



**Power  
Maker**



**OUR  
PRODUCTS  
& SERVICES**

[www.powermaker.net](http://www.powermaker.net)



## company profile

Founded in the year 1999, under the chairmanship of Mr. Bimal Chandra Das, M/S Power Maker initially set its foot as a Transformer Manufacturing & Repairing company.

Over the years the company has earned a reputation and excellence in its field of work and later decided to establish another unit of its own as M/S Power Maker Unit-II, which is an ISO 9001:2015 certified manufacturer of Power & Distribution Transformer.

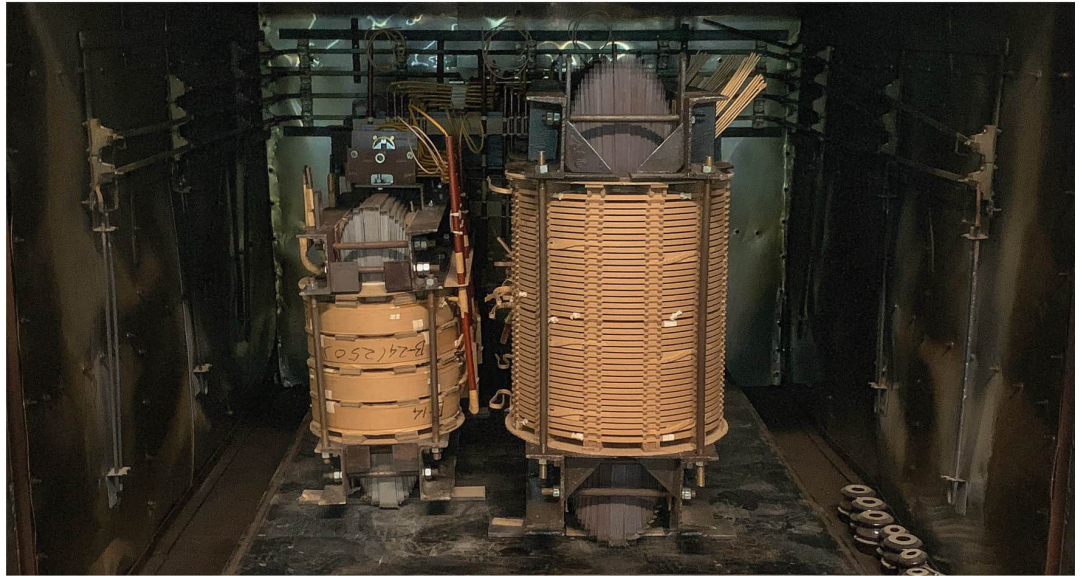
We would like to introduce ourselves as one of the leading manufacturers of Power & Distribution Transformers in the North East. Our Company is located in Amingaon at the Export Promotion Industrial Park Complex, Guwahati-781031.

The company is registered with SSI Unit and has the entire infrastructure to manufacture Transformers up to 5 MVA & Voltage class of 11 KV & 33 KV. The manufacturing is in accordance with all national standards and BIS and BEE Certifications. The Transformers are of ONAN Type and are manufactured with Off Circuit or On Load Tap Changer as per the customer requirements.

We in M/S Power Maker, make sure that our clients get the finest products and outstanding support of our after-sales services.

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## mission & vision

### Mission

Power Maker strives to focus on product, performance, and services through the constant emphasis on process quality and engineering, thus offering superior value to its customers, with a continuous urge to stay ahead, preserve, innovate and make a qualitative difference through sincere efforts.

### Vision

Power Maker aspires to emerge as a preferred solution provider for quality transformers with a team of dedicated professionals who have sound ethical knowledge, are value-driven and create excellent customer relationships.

We ensure a total commitment to the ethical business practices and guarantee customer satisfaction, setting up as a benchmark for value creation in the power sector.

The Company takes extra care to ensure timely delivery once an order is placed and a qualified team of engineers provides efficient after-sales services.



## quality control

Power Maker Transformers goes through various steps of testing and quality control methods to ensure prolonged life and superior performance. Our highly skilled design engineers have years of experience backing them.

