

SYSTEM POWER GEAR

AN ISO 9001 : 2000 Company

1/1, 5th Cross, 6th Block, Rajajinagar, Bangalore – 560 010.

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CERTIFICATE OF COMPLIANCE



This is to certify that the
QUALITY MANAGEMENT SYSTEM of

SYSTEM POWER GEAR

No.1/1, 5th Cross, 6th Block, Rajajinagar, Bangalore – 560 010, Karnataka, India.

has been assessed by International Certifications Services (Asia) Pvt. Ltd. and registered as complying with the requirements of the following International Standard:

ISO 9001 : 2000

The Quality Management System applicable to:

Scope : Design, Manufacture And Supply Of LT Control Panels And Power Distribution Boards.

Registration No. : RQ91/2131
Registered Date : 12th December, 2003.
Valid for : 3 years
Expiry Date : 11th December, 2006.



Managing Director
International Certifications Services

Accredited by Joint Accreditation System of Australia and New Zealand

*Validity of this certificate is based on periodic audits of the management system defined by the above scope and is contingent upon prompt, written notification of significant changes to the management system and/or its components thereof shall be immediately communicated to ICS.
Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2000 requirements may be obtained by consulting the above certified organization.*

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Dear Sirs,

INTRODUCTORY LETTER

We would like to introduce ourselves as one of the leading & reputed manufacturers and suppliers of Electric Control Panel Boards like Industrial and Cubicle types of panel boards. Our unit has started in the year 1987 as a registered Small Scale Industry. Having our own building 2400 Sq.Ft. accommodation of individual office, fabricating & painting area with oven painting facilities, assembling and testing of panel.

During these years have executed major orders directly to original equipment Manufacturers / users and as well as through leading Electrical Consultants, Builders & Government Organizations. We have tested our panel in CPRI for 50 KA Short Circuit test, with temperature rise test as per IS 8623/Per No.1-1993. Our panels are in use successfully in various large industries in all over India & abroad also. We are enclosing herewith the complete profile of our organization, products in our manufacturing range, type test reports, test certificate of our products.

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LINE ACTIVITY

In addition to the above mentioned items we also manufacture and supply following :

1. LT Control panels, Industrial / Cubical Types.
2. Power Distribution Boards
3. Motor Controls and Power Controls Centre
4. D.C. Control panels / Bus Ducts / Cable Trays.
5. KEB Apartments / multistoried metering panels.
6. AMF / Manual Genset Panels.
7. Furnace / Oven / Boiler Heating Control Panels.

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FULL DETAILS OF MANUFACTURING FACILITIES

1. Hydraulic Sheet Shearing & Bending Machine
2. Drilling & Grinding Machines
3. Arc welding / spot welding upto 400A Capacity.
4. Manual drilling / angle grinding / sandering machine.
5. Full fledged painting shop with paint backing oven.

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Testing Facilities :

- 1) Omic value with 100 Volts / 200 Meg Ohms Megger.
- 2) HT (Insulation Test) with break-down tester upto 5 K.V.
- 3) Efficient OMIC of Central Circuit for Digital Multimeter, HPO 1000V D.C./750 V AC Voltage
- 4) Having Micro Meter measuring thickness of gauge materials.
- 5) Testing facilities available with KWH, KW, PF current Transformer Contractor / Over Load Relays.

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General Description :

The **SYSTEM POWER GEAR** is ideally located & equipped with full fledge of manufacturing & testing facilities having flexibility in our production system. To enable us meet additional requirement of short notice through our customer. Workmen ship is not a matter of chance. But is the result of persistence efforts at each stage of production. Our team of well trained & qualified staff. Continuously monitor at the each level of prescribed guidelines in production process.

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All bus bar made of high conductivity electrolyc aluminium / copper material providing with heat shrinkable insulation sleeves with colour code of Phase / Neutral identification. The bus bar joints are using high strength Bolt, nuts, Plain & Spring washer with zinc plated material.

All control power wiring shall be used 1100/650V coloured PVC Insulated copper wires, with suitable socket & lugs terminated with the galvanized zinc plated bolt nut with spring & plain washers.

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The minimum height of the panel will be for 1800mm & the maximum length of the panel will be 2500mm. The operating height of the handles / Pushbutton of electric components are for easy operation maintenance of the height from 500mm to 1800mm as the IS standards.

Before testing all panels will have visual inspection & note the actual clearance of minimum bus bar clearance – Phase to Phase, Phase to Neutral, Phase to earth. Providing with the earth bolt & earth bus bar marking & hylum barrier for bus bar chamber and danger board, name plate with circuit identification label as per the drawing. Finally the panel will tested by 1000 V / 200 Meg Ohm Megger and apply the High Voltage of 2.5 KV Per Minute as per I.S. Standard.

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DETAILS OF MANUFACTURING PROCESS :

The construction of the panel board shall be fabricated from 2.5 /2/1.6mm thickness of CR Steel. It will be made with vertical section & couple arrangement shall form continuous dead front switch board. The degree of protection being made not less than IP 52 of IS 2147. The Full structure of the panel is mounted on 6mm thickness of "C" Channel (75 x 40) with adequately supported & having suitable lifting Hooks.

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All metal parts are cleaned by Erro Guard of Three in One Anti Corrosive chemical by removing greas / oil / rust before the surface. The undersurface shall be prepared by applying a coat of phosphate paint and a coat of yellow zinc chromite primer. The undersurface shall be made free from all imperfections before undertaking the final coat. After preparation of the under surface, the panel shall be spray painted with final two coats of approved enamel Paint. The finished panels shall be dried in stoving ovens in dust free atmosphere. Panel finish shall be free from imperfections like pin holes, orange peels, runoff paint etc.,

The bus bar chamber & cable alley will be suitable size and providing with FRP/SMC/Epoxy supporters at the equal intervals in order with the short circuit current capacity of the 50KA RMS. Individual feed of inter connection shall be suitable copper / Aluminium bus bar from 100A. Below the 60A current carry capacity will be PVC Insulated copper conductor will be provided with the lugs both end.