

SCOPE Summary

T/2522940/2023

Enhancing the Existing NCC & RCCs AND Implementing Backup Control Centers

The vision is to have a Unified National Control Centre (NCC) for NAMA Water Services (NWS) with integrated Regional Control Centres and Backup Control Centres. In order to achieve the vision and to have a state of the art National Control Centre, enhancements are required to the existing hardware, software and functionalities. The following are the summary of scope

1. Enhancing National Control Centre

- Enhancements to SCADA Software, Hardware, OS and Configurations
- Implementing SMART Features to the SCADA
- Enhancements to User Access and Securing the System
- Enhancements to the Workstations and Clients
- Enhancements to Display systems and Client Machines
- Supply and Implementation Switches, Network Devices and Firewalls
- Supply and Implementation of Network Cabling and Power Supply
- Supply and Implementation of Control Room Rearrangements and Furniture in NCC

2. Establishing Backup Control Centre to the NCC

- Supply and Implementation of New SCADA Software and Licenses
- Complete System Configurations
- SCADA, graphics and Database engineering and configuration jobs NCCB
- Supply and Implementation of Display systems and Client Machines for NCCB
- Supply and Implementation of Switches, Network Devices and Firewalls for NCCB
- Supply and Implementation of UPS and Power Supply arrangements for BCCN
- Supply and implementation of Control room furnitures for the NCCB

3. Enhancements to Regional Control Centres

- Enhancements to Hardware, Software and OS Requirements
- Enhancements/Additions to IGS and PI Collector
- Reconfiguring the SCADA, Graphics and IGS systems
- Enhancements to SCADA Software and Licenses
- Enhancements to Display and Client Machines
- Supply and Implementation of Network Cabling and Power Supply
- Supply and Implementation of Switches, Network Devices and Firewalls
- Supply and Implementation of UPS and Power Supply arrangements
- Supply and Implementation of Control Room Furniture
- Supply and Implementation Standby 100KVA Diesel Generator
- Rearranging the power supply connections

4. Establishing/Enhancing the Backup Centres for Regions

- Supply and Implementation of New SCADA Software and Licenses for BCC
- Enhancements and upgrades to the SCADA software and Licenses in BCCs
- Enhancements to the existing Hardware and Operating Systems BCCs
- SCADA, graphics and Database engineering and configuration jobs BCCs
- Supply and Implementation of Display systems and client machines for BCC
- Supply and Implementation of Switches, Network Devices and Firewalls for BCC
- Supply and Implementation of UPS and Power Supply arrangements for BCC
- Supply and implementation of Control room furnitures for the BCCs