Our transformers are designed to withstand short circuit and impulse tests. We are committed to providing products that boost our pride as a quality transformer producer

# ≡ product types

## DISTRIBUTION TRANSFORMERS

Standard Losses in watts up to 11 KV Class

Rating (KVA)	BIS Level-2		BIS Level-3	
	50 % losses	100 % losses	50 % losses	100 % losses
25	190	635	175	595
63	340	1140	300	1050
100	475	1650	435	1500
160	670	1950	570	1700
200	780	2300	670	2100
250	980	2930	920	2700
315	1025	3100	955	2750
400	1225	3450	1150	3330
500	1510	4300	1430	4100
630	1860	5300	1745	4850
800	2287	6402	.....	.....
1000	2790	7700	2620	7000
1250	3300	9200	3220	8400
1600	4200	11800	3970	11300
2000	5050	15000	4790	14100
2500	6150	18500	5900	17500

Standard Losses in watts up to 33 KV Class

Rating (KVA)	BIS Level-2		BIS Level-3	
	50 % losses	100 % losses	50 % losses	100 % losses
25	204	638	188	640
63	366	1226	323	1129
100	511	1774	468	1613
160	720	2096	613	1828
200	839	2473	720	2258
250	1054	3150	989	2903
315	1102	3333	1027	2956
400	1317	3709	1236	3580
500	1623	4623	1537	4408
630	2000	5698	1876	5214
800	2459	6882	.....	.....
1000	2999	8278	2817	7525
1250	3548	9890	3462	9030
1600	4515	12685	4268	12148
2000	5429	16125	5149	15158
2500	6611	19888	6343	18813

## ENERGY EFFICIENT POWER TRANSFORMER DETAILS

KVA	Impedence percentage	No load losses	Load Losses
2500 KVA 33/11 KV	6.25	2.1 KW	14 KW
5000 KVA 33 /11 KV	7.15	4.0 KW	24 KW
1000 KVA 33/11 KV	8.35	6.0 KW	44 KW

### DISTRIBUTION TRANSFORMERS

#### Standard fittings

- Tanks Base Channels/ With Rollers • Lifting Lugs • Drain Valve • LV Cable Box/ Bus Duct
- Tank grounding Provision • Rating and Diagram Plate • Silica-gel Breather • Filter Valve
- Conservator • Primary Bushings • Arcing Horns (AsApplicable) • Secondary Bushings
- Marshalling Box (AsApplicable) • Oil Level Indicator • Arcing Horns
- Off Circuit Tap Changer/ On Load Tap Changer/ with Remote Wpe Changing Control & Automatic Voltage Regulator

#### Optional fittings

- HV cable box • Oil Temperature Indicator (with Alarm and Trip contacts)
- Winding Temperature Indicator (with Alarm and Trip contacts)
- Buchholz Relay (for ratings above 1000 KVA) (with Alarm and Trip contacts)
- Magnetic Oil Level Gauge (with Alarm contacts) • Neutral CT
- Pressure Relief Device / Explosion Vent (with Alarm contacts)

### POWER TRANSFORMERS

#### Standard fittings

- Skid Base / Roller Arrangement • Rating and Diagram Plate • Earthing Terminals • Lifting Lugs • Primary Silica gel Breather • Drain / Filter Valves Bushings • Secondary Bushings • Conservator • Oil level Guage • • Thermometer Pockets • Marshalling Box • Inspection Cover • Terminal Connectors • Buchholz Relay

#### Optional fittings

- Magnetic Oil Level Guage • Winding Temperature Indicator • Pressure Relief Device / Buchholz Relay • Explosion vent • OffcircuitTap Switch/On load Tap RTCC&AVR • Siphon Thermo Filter

# ≡ transformer accessories

With the support of our highly sophisticated infrastructure facility, we have been able to cater to various requirements of our clients pertaining to Power & Distribution Transformers accessories. These products are available in various standards specifications that can also be customized to suit the specific requirements of the clients.

Presenting our wide range of Accessories for Power & Distribution Transformers including CGRO cut core lamination, Core-Coil assembly, Insulation Papers, Tank, DPC wire, Transformer Brass Metal Parts, Transformer Tanks, HV & LV Bushings, Cork- Gasket Components, Hardware and fasteners, Pressure Relief Valves, Radiator Valves, Magnetic Oil Level Gauges, Prismatic Oil Level Gauges, Silica Gel Breathers, Buchholz Relays, etc... We can supply the above accessories as per the required standards and approved manufacturers.





## ≡ repairing services

repairing transformers cuts the investment cost and provide a faster turn around than buying a new transformer.

### Scope of Work:

We repair both Power and Distribution Transformer from 25 KVA TO 50 MVA 220/33 KV at our workshop. Upon receiving the transformer in the workshop, a visual inspection and electrical control are performed to find out a root cause of failure and the action needed to be taken to repair it is conveyed, so that the delivery date can be provided. We only provide Off-Site repairing service. On-site services are provided on special occasions or emergencies only.

