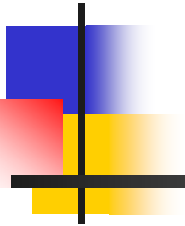


# *Integrated MIS and Computerization in RVPN - An Overall review*



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## *Vendors for Project*

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### **Lead Partner**

M/S HCL InfoSystems Ltd., Jaipur.

### **Consortium Partner**

- ✓ M/S HCL Technologies Ltd. Noida.
- ✓ M/S HCL Technologies Ltd. Mumbai.
- ✓ M/S Covensys (India) Pvt. Ltd. Mumbai



## *Objective of the Project*

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- ✓ To computerize '**most of activities of RVPN**' being carried out by different offices and integrate them through out the organization.
- ✓ To provide faster access to accurate & consolidated information to the Management & different wings like Project Management and Monitoring, Materials Management, Finance and Accounts, Transmission & Construction, Civil wing, MIS, Energy accounting, PF and Pension etc.
- ✓ To maintain consistency of data and information, through out the organization.
- ✓ To provide mailing facility to selected users in the organization.
- ✓ RVPN Internet & Intranet.



## *Provisions of the Project*

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The project covers following aspects:

- ✓ Supply, installation and commissioning of Computer hardware and its operating system.
- ✓ Development of customized software.
- ✓ Establishment of RVPN wide Area Network (WAN) / Local Area Network (LAN) including networking equipments.
- ✓ Providing Training.
- ✓ Warranty, Post Warranty and User / technical support.

# *Provisions of the Project*

*Cont..*

## **Hardware**

Supply, Installation, commissioning, integration and testing of hardware, System software & application software.

It covers supply, installation & integration of :-

- ✓ Computer System.
- ✓ Printers (Laser & Dot Matrix Printer).
- ✓ Operating systems.
- ✓ Custom Software.
- ✓ Networking equipments such as switches, CAT cables, IOs, etc.
- ✓ Connectivity equipments such as routers, NTUs, modems, etc.

Providing technical support

# *Provisions of the Project Cont..*

## **Software**

System study, analysis and design for custom development of applications

### **Customized Browser Based Software Applications (9 Modules)**

- ✓ Project Management & Inventory Control System (PM&ICS)
- ✓ Finance & Accounts Management System (FAMS)
- ✓ O&M of GSS & Database System
- ✓ Pay Roll System
- ✓ Personnel Information System
- ✓ Management Information System (MIS)
- ✓ Monitoring System
- ✓ File tracking System (FTS)
- ✓ RVPN web site and Intranet

Providing technical support



# *Provisions of the Project*

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*Cont..*

## **Training**

➤ **Users**

750 persons

✓ Phase 1 (*Comp. Awareness*)

– 90 hrs

✓ Phase 2 (*Applications S/W*)

– 30 hrs

➤ **Technical**

60 persons

200 hrs

**Management level workshop / seminars**



## *Tangible Benefits from project*

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- ✓ Uniform Business Process.
- ✓ Project wise material and cost tracking.
- ✓ Improve coordination & better communication between HO, Circle, Division, Subdivision and sections.
- ✓ Efficient Inventory Management: Receipt, Issue and Return of Material, Stock Status etc.
- ✓ Instant Project Progress reporting throughout the Project Life Cycle.
- ✓ Equipment details, Maintenance work/cost tracking etc.
- ✓ Availability of information, circulars, Rules & Regulation etc through Intranet & Internet.



## *Intangible Benefits from the project*

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- Instant availability of company information, circulars, Rules & Regulation etc through Intranet & Internet.
- Equipment details, Maintenance work tracking etc.
- On time Preventive Maintenance will help in cost reduction and disasters.
- Accurate preparation of Account Books like Trial Balance, Balance Sheet, P&L statement etc.
- Tracking of Tender Information, registered vendors, Bank Guarantees etc.
- Efficient Inventory Management: Receipt, Issue and Return of Material, Stock Status etc.
- File and Letter tracking, vehicle monitoring etc.



# *Locations*

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## **Level - 0**

- ✓ Vidyut Bhawan Jaipur. Local Area Network (LAN) has been considered for connecting RVPN offices in the Vidyut Bhawan corporate office.

