 802.1D Spanning-Tree Protocol   |
|   | IEEE 802.1p class-of-service (CoS) prioritization  |
|   | <b>IEEE 802.1Q VLAN</b>  |
|   | IEEE 802.1s  |
|   | IEEE 802.1w  |
|   | IEEE 802.3 10BASE-T specification  |
|   | IEEE 802.3u 100BASE-TX specification   |
|   |  |
| <b>Interfaces</b>                               | 24 Ports 10/100/1000 Mbps  |
| <b>Power</b>                                    | The internal power supply supporting 230 Volt 50Hz input   |

Annexure-B

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 | No./ of Computers being 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<br>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<br>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 |                              | 8 Computers in each Tehsil<br>** Five in Patwar Lab and three for staff.<br>--- Do ---  |
| 3   | SDM Office             | 231 | Total Three I/O Points in one office  |                              | Three Computers per SDM offices<br>--- Do ---   |
| 4   | Employment Department  | 44  | Total Two I/O Point in one office   |                              | One Computer per office<br>--- Do ---   |
| 5   | Labor Department       | 34  | Two I/O Point per office  |                              | One/Two Computer per office<br>--- Do ---   |
| 6   | Horticulture           | 34  | Two I/O Points per office   |                              | One Computer Per office<br>--- Do ---   |
| 7.  | Social Justice         | 34  | LAN is already covered under RSWAN  |                              | Not Required under e-District<br>1. One Computer Per DP & SWO Office<br>2. Three computers at DD office<br>3. Two Computers at AD Office. |
| 8   | Agriculture Department | 34  | LAN is already covered under RSWAN  |                              | Not Required under e-District<br>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 Point, CAT-6 Cables for LAN, Laying casings & Fixing for CAT-6 Cables, Layer-2 Switches as per amended specifications 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 strips with double lock. The casings 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.