

IMP POWERS LTD

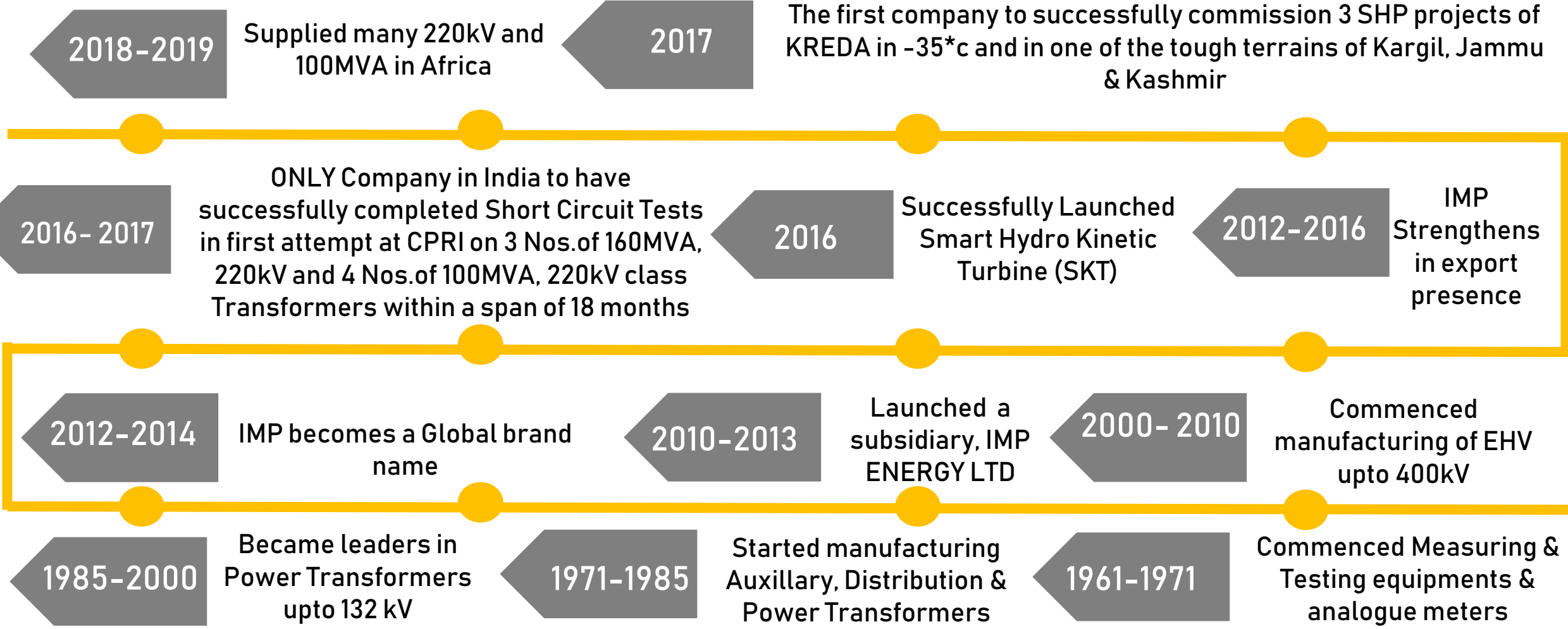
“Transforming The Globe”



POWER PROJECTS PORTFOLIO



OUR JOURNEY



VISION & MISSION



To continuously add value to our Customers which helps increasing their profitability



