

ONE
STOP
SOLUTION
OF
YOUR
ELECTRICAL
NEEDS



www.rewpl.com
An ISO 9001:2015 Certified Co.

REW CONSTRUCTIONS PRIVATE LIMITED



REW CONSTRUCTIONS PVT LTD

REW have been in business since **1985**, Mathura based Company, an **ISO 9001:2015** certified company take this opportunity to introduce ourselves as a pioneer in the Design, Development and Manufacture of specialized Low Voltage Control Panels like Main LT Panels, APFC Capacitor bank, High Mast Control Panel, Distribution Board, Power Control Centre, Motor Control Centre, Synchronizing Panel, Control & Relay Panels, L.V. & H.V. Bus Ducts, Rising Mains, AMF Panel, Junction Box, Pillar Box, Enclosures & Mass Production of Typical Panels, control solutions and Turnkey EPC Contracts covering electrical and mechanical services. With its vast experience of more than **30 years**, REW offers the widest range of panels in the world providing its customer, with custom built solutions for all their critical power requirement for their different applications.

REW is spaciouly spread over **5000 Meter** of land and employing a staff of over **75 employees**. Today REW has a complete in house set up required for Panel Manufacturing from Concept to Commissioning. Apart from Panel Manufacturing.

REW is fully equipped with the Design and manufacturing of any type of Sheet Metal Fabrication with **IP** certification in addition with Powder Coating Paint Facility for any desired colour. Having attained ISO 9001 : 2015, upgradation of Quality Policy and Training is a continuous process at REW.

Further to the dedication and sincerity of highly qualified Doctorates, Engineers and technicians who continuously strive to improve in the quality, REW's Strong country wide service network to support its sales has infused immense confidence in our customer and we have been able to maintain the same.

Our company is approved/regular supplier in **Military Engineering Services (MES)**, **Airport Authority of India (AAI)**, **Indian Railways**, **IRCON**, **NHAI**, **DVVNL**, **UPEIDA**, **MVDA**, **ADA**, **JAL Nigam**, **KRIL**, **IWAI** and private companies like **AFCONS Infrastructure Limited**, **L&T**, **SUPERTECH**, **NCC Limited**, **PNC Infratech Limited**, etc and also our panels are inspected by **BITES**, **Railways** and other government departments on regular basis.



WORK QUALITY

REW is committed to excellence in Control panels through the adoption of modern technology. We strive to exceed international standards for quality, durability and efficiency through constant improvement in our systems and processes. We have been acknowledged as qualified vendors for prestigious projects at **IRCON**, **CONCOR**, **BITES**, **Electricity Boards**.

The objective of the organisation is to produce products strictly in accordance with customer specifications by adhering to quality control practices and focussing on continuous improvement. The organisation is launching upon a quality management system in line with the requirements of International Standard ISO 9001:2015. The aim is to identify scope of improvement by collecting and analysing data from processes that are critical to our activity.

Exceptional Customer Services

REW is an Engineering Consultant organisation providing consultancy services in the field of electrical and related systems. We provide a variety of consultancy services for Electrical, High/Low Voltage Services, HVAC, Project management / Supervision & Assistance. Drawing works on CAD. Consultancy for New & Renewable Energy.

Proven Track Record

"Let your work speak for yourself". Please go through our work portfolio to view some examples of our work & expertise. We work with lot of dedication & passion and our work proves this. We are experts in developing a Electrical solution of any type as per our customers' requirements, which will work for you and would be able to deliver some excellent results.

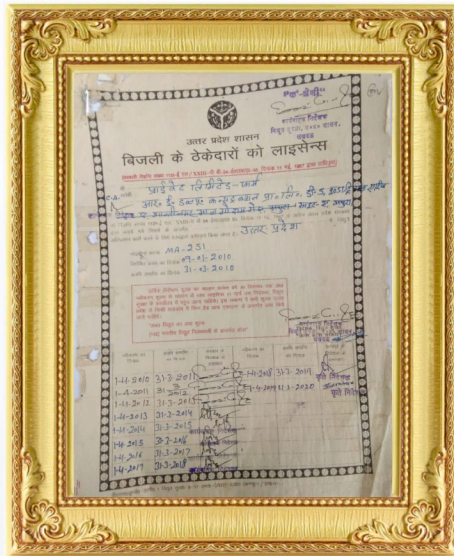
Dedicated Project Managers

When it comes to handling our projects we make sure that the project is handled by someone who is not only an expert but also has complete dedication towards work. Our motto at REW is delivering excellence. We have a team of dedicated account managers striving for excellence. We make sure that your project is managed in the best possible way & all your queries are dealt with in an efficient manner. Our customer's are kept updated about the progress of the projects on a regular basis. We also keep interacting with our customers and make sure that the project shapes up according to the customer's requirements & expectations.

