

6.06.00 Unit-Incharge Desk

Profile and construction of the Unit Incharge Desk shall be same as that of CD. Provision for Operator Work Station and PA system/ telephone handset etc. shall be provided similar to the Control Desk..

6.07.00 Internal Panel/Desk Items

6.07.01 Equipment and devices mounted within the panels/desk shall be mounted on suitable racks/brackets and shall be arranged for convenient access for adjustment and maintenance work.

6.08.00 Furniture

6.08.01 Bidder shall provide following industrial grade furniture items as a minimum from reputed manufacturers/suppliers meeting International Standards. The furniture shall be modular and latest with ease of operational features. The furniture shall be modern, aesthetically designed, modular, flexible, space saving and future safe. Each module shall have transparent cover and adjustable partition. It shall have locking provision for security. The components shall be suitable for integration/fabrication without any welding technology.

a. Work Station furniture

Modular work station furniture, suitable for mounting servers & historians, programmer stations, PC based systems, printers (inkjet or A4 laser) etc. is to be provided.

b. Server Rack

Server rack shall be provided to mount programmer stations, PC based systems (of rack type and tower type), Matrix KVM switcher, Mini UPS etc. in Programmer room. Suitable arrangement for Ventillation and cooling shall be built in.

c. OWS/PC rack

OWS/PC rack shall be provided to mount CPUs of work stations/PCs of OWS/LVS etc in Control Room.

d. Chairs

Industry standard revolving chairs with wheels and with provision for adjustment of height (hydraulically/gas lift) shall be provided for the operators, unit-in-charge, shift in charge & other personnel in control room area & BOP's control rooms, Chief Engineer room and all other executive rooms, simulator rooms, Conference room, DMS room, SWAS room, CEMS room, meeting room, documentation room, staff room, CAAQMS shelters, CAAQMS rooms etc. These shall be designed for sitting for long duration such that these are comfortable for the back. Chair pedestal shall be made of 5mm thick MS plate covered with poly-propylene cladding. Arm-rests in one piece shall be of poly-urethane and

twin wheel castor of glass filled nylon. The exact details shall be finalised & approved by Purchaser during detailed engg.

e. Tables

- a. Industry standard computer tables shall be provided & shall be as approved by Owner during detailed Engineering.
- b. Conference Room standard tables shall be made of teak wood top quality only with industry standard glass top and provided with acrylic coat for good finish. Details shall be finalised & approved by Owner during detailed engg.
- c. Glass top teak wood office table with lockable drawers shall be provided for shift in Charge room, Chief Engineer room and all other executive rooms.

f. Almirahs

Minimum 4 nos. vertical Steel Almirahs shall be provided for keeping documents in the documentation room. Vertical Steel Almirahs shall also be provided for the following rooms.

- a. Conference room – Two (2) nos. min.
- b. PADO Room – One (1) no. min.
- c. Shift In charge room – One (1) no. min
- d. Simulator Room – Two (2) nos. min.
- e. BOP/Offsite package control room – Two (2) nos. min.
- f. Head of Station Room- Two (2) nos. min

Final quantity shall be decided by owner during detailed engineering

Thickness of steel almirah sheet shall be 18 gauges with neat finish. Tentative size of Almirah shall be 78"(H) x 36"(W) x 19"(D). 4-5 mm thick Glass doors for each rack shall be provided such that the documents are visible from outside. Minimum 5 no. horizontal partition/rack shall be provided in the almirah. 3 point locking system shall be provided. Size of the rack shall be sufficient to easily fit technical manuals. The exact details shall be approved by owner during detailed engg. One uniform colour shall be finalized during detailed engineering by owner.

g. Keypad

Keypads shall be provided for the storing of keys of relevant areas in the respective control rooms

h. Lockers

Suitable lockers shall be provided in the room adjacent to the control room for storing of personal articles of control room personnel & also for documents.

6.09.00

LVS PANEL



1 x 660 MW - Panki Thermal Power Station

Bidding Doc. No. : 14A14-SPC-G-0001