We provide onsite checkup & Overhauling services. We have a mobile Filter unit for onsite oil filtration with the capacity of 8000 Ltrs/hr with 2 stage vacuum



## ASSAM

### VALUED CUSTOMER

APDCL, Assam  
NEEPCO Ltd  
N F Railway, Maligaon  
AIIMS, Changsari, Kamrup  
Down Town Hospital, Guwahati  
IIT Guwahati  
IOCL Ltd  
Nemcare Hospital, Guwahati  
NRL Ltd, Numaligarh, Ghy  
Shapoorji Pallonji and Company Pvt Ltd  
Mukund Group of Companies  
Protect Realtors Pvt Ltd  
Industrial Trade & Agencies  
N.S Electrical  
GNRC Hospital, North Guwahati  
Lower Assam Hospital, bongaigaon  
BLB Mercentile  
Sarala Birla Gyan Jyoti School, Amingaon  
Goswami Associate  
Ashoka Weaving Ltd, Ambari  
Mega Electricals  
Trinoyonee Electrical Engineering, Silchar  
NERIM Group of Institute  
Dharampal Premchand Ltd India, Guwahati  
Ozone Pharmaceutical Ltd

## OTHER STATES

### VALUED CUSTOMER

NEHU Shillong  
Infra Developers, Tripura  
M D Enterprise, Arunachal Pradesh  
North Power Carrier, Nagaland  
National Power System, Nagaland  
Pioneer Engineers & Suppliers, Nagaland  
MEPDCL, Meghalaya  
Central Electrical Division of Power, Arunachal Pradesh  
Department of Power, Nagaland  
TSECL, Tripura

# valued customer list





# ≡ milestones

## MANUFACTURING OF TRANSFORMERS

TYPE	YEAR
1 MVA	2006
2.5 MVA	2006
3.15 MVA	2010
5 MVA	2011
7 MVA	2011
Esteroil	2019

## REPAIRING OF TRANSFORMERS

YEAR	TYPE	CLIENT
2007	30 MVA, 132/33 KV	Sisugram substation, TNT, ASEB
2008	5 MVA, 33/11 KV	APSERC, Arunachal Pradesh
2012	2 no. of 50 MVA, 11/132 KV Generation transformers	Karbi Langpi substation, AEGCL
2017	25 MVA, 132/33 KVA	TSECL, Tripura
	Overhauling 50 MVA, 132/33 KV	Tripura
2019	12.5 MVA, 132/33 KV	DPN, Nagaland
	25 MVA, 132/33 KV	

# ≡ research & development

At Power Maker we are always rooting to develop and revolutionize green energy as a replacement for traditional fossil energy due to it's ill effects on the environment. Our research team has been developing a new kind of transformer that runs on green oil such as Biotransol.