VISION

To enhance the development of the nation by introducing the latest electrical technology at the most competitive rates with the vision to attain Success through substantial and convincing performances and display of ability to be acknowledged by the markets - all over. Keeping the vision in mind, REW has achieved winning edge by their association with world class companies who share our vision and long term association - each one known for his excellence in the respective field.





A CLASS ELECTRICAL LICENSE



ISO 9001:2015 CERTIFICATION



SSI CERTIFICATE



CPRI CERTIFICATE 4000 Amps



NSIC CERTIFICATE



IP-65 CERTIFICATE



Tele No: 172-2589373

Headquarters
Chief Engineer
Western Command
PIN - 908 543
C/O 56 APO

33158 / TNP / S25- / E2 (P&C)

11 Mar 2020

HQ CE CZ Chandigarh
HQ CE PZ Pathankot
HQ CE JZ Jalandhar
HQ CE DZ Delhi
HQ CE (AF) WAC Palam Delhi

PRODUCT APPROVAL

1. Ref IAFD 931, CMPT-II committee held in this HQ for the year 2019-20.

2. M/S REW Construction Pvt Ltd approached this HQ for Approval of their products for use in Defence works

3. Approval in terms of Policy letter No. A/37696/12-114/Pol/E2W (PPC) dt 05 Jun 2015 hereby accorded by the CMPT Committee II constituted at this HQ for use of following products in Defence Works for the period upto two years i.e upto 10 Mar 2022.

(a) Synchronizing Panel / APFC Panel / Relay Control Panel / AMF / MCC/PCP Panel
(b) Distribution Board
(c) Cable Trays

- Gp- II (Make: REW)

4. The approval does not absolve the executive / supervisory staff from their responsibility for using correct quality product. It is only after they are satisfied about the quality and the performance, the product will be used. Mandatory checks about the quality will be carried out as laid down and the records of the same maintained. In case any formation using the product notices any defect / discrepancy, the same will be reported immediately without waiting for the expiry of the validity date.

5. Further specifications / details of the product like drawings, samples etc. can be obtained from the manufacturer at the address given below.

6. The firm is required to give feedback on sales / supply of approved items to MES Contractors/ Formations / Units on Six monthly basis as per format given below and MES units using the product are requested to issue performance report when approached by the firm duly signed by the GE and countersigned by the CWE/CE.

S No	Name of Product	Supply to MES Contractor/ Formation/ Unit	Location / Station	Date of Supply	Quantity supplied	Amount (₹)	Supply Order No	Remarks
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)

7. Further continuation of the products thereafter will be decided based on the submission of minimum 05 Nos of mandatory feedback / performance report signed by GE and countersigned by CWE/CE, failing which product will not be considered for renewal.

Copy to :-
BY REGD POST

M/S REW Construction Pvt Ltd
D-5, Industrial Area UPSIDC, Side
'A' Mathura-281004 (UP)
Ph-Sh Aman Saxena-9759059000
ritesh@rewnl.com

1. Please note that the approval can be cancelled at any time during the currency of approval period, in case of adverse report on performance of your firm/product in the works allotted.

2. Further renewal of the firm/product will be decided based on inputs and feedback received from the MES units/formations as given at para 6 and 7 of this letter.

(Pooja Garg)
Lt Col
OIC CMPT Cell
for Chief Engineer

MES Chandimandir

केन्द्रीय रेल विद्युतीकरण समिति
Central Organisation for Railway Electrification
1-Nawab Yusuf Road, Civil Lines, Prayagraj-211001

Speed Post

No. ELCORE/OHE/Vendor/REWCPL/296

DT: 14.10.2020

M/S REW Construction Pvt Ltd
D-5, Industrial Area, Site-A
Mathura-281 004.

Sub: Vendor approval as approved source for manufacturing and supply of Automatic Changeover control panels for CLS and LT Distribution panels as per relevant RDSO Specifications.

Ref (i) This office letter of even no dttd 25.09.2018, 17.12.2019 04.02.2020 & 04.09.2020
(ii) Your letter No dttd 05.03.2018, 02.01.2020 & 07.09.2020.

1. On successful completion of prototype testing on subject items at your works, approval of CORE as approved source for your works at D-5, Industrial Area, Site-A Mathura-281 004 for manufacturing and supply of following items is hereby granted.

