

Manual Bypass panel for selecting supply from 1 of 2 DGs to Load, Add on for Existing AMF panel.

Fabrication & Supply of Floor Mounting, Indoor type LT Panel suitable for operation on 415V, 50Hz, 3Ph, AC System. The panel made out of 14 SWG CRCA Sheet steel, dust and vermin proof, duly finished with RAL 7032 Siemens Gray Powder Coating Paint after 7 Tank metal pre-treatment. The panel should consist of the following components.

Incoming from DG1 : 400 Amps 4 Pole manual COS, for Bypass mode or AMF mode selection- 1 no.

Incoming from DG2 : 400 Amps 4 pole manual COS, for Bypass mode or AMF mode selection- 1no.

DG select switch (DSS) : 400 Amps 4 pole manual COS, for DG1 or DG2 selection on Bypass mode- 1 no..

Outgoing to Load : 400 Amps 4 pole manual COS , to select either from DSS of from AMF out to Load- 1 no..

LED type R/Y/B Indication Lamps: 2 Sets.

Busbar : 400 Amps TPN Aluminium Busbar, 40x10mm – 1 set **Panel size**: 1600mm x 900mm x 2000mm (L x D x H),

Cable Entry: All bottom, Complete Fabrication, Busbar, Materials & internal wiring.,

Make of Material: COS - HPL/L&T, MCB - L&T/C&S/ABB, LED Lamps - Starlight/Vishnu make

Scope of Work: Design, fabrication, assembling, wiring, testing, packing/forwarding, delivery at site. The installation of Panel shall be carried by IIA /other contractor. The panel should be Totally Type tested as per the standards IEC 61439- 1.

The vendor may be required to visit, inspect and examine the site conditions, existing AMF panel, cable trenches, cable length and size to extend and incorporate the new panel.

The vendor should be original manufacturer of LT Panels as per IEC 61439 -1 having valid ISO 9001 Certificate for LT Panels manufacturing unit. The vendor should have supplied 50 KA, 36 KA rating LT Panels of similar type which are effectively commissioned and satisfactorily working on site. It is required to submit the Customer's Satisfactory Certificates.

Inspection and testing at factory is required to be arranged for representative/engineers of IIA for satisfactory acceptance before delivery of the panel.

The GA, SLD and specifications of Panel are conceptual as per the user requirement and shall be of proven design further without major deviations. Preliminary dimensioned drawings, guaranteed technical Specifications with complete details shall be submitted for Approval, before commencing fabrication.