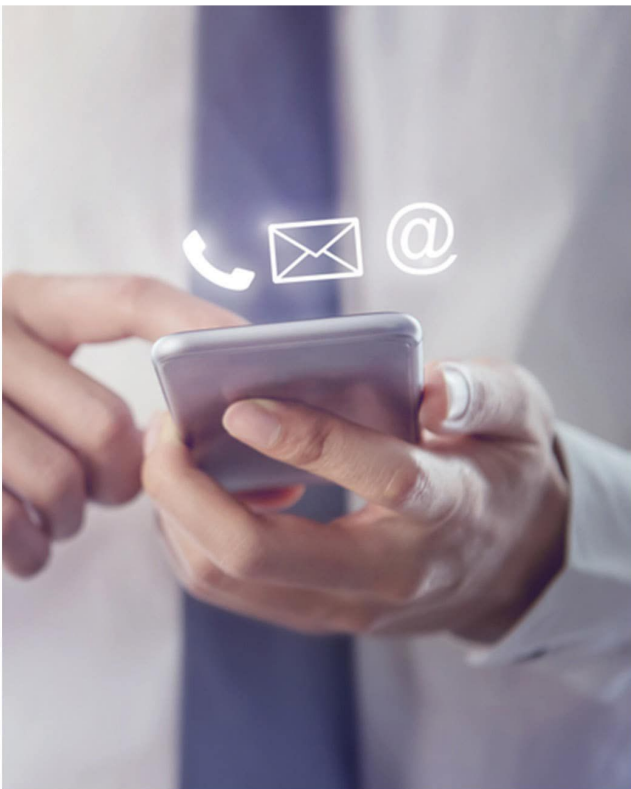
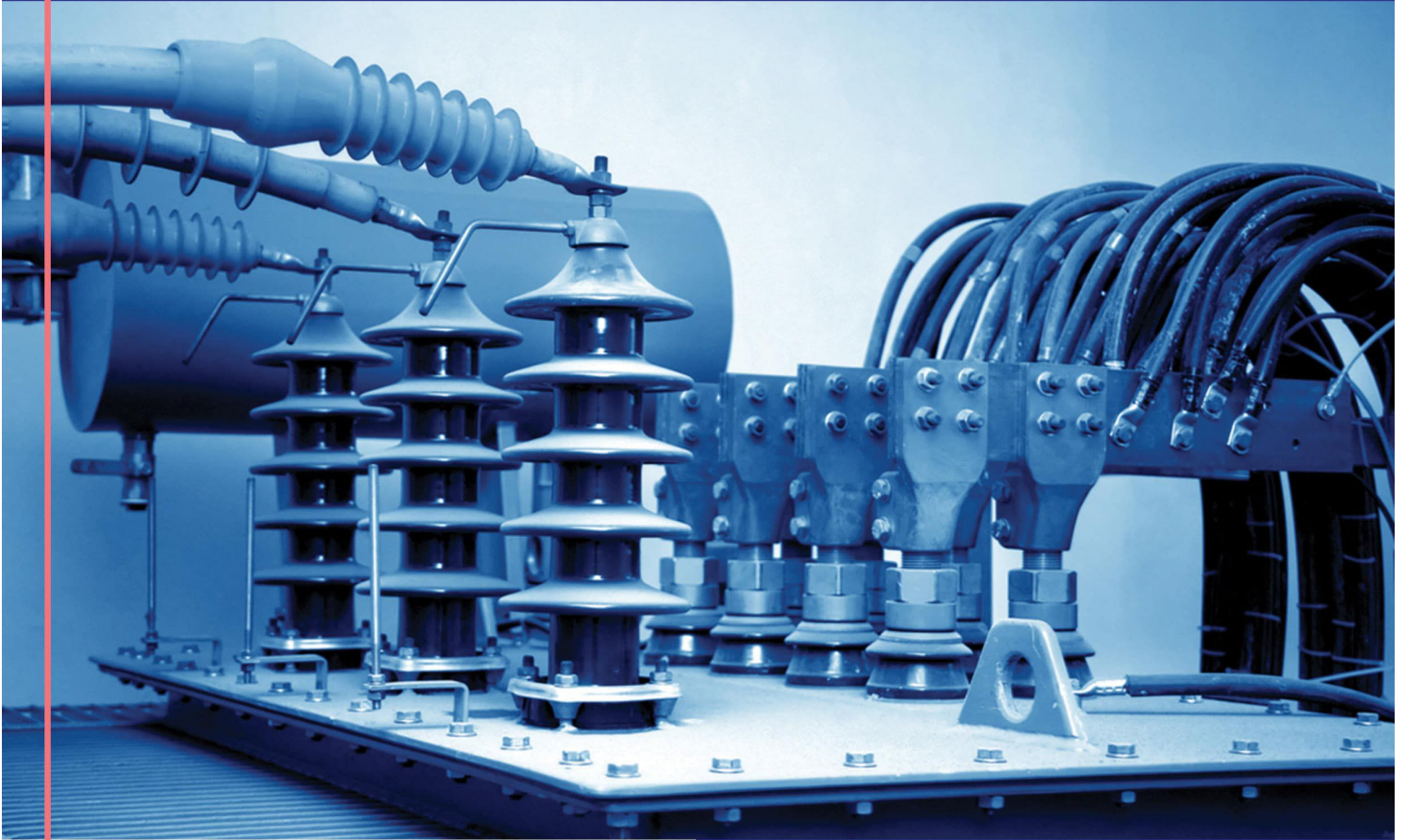
## about Biotransol

Biotransol HF is a natural ester based dielectric fluid based on renewable vegetable oils. The fluid is readily biodegradable as per US EPA OECD 301B. environmentally friendly and non-toxic to aquatic life. The product is certified for its electrical and chemical properties by CPRI, a reputed laboratory in India for dielectric fluid testing. It is also tested & certified at the reputed laboratories of Intertek for its biodegradability & absence of aquatic toxicity. Designed to have superior properties as compared to conventional mineral based Oils, Biotransol HF is classified under K class based on its high flash and fire point. These characteristics make Biotransol HF the ideal choice for applications requiring high fire safety and environmental protection in case Of accidents or spillages.





# contact us



## M/s Power Maker

Address- Epip complex,  
Amingaon, Guwahati, Assam  
-781031

Phone- 075770 79392  
Email- [info@powermaker.net](mailto:info@powermaker.net)