SN	Item	RDSO Spec No	Drawing No.
1	30 Amp CLS panel for 5 KVA AT	T/SPC/PSU/CLS/00	REWCPL/18-19/007/ Sheet no.1
2	60 Amp CLS panel for 10 KVA AT	20 with A&C slip no 1 to 4.	REWCPL/18-19/008/ Sheet no.1
3	150 Amp CLS panel for 25 KVA AT		REWCPL/18-19/009/ Sheet no.1
4	300 Amp CLS panel for 50 KVA AT		REWCPL/18-19/010/ Sheet no.1
5	230 V AC LT Distribution panel	ET/PSI/29 (12/79)	REWCPL/18-19/006/ Sheet no.1
6	110 V DC LT Distribution panel	Rev-1 (Feb.13)	REWCPL/18-19/005/ Sheet no.1

This approval shall be valid from 14.10.2020 to 30.06.2022.

CORE CLS & Distribution Boards

MANUFACTURING

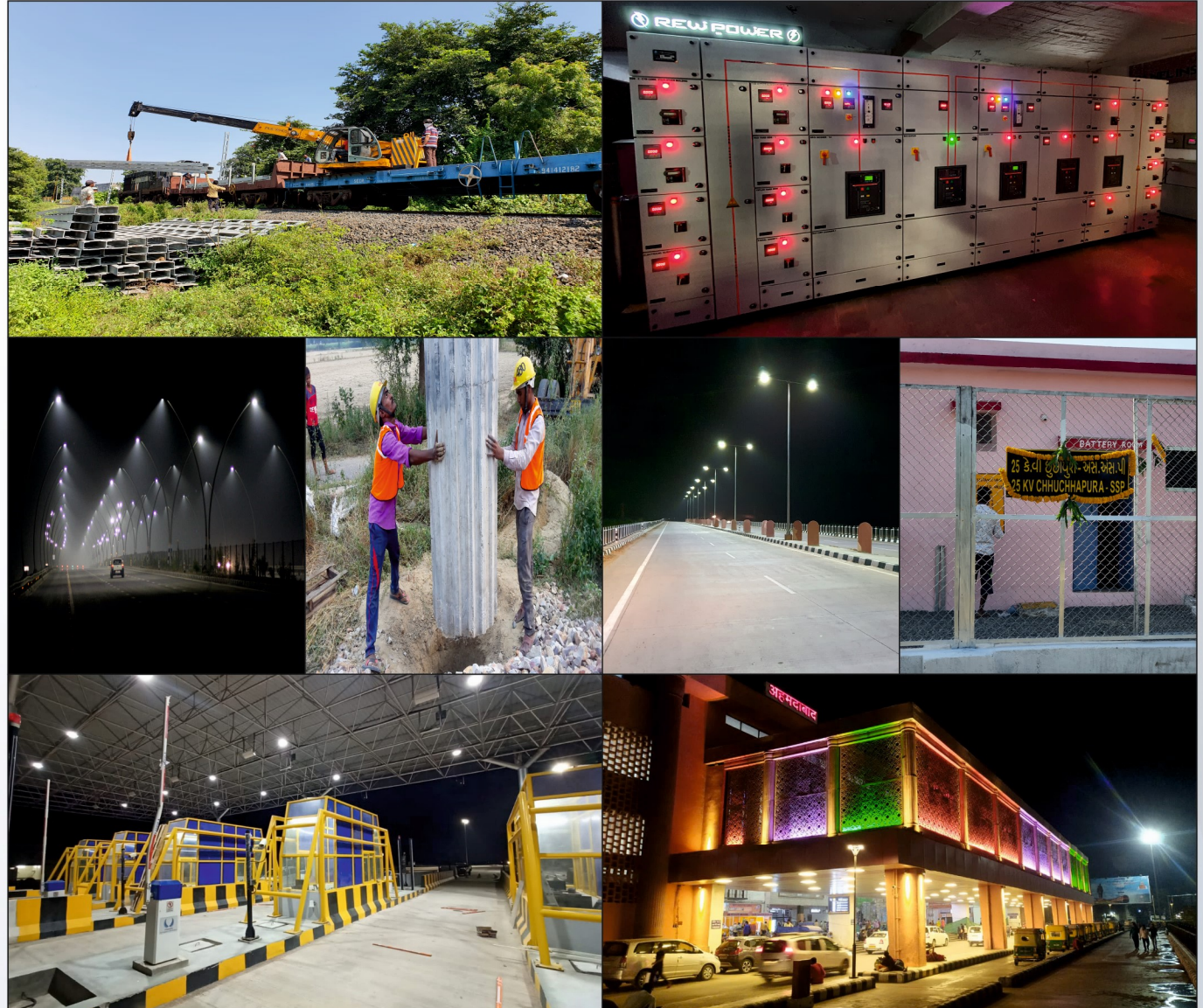
- Synchronizing Panel.
- APFC Panel.
- Relay Control Panel.
- AMF Panel.
- Distribution Boards.
- PCC Panel.
- MCC Panel.
- Color Lighting Signaling Panel.
- Bus Ducts & Bus Trunking.
- Draw Out Panel.
- J, L & U Bolts.
- Cable Tray's.
- Signage Boards.
- Fancy Street Lighting Brackets.

