

EXPLANATORY NOTES

Item No 1

Supply & Commissioning of Incoming 1X 630A,4P, 50kA MDO type microprocessor based ACB with IPR1+ release & outgoing i)2X 320A,4P, 36kA Thermal Magnetic Release with Adjustable thermal & Fixed Magnetic MCCB(ICS=100%ICU),ii)2X 200A,4P, 36kA Thermal Magnetic Release with Adjustable thermal & Fixed Magnetic MCCB (ICS=100%ICU),iii)4X 100A,4P, 36kA Thermal Magnetic Release with Adjustable thermal & Fixed Magnetic MCCB MCCB(ICS=100%ICU) fitted in LT Panel box 14swg CRCA sheet powder coated 4way Cu Busbar of suitable rating, Indicator lamp, Digital Multifunction Meter & all other accessories. MCCB & ACB make:- Havells/LK/Schneider/Siemens. The drawing should be approved by DYCEE(W)/KGPW or his authorized representative before purchase. Item cost includes cost of all necessary materials to complete the work in all respect.

Item no- 2

Supply of 4 Core x 2.5 sq mm pvc insulated & sheathed Cu cable type of insulation-C, sheath type- ST+B21:B24(HR) conforms to IS: 694 or latest. Before purchase specific make of cable must be approved.

Item no-3

Supply of 4 Core x 1.5 sq mm pvc insulated & sheathed Cu cable, type of insulation-C, sheath type- ST+B21:B24(HR) conforms to IS: 694 or latest.. Before purchase specific make of cable must be approved.

Item no- 4

Supply of 4 Core x 6.0 sq mm pvc insulated & sheathed Cu cable, type of insulation-C, sheath type- ST+B21:B24(HR) conforms to IS: 694 or latest. Before purchase specific make of cable must be approved.

Item no- 5

Supply of 4 Core x 10.0 sq mm pvc insulated & sheathed Cu cable, type of insulation-C, sheath type- ST+B21:B24(HR) conforms to IS: 694 or latest. Before purchase specific make of cable must be approved.

Item no- 6

Supply of 4 Core x 35 sq.mm. 1.1 KV grade Aluminium PVC insulated, XLPE standard steel strip Armoured cable conform to IS:7098 Pt.I or latest. Before purchase specific make of cable must be approved.

Item no-7

Supply of 4 Core x 185 sq.mm. 1.1 KV grade Aluminium PVC insulated, XLPE standard steel strip Armoured cable conform to IS:7098 Pt.I or latest. Before purchase specific make of cable must be approved.

Item no- 8

Supply and erection of LED Flood light 200 watt conforming to IP66, cool white 6500k. Before purchase specific make of LED light must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item no-9

Supply and fixing 4 pole MCB 63A. Before purchase specific make of MCB must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item no-10

Supply and fixing 4 pole MCB 50A. Before purchase specific make of MCB must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item No-11

Supply and fixing MCB metal enclosure 4 pole. Before purchase specific make of cable must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item no-12

Supply and erection of Pyramid insulator as per drawing. Item cost includes cost of all necessary materials to complete the work in all respect.

Item no-13

Supply and erection Pin type Insulators as per drawing. Item cost includes cost of all necessary materials to complete the work in all respect.

Item No-14

Supply and erection of GI-Angle (40 X 40 X 06 mm) bracket 4 way with porcelain insulator as per drawing suitable for overhead light. The drawing should be approved by DY CEE (W)/KGPW or his authorized representative before purchase . Item cost includes cost of all necessary materials to complete the work in all respect.

Item No-15

Supply of 10 sq mm PVC insulated single core unsheathed cable with plain copper conductor for working Voltage up to and including 1100 Volt . Before purchase specific make of cable must be approved.

Item No-16

Supply and Commissioning 2 pole MCB 16A MCB, 240V, C-type, as per IS/IEC 60898-1. Make- C&S, HPL, Schneider. Before purchase specific make of MCB must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item No-17

Supply and fixing MCB metal box 2 pole. Item Cost includes cost of all necessary materials and transportation to complete the work in all respect. Before purchase specific make of cable must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item no- 18

Supply and commissioning 40 A 4 pole RCBO,30 mA,type-AC,ISI marked as per IS 12640-1 Make- Legrand, Havells, Schneider. Before purchase specific make of cable must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item no- 19

Supply and commissioning of 16/20/25 Amp Power unit (containing 4 module plate, starter, socket and plug) for AC unit. Before purchase specific make of cable must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item no- 20

Supply and testing of Oscillating type BLDC Pedastal Fan ,230 V,400 mm sweep,multi speed,remote/button controlled Make- Atomberg, Havells, Crompton, Bajaj, Usha, Orient. Before purchase specific make of cable must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item no- 21

Supply & fixing of 2 ft X 2 ft 36 watt recess mounted LED panel light, aluminium frame day light 4000K to 6000K or above. Fixture and LED conform to IS LM79 and LM80 respectively. Make - crompton, HPL, Havells,Surya. Before purchase specific make of cable must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item no- 22

Supply, fixing, testing and commissioning of hot dip galvanized 2mm thickness perforated cable tray of size 300 mm width and 50 mm height and complete accessories as per IS, IE rules and site requirement. Before purchase specific make of cable must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item no- 23

Supply, fixing, testing and commissioning of Cable trays 2mm thickness size 100 x 50 mm GI, perforated (Rmt) with cover complete and as per IS, IE rules and site requirement. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item no- 24

Supply and fixing of Combined switch socket box - 16 A, Capton 5-In-1 combined switch and socket with ISI mark,as per IS:3854 or Latest. Before purchase specific make of cable must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item No -25

Supply of 4 pole MCCB ,release range (80-200)A, breaking capacity 36 KA ,microprocessor release with inbuilt earth protection,adjustable overload 40-100%,adjustable short circuit with SS enclosure.