To be amongst the Top 3 Power Transformer manufacturing companies in the country



To Step up Globally



To contribute efficiently in the growth of T & D sector of the country



To continuously innovate and improve on Quality, Delivery & Performance

OUR BUSINESS VERTICALS



TRANSFORMERS

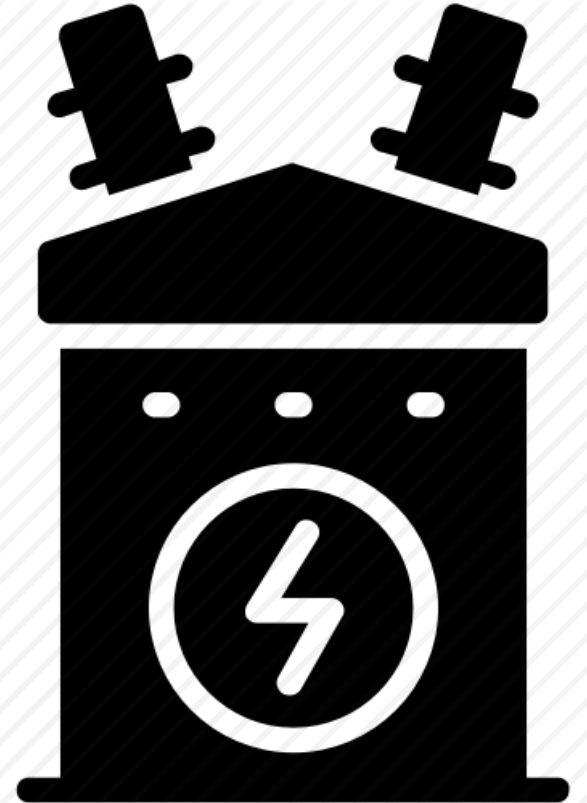
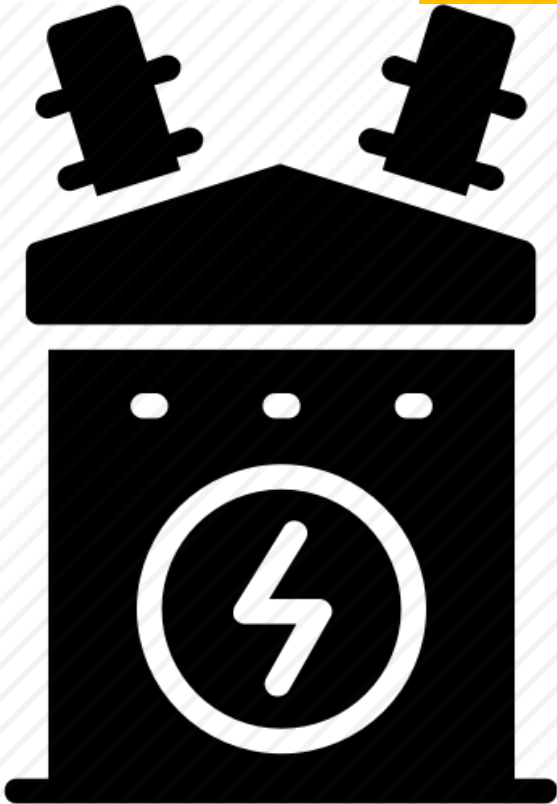


EPC IN SMALL & MINI HYDRO
POWER PROJECTS



HYDRO KINETIC
TURBINES

TRANSFORMERS



OUR PRODUCT RANGE

06

POWER
TRANSFORMERS

FURANCE
TRANSFORMERS

SPECIAL PURPOSE
TRANSFORMERS

EHV
TRANSFORMERS

DISTRUBUTION
TRANSFORMERS

GENERATOR
TRANSFORMERS

AUTO
TRANSFORMERS

STATION
TRANSFORMERS

UNIT AUXILLARY
TRANSFORMERS

MANUFACTURING FACILITIES

07

Our State-of-Art world class Transformer factory is located at Silvassa 3 hours drive from Mumbai





- IMP gives high emphasis to design and Development for providing optimized transformer designs thereby increasing Customer profitability
- Over 15,000 CAD/CAM transformer designs are readily available
- IMP transformers are designed to Indian and International Standards like IS, IEC, ANSI, DIN and AS/NZ standards

QUALITY SYSTEM



09



NABL TESTING EHV LAB

10



  **National Accreditation Board for Testing and Calibration Laboratories**
(A Constituent Board of Quality Council of India)


CERTIFICATE OF ACCREDITATION


IMP POWERS LTD.
has been assessed and accredited in accordance with the standard
ISO/IEC 