EPC

- Major External Electrification.
- General Lighting.
- Over Headed Electrification (OHE).
- Sub-Station.
- Signage Boards.
- Surveillance & Safety.
- Solar.

TRADING

- LED Lights.
- HT/LT Cables.
- High Mast ,Octagonal Poles & Pipes.
- DG Sets.
- Transformers.
- VCB, ACB, Servo.
- Cable Jointing Kits.



IRCON International Limited



- Power Grid Outdoor lighting system, 30 mtr Highmast erection at Jhalawar, Kota.
- Highway Lighting & other electrical works at Rest area, Truck lay byes, Urban area, Built up area, VUP & PUP etc between Km 4+200 to Km 80+000 of Bikaner Phalodi Section of NH-15 in Rajasthan.
- Toll Plaza Area Illumination works of Toll Plaza-1 at Km. 24+000, toll Plaza-2 at Km. 84+500 and Toll Plaza-3 at Km 147+200 in connection of Bikaner Phalodi Highway Project in the state of Rajasthan.
- Design, Supply, Installation, Testing & commissioning for modification of LT & HT Power Line Crossing through under ground cable in connection with Mathura-Kasganj-Kalyanpur section of North Eastern (NE) Railway (UP).

Uttar Pradesh Rajkiya Nirman Nigam

- LED Street Light work at Parikrama Marg, Mathura
- Solar LED Light work at Parikrama Marg, Mathura.

Uttar Pradesh Jal Nigam

- Supply of Control Panel, C & DS, Jal Nigam Rampur, Noida.

Techman Group

- External Electrification at Techman City
- External Electrification at Moti Manzil

Brijwasi Group of Hotels

- Supply of LT Panel and External Electrification at Hotel Brijwasi Royal, Mathura.
- Supply of LT Panel and External Electrification at Hotel Brijwasi lands Inn, Mathura.
- Supply of LT Panel, Synchronizing Panel and External Electrification at Hotel Brijwasi Centrum, Mathura.

Rail Coach Factory, Indian Railways

- Modernization of WRS Kota Workshop provision of Transformers, HT Panels, LT panels, APFC Panels, at two Numbers 11/0.433 KV Sub-Station and other electrical work at wagon Repair shop KOTA".

Airport Authority of India

- Replacement of HT Panels & APFC panels at various Substations/ Power Houses.

Public Works Department, Haldwani

- Street Light work in Haldwani at Nanital Kathgodam Road.



AFCONS Infrastructure Ltd



- 4551 construction of Multimodal IWT Terminal, Varanasi
- Highway lighting work at package 2 Agra Lucknow Expressway.
- Highway lighting work at package 4 Agra Lucknow Expressway.
- Street Lighting work at way side amenities 1 Agra Lucknow Expressway.
- Street Lighting work at way side amenities 2 Agra Lucknow Expressway.
- Street Lighting work at way side amenities 3 Agra Lucknow Expressway.
- Street Lighting work at way side amenities 4 Agra Lucknow Expressway.
- Agra Lucknow Expressway (Package 2 AFCONS) Trenchless Work LT cable crossing 5000 Mtr.
- Agra Lucknow Expressway (Package 4 AFCONS) Trenchless Work LT cable crossing 5000 Mtr.

Nagarjuna Construction Company Ltd.



- Highway lighting work at package 3, Agra Lucknow Express Highway.
- Agra Lucknow Expressway (Package 3 NCC) Trenchless Work LT cable crossing 140 Mtr

Kribhko Infrastructure Ltd.



- Supply, Erection, Testing & Commissioning of 25kV, AC OHE line work at Frieght Terminal, Hazira, Gujrat.

Western Railway



- Supply, Erection, Testing & Commissioning of 25kV, AC OHE, and other associated works between Khodiyar - Sabarmati, in-connection with gauge conversion between ADI-MSH section. Phase-III.
- Facade lighting & Electrical work in connection with Redevelopment of Ahmedabad station.
- Design, Supply, Erection, Testing & Commissioning of 25 kV OHE between Dabhoi-Chhota Udepur section on Vadodara division of WR in connection with electrification of existing BG line between Dabhoi-Chhota Udepur section.