Item no- 26

Supply of 4 pole MCCB, release range (160-400) A, breaking capacity 36 KA, microprocessor release with inbuilt earth protection, adjustable overload 40-100%, adjustable short circuit with SS enclosure. Before purchase specific make of MCCB must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item no- 27

Supply and fixing CRCA sheet 2 mm thickness, 6 way 400 A junction Box chamber with Cu busbar in 4-pole configuration . Before purchase specific make of MCCB must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect. The drawing should be approved by DY CEE (W)/KGPW or his authorized representative before purchase . Item cost includes cost of all necessary materials to complete the work in all respect.

Item no- 28

Supply, fixing, testing and commissioning 3 phase digital street light controller having phase staggered facility rating 20 KVA. The drawing should be approved by DYCEE(W)/KGPW or his authorized representative before purchase . Item cost includes cost of all necessary materials to complete the work in all respect.

Item no- 29

Supply, fixing, testing and commissioning of LED Street Light 90 watt. Fixture and LED conform to IS LM79 and LM80 respectively. Make- Crompton, HPL, Havells, Surya. Before purchase specific make of LED Street Light 90 watt must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item no- 30

Supply of materials and Drawing of main line sub- service line by 2 x 4sq.mm. PVC insulated copper wire 1100 V grade including 25 mm. dia rigid PVC conduit pipe/ casing capping & 1.5sq.mm. PVC insulated copper cable as continuous earth. Make-Finolex/Havells/Polycab. Before purchase specific make of PVC insulated copper wire must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item no- 31

Supply of materials and Drawing of main line sub- service line by 2 x 2.5 sq. mm. PVC insulated copper wire 1100 V grade including 25 mm dia rigid PVC conduit pipe/ casing capping & 1.5sq.mm. PVC insulated copper cable as continuous earth. Make: - Finolex/Havells/Polycab. Before purchase specific make of PVC insulated copper wire must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item no- 32

Modular Point wiring by PVC conduit/casing capping/conceal for lights, fans and plug by 1.5 Sq.mm PVC insulated cu-cable 660 Volt grade including 1.5 sq mm (FRLS) continuous earth with required Modular type PVC board, 5 Amps Piano type switches, 5 pin sockets and electronic fan regulator etc. Plug point should be treated as half point. Make of wire is Finolex/Havells/V-Guard. Switch, Socket, Regulator Make: - Pritam, Crabtree, Anchor. PVC Board/Casing Capping Make: - Pritam/Anchor/Preeti Plast/Crabtree, Modular Switch and Board Make: Legrand, Crabtree, Anchor, Pritam. Before purchase specific make of PVC insulated cu-cable, Switch, Socket, Regulator must be approved. Item Cost includes cost of all necessary materials to complete the work in all respect.

Item no- 36

Earthing with Copper Earth Plate of size 600mm x 600mm x 3.15mm(min) thick having a watering GI pipe of length 2.7m long & dia 2 inches with

accessories etc. The earth pit is to be filled by alternate layer of Salt and Charcoal & Fertile soil with necessary connection. 6mm round/flat bare copper wire from earth plate (both should be copper brazed) to the machines/earth junction and providing masonry enclosure and suitable lid to protect the Pit. Copper plate and GI Pipe should be brass brazed. The drawing should be approved by DY CEE (W)/KGPW or his authorized representative before purchase. Item cost includes cost of all necessary materials to complete the work in all respect.

Item no- 37

Dismantling of old cables. Item cost includes cost of all necessary materials to complete the work in all respect.

Item no- 38

Dismantling of old Main switches, DBs, Enclosure etc Item cost includes cost of all necessary materials to complete the work in all respect.

Item no- 39

Laying and Testing of LT Aluminium Cable through Air/On Wall, providing suitable materials (Cable supplied by railway). Item cost includes cost of all necessary materials to complete the work in all respect.

Item no- 40

Laying and Testing of HT/LT Al Cable through underground by excavation of Cable Trench, Providing bricks & sand and leveling the as per CEE/GRC's Drawing No. CEE/G/A-3/P-134 V (Cable supplied by railway). Item cost includes cost of all necessary materials to complete the work in all respect.

Item no- 41

Laying of LT Aluminum Cable across Drain/Track/Road crossing etc. through RCC pipe of Size 100 mm/150 mm. As per CEE/GRC's Drg. No. CEE/G/A-3/P-134 (Cable supplied by railway). Item cost includes cost of all necessary materials to complete the work in all respect.

Item no- 42

Supply and commissioning Copper lighting arrestor description as per annexure-A. Item cost includes cost of all necessary materials to complete the work in all respect.

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04.11.2025

AEE(G)/KGPW

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04/11/2025
(SSE/52/NWS)