

## Items for Development

### Items of 3-Phase Electric Locomotive Component:

Item
Surge Arrestor for Hotel Load
Driver's Display Unit
Air compressor (Aux)
Snubber Circuit
Surge Arrestor
Relay for Control Electronics
Time Relay for VCB
Time Relay for Machine Room Blower
Pressure Sensor with differential amplifier
Primary Current Sensor
Key Switch Simulation
Indication Lamp & Illuminated Push Button
Spring loaded Switch
Aux. switch
Rotary switch
Surge Arrestor
Primary Voltage Transformer
Set of Fibre Optic Cable
Set of Ferrite core
Socket Hand Lamp
Contactors Filter
Contactors for Discharging Resistor
Contactors Hotel Load
Contactors Main Compressor with Snubber circuit
Contactors Aux.
Aux. Contactors
Aux. contactors for VCB/Pantograph
Contactors Type-4 & Type-6
Sika Flex
Chain
F S all steel lock nut
Necked down bolt
Wheel set guide
S S Tube
Fire Detection Equipment
Max. Current Relay
High Voltage Bushing
Diagnostic Terminal
Master Controller
Rotary Switch
Foot Switch
Set of connectors
Capacitor for BUR input Snubber
Ckt. Breakers
Ckt. Breaker Battery & SB1 & SB2
Polypropylene components
S S Pipe fitting

## Items for Development

### Items of 3-Phase Traction Motor Component

Item
Mica Glass Fabric Tape
Polymide Foil
Polyamide PA Nomex
Polyester Glass Silk
Silicon Impregnating Resin
Aux. Material
Temp. Sensor Assly
Non adhesive polymide Film Tape
Zr.Cu Stamping Resistance Ring Scheme 1 Rotor
Set of Stator Chamber for Machine Stator (11 items - Associated components of Machine Stator)