Northern Railway



- Replacement of winch type Auto tensioning Device with 3:1 type modified type auto tensioning device in Jhansi Division of N.C. Railway.
- Supply, Erection, Testing & Commissioning of 25kV, AC OHE for electrification of traffic facilities at New Goods Complex at Rairu Railway Station In Jhansi Division.
- Supply, Erection, Testing & Commissioning of 25kV, AC OHE, for electrification of loop lines at Barasna, Gazikha, Jhareda, Radha Kund, Mora & Govind Garh Stations in Mathura Alwar Section of Agra Division.

North Western Railway



- Supply, Erection, Testing & Commissioning of 25kV, AC OHE, work of MD-AHO bypass line of Ajmer division.



Mathura Vrindavan Developement Authority



- 33/11 KV Sub Station 1X5 MVA Masani.
- LED street lighting & high mast work Goverdhan.
- LED street lighting & high mast work Civil line Mathura.
- 33/11 KV Sub Station 2X5 MVA Chetan Vihar, Vrindavan.
- LED street lighting & high mast work Chatikara Vrindavan.
- 33/11 KV Sub Station 2X5 MVA Rukmani Vihar, Vrindavan.
- Under Ground Cabling HT/LT work at Chetan Vihar, Vrindavan.
- LED Street Light Work at Goverdhan, Vrindavan, Civil line Mathura.
- LED street lighting & high mast work Pagal Baba se Gaudiya math Vrindavan.
- External Electrification & HT/LT Rukmani Vihar, Chetan Vihar Phsase-1 & II, Kadamb Vihar, Vrindavan & Radha Puram, Krishna Puram, Transport Nagar, Krishna Vihar Mathura.

Container Corporation of India Ltd



- ICD, Dadri Noida.
- ICD, Juhi, Kanpur.
- ICD Kanakpura, Jaipur.
- ICD, Malanpur, Gwalior.
- ICD, Mandideep, Bhopal.
- ICD, Trans Yamuna, Agra.
- ICD, Bhagat Ki Kothi, Jodhpur.
- ICD, Khemli, Udaipur, Rajasthan
- ICD, Dhandari Kalan, Ludhiyana Punjab.

PNC Infratech Ltd



- Street Lighting work from Dausa to Lalsoth.
- Lighting work at Bareilly to Almora toll Plaza.
- Lighting work at Raibareilly & Jaunpur toll Plaza.
- Lighting work on NH Dausa to Lalsoth Rajasthan.
- Lighting & Panels work at Barabanki - Jarwal Project.
- Main LT Panel and Control Panel work at Kanpur - Ayodhya Project.
- Highway lighting work at package 1, Agra Lucknow Express Highway.
- Lighting work at Toll plaza package 1, Agra Lucknow Express Highway.

Supertech Ltd.

- Supply of LT Panel, Cables and External Electrification



Safety is as simple as ABC - Always Be Careful

Designing

- Dedicated Auto Cad designers are assigned for designing.
- Tailor made items so there is flexibility in designs.
- Highly reliable, Low cost designs.



Bending

- 5-Axis, CNC Press brakes is used for precise & Smooth bending Process.
- Different types of tools are used for different type of bending.



Pre-Treatment Process

- Also known as 7 Dip Chemical Treatment process is done before powder coating in order to remove rust, oil, greasing.
- In this process the fabricated parts are passed through chemicals & DM.



Wiring & Bus Bar Assembly

- Automatic machine is used for Bus-Bar cutting, bending & punching process.
- Panel wiring is done after the installation of electrical products as per SLD and approved Drawing.



Cutting

Highly precise CNC & NC cutting machines are used for cutting sheets for perfect finishing and accurate parts.



Fabrication

Metal fabrication is the creation of metal structures by cutting, bending and assembling processes. It is a value-added process



Powder Coating

Powder coating is a type of coating that is applied as a free-flowing, dry powder. Unlike conventional liquid paint which is delivered via an evaporating solvent, powder coating is typically applied electrostatically and then cured under heat. The powder may be a thermoplastic or a thermoset polymer.



Testing

Testing of Control Panels is performed by our testing engineers so that there won't be any scope of fault or errors at the time of 3rd party inspection.

Synchronizing Panel

REW manufacturing the Synchronizing panel required at the time of loads sharing between different unit's and important in load transfer during the maintenance. Panels require two or more different sources of power likewise between DG SETS and the main GRID. Synchronizing panel is used where one DG set synchronizing with two or more DG set when mains fail all DG start at a time but after some time one will be on & other will be stop as per load demand. When load increased above 70% of the total load the 2nd DG will be start & it synchronize with first one & total load was distributed equally On that two DG set & this process will go on. During low load we can run any single unit, and synchronize more units as the load increases. This can be manual or automatic.