## **Level - I**

- ✓ LAN systems for following Departments / Complexes at Jaipur & Jodhpur and Circle offices: -
  - ✓ MM Complex (Old Power House), Jaipur.
  - ✓ SLDC complex (covering CE (T&C), its allied offices and TCC I & II circle office) at Heerapura, Jaipur.
  - ✓ Chamble Complex (covering Civil, Protection & some T&C offices) at Jaipur.
  - ✓ Assistant Controller of Stores at Heerapura, Jaipur and Beawar.
  - ✓ Zonal CE office complex Jodhpur
  - ✓ JMC Building (Training Institute)



## *Locations*

*Cont..*

- ✓ TCC Circle office complexes at
  - Ajmer
  - Udaipur
  - Kota
  - Alwar
  - Bikaner
  - Jodhpur
  - Sirohi

## **L2 locations**

All 400, 220 kV & 132 kV GSS where one computer system has been provided.

All T&C, PLCC, civil & Protection Divisions/sub divisions where one computer system has been provided



## *Connectivity*

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- The Head office (L0 location) to be connected to L1 locations through dedicated lease line (MPLS VPN).
- L2 locations to be connected with L0 location by PSTN Dial up / internet.
- ISDN Back up is provided at L0 and L1 locations.

All data are to be kept at central database server (level-0) and the field computers are to update the same or to access the same



## *Hardware Progress*

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### Computers and its peripherals

- All hardware material received, installed and operational at various RVPN offices.
- Operational Acceptance Test is being carried out by HCL and expected to be completed by March, 09.
- Most of the computers System are connected through Local Area Network / through lease line / through broad band / Dial up Connectivity.
- Through above mode of Connectivity, users of these computers shall have access to the internet,
- HCL is providing maintenance support to the users through its established call centre.



## *Network Connectivity*

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- Dedicated lease lines (MPLS VPN) connectivity between L0 & L1 have been released except ACOS Heerapura due to some technical problem at BSNL end, which is expected to be completed by the end of Feb, 09.
- Broad Band Internet Connection at 86 locations, covering Circles and Divisions have been released by BSNL, except 10 divisional offices, due some technical problem at BSNL end, which is expected to be resolved by end of March, 09.
- Land lines (PSTN) Connections at 360 L2 Locations have been sanctioned for release by BSNL (under plan 149). Its release is under progress and is expected to be completed by end of March, 09.



## *Web hosting & Email Services*

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- RVPN web portal has been hosted as *www.rvpn.co.in* and related information & tenders (NITs) are being regularly uploaded.
- RVPN Intranet has been hosted as *www.my.rvpn.co.in* on test basis and related information is being collected for uploading. Users can access this as per the availability of connectivity.
- Employee can access RVPN Intranet through their employee ID.
- E-mail service in RVPN has been started & can be accessed at *www.mail.rvpn.co.in*.
- E-Mail addresses of officers above the rank of XENs and head of offices up to AEN 132 KV GSS as per their designation have been created and its list has been circulated and is also available on RVPN website.
- Email facilities is available through RVPN intranet as well as internet



## *Coding Scheme prepared and issued*

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- Inventory - Item code issued for 12400 Items
- Locations – Code issued for 645 locations.
- Employee IDs prepared and available on website
- Accounting Group – Code prepared
- Scheme wise Projects Code issued and used



## *Roll out Plan*

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- Looking to the large number of locations located diversely and non-availability of required hardware and man power at these locations, it was decided to roll out software modules at RVPN in phases.
- Initially, selected locations of RVPN at “**Vidyut Bhawan**” have been identified and complete roll out of 4 modules have been commenced, remaining modules are planned to be rolled out by the end of March, 09 at L0 locations.
- In 2nd phase it is planned to roll out remaining locations of L0 and L1 locations and selected L2 locations. It is expected to be completed by April,09 end.
- In 3rd phase the roll out of remaining L2 locations will be completed by mid of May, 09. It is intended to commission integrated system including hardware and software and also networking on 15th May, 09 in entire Rajasthan.



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**Thank You**