APFC Panel

Modern power networks consists of wide variety of electrical and power electronics loads, in case of such varying loads, the power factor also varies as a function of the load requirements .So it is practically difficult to maintain consistent power factor by the use of fixed compensation. This is achieved by using on Automatic Power Factor Correction (APFC) system which can ensure consistently high power factor without any manual intervention. REW providing the APFC Panel which is fully automatic in operation and can be used to achieve, consistently high power factor under fluctuating load conditions, Reduced kVA demand charges, Lower energy consumption in the installation by reducing losses Preventive leading power factor in an installation.



Distribution Boards

A distribution board (or panel board) is a component of an electricity supply system which divides an electrical power feed into other circuits, It has a key role in supplying power and protecting permanently installed equipment for building such as power and lighting facilities while providing a protective fuse or circuit breaker for each circuit, in a common enclosure.



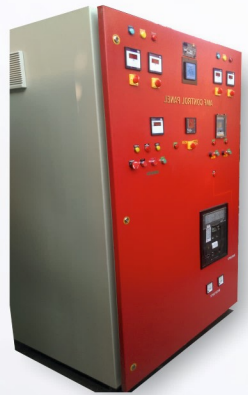
Relay Control Panel

REW offering a wide range of Relay Control Panels, developed and designed keeping in mind use of advanced technology and quality components. A control & relay panel is designed to provide to control the associated line or transformer through outdoor switchgear at various 11KV and 33KV zonal substations. The control & Relay panels are complete in themselves with all main and auxiliary relays, annunciation relay, fuses, links, switches, wiring, labels, terminal blocks, earthing terminals, base frame, foundation bolts, illumination, cable glands etc. These panels are used for the control & monitoring of electrical equipments such as transformers, generators and circuit breakers. Indoor Control panel for Outdoor VCB includes IDMT Numerical relay, Master Trip Relay, Trip circuit Supervision Relay, etc.



AMF Panel

AMF panel is the short form of Auto Main Failure panel. It is normally connected to the generator set to control the generator set function. It can call the generator set if the AMF further connected to the Main Switch Board (received power from the other source - normally from the local authority) which equipped with auto transfer switch/automatic changeover contactor. While normal supply serve to main switch board failed, the AMF board will send the power failure signal to generator set. Then the generator set will run and serve the supply to main switch board.



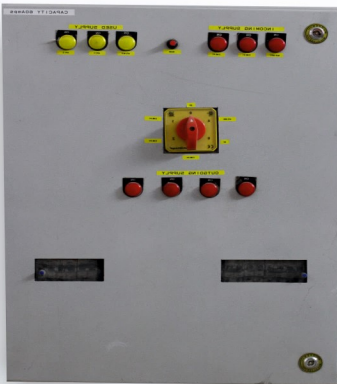
PCC Panel

PCC Panels are the most essential part of electrical system of an industry from where the power of the industry is controlled. REW is widely known for premium quality PCC panels designed and manufactured according to the customer specifications. Best quality switchgear and busbar are used for reliable and efficient performance.



Motor Control Center

MCC stands for motor control center. It consists of feeders for motors and blowers. Feeders are designed according to the motor rating. In most of the MCCs, auto/manual provision will be there. With manual provision motors can be operated manually. In auto provision external signal is required to start the motor. The signal is given by the control panel. Indicators for the motor operation also will be present in control panel. A MCC is an assembly of one or more enclosed sections having a common power bus and principally containing motor control units. MCC are in modern practice a factory assembly of several motor starters. A motor control center can include variable frequency drives, programmable controllers, and metering and may also be the electrical service entrance for the building.



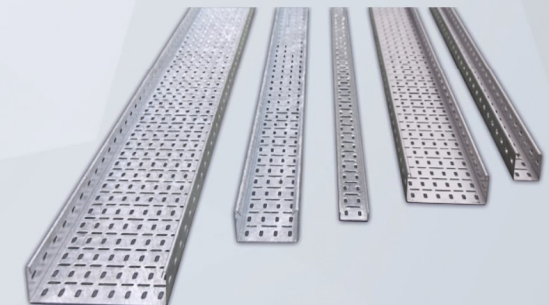
Cable Trays

In the Electrical wiring of Buildings / Malls / Cement Plant / Power Plant, a cable Tray system is used to support insulated electric cables as an alternative to open wiring or electrical conduit systems & are commonly used for cable management in commercial & industrial construction. They are especially useful in situations where changes to a wiring systems are anticipated, since new cables can be installed by laying them in the tray, instead of pulling them through a pipe.



CLS Panel

These panels conform to the RDSO specification no. TI SPC PSI CLS 0023 (CORE APPROVED ITEM) and are available in capacities of 30A 60A 150A & 300A for installation with 5KVA 10KVA 25KVA and 50KVA ATs respectively. The Automatic Supply Changeover Panels for CLS provides continuous power supply to the signalling system from the three available power sources. Normally the load remains on the Main supply and only when it is not available it automatically changes to the Stand by 1 or Stand by 2 supplies, in that sequence. An alarm buzzer sounds whenever any of the supply fails or Main supply is restored. Manual selection of the supplies is also possible with the help of a rotary switch so that supply can be made available to the signalling system during the maintenance of the automatic systems or its failure.



CHANNEL PARTNERS 14







GENERAL ELECTRIFICATION



SUB-STATIONS

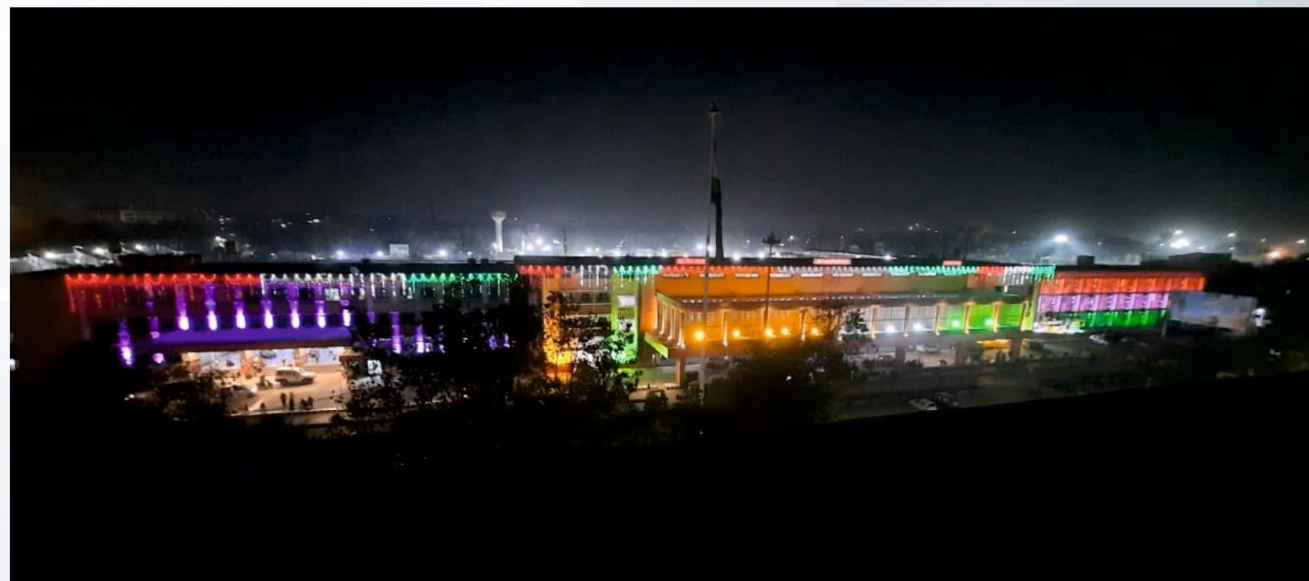


OVER HEAD ELECTRIFICATION

PICTURE GALLERY 19



EXECUTED UPTO 150TKM OHE

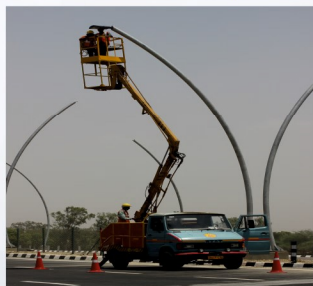
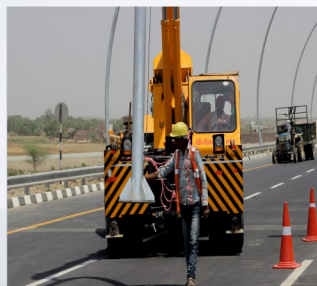
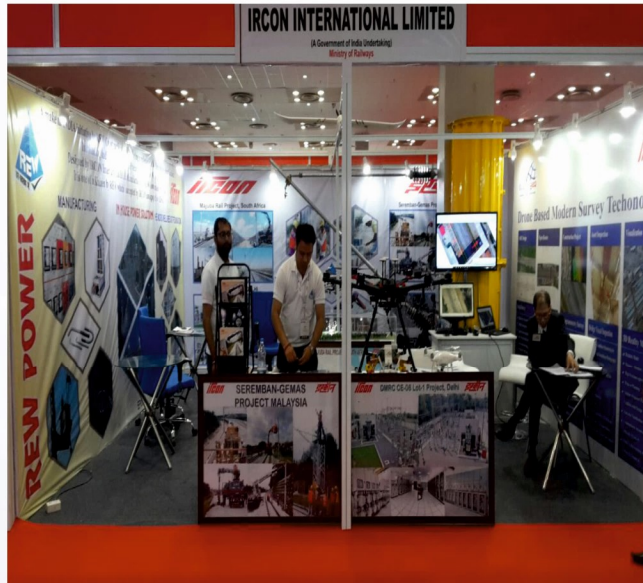


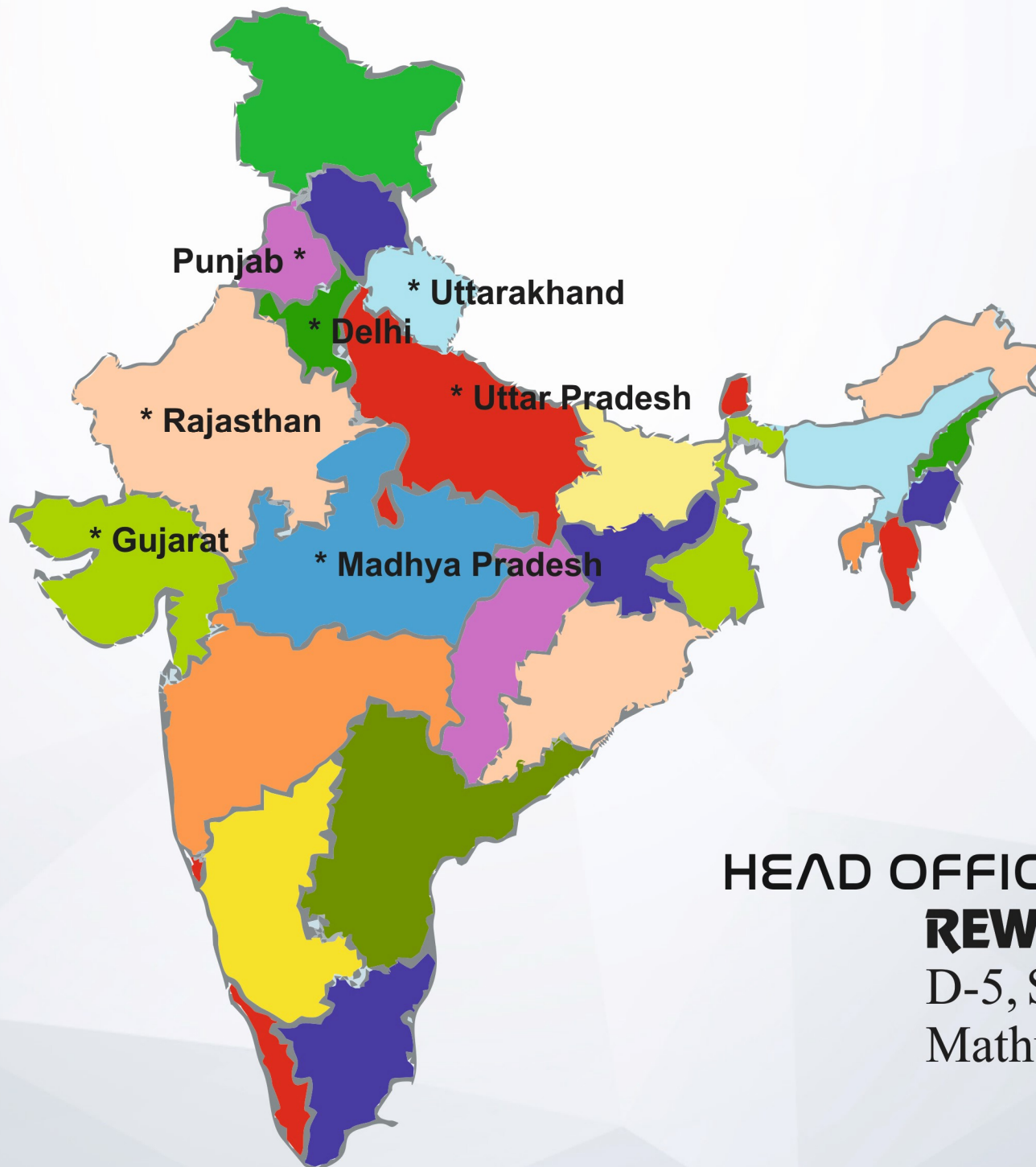
FACADE LIGHTING



LT CONTROL PANELS

PICTURE GALLERY 22





HEAD OFFICE

REW Constructions Pvt Ltd

D-5, Site A, UPSIDC Industrial Area,
Mathura (UP) - 281004



REW Constructions Pvt. Ltd.

D-5, Industrial Area UPSIDC, Side 'A' MATHURA (U.P)

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रिजल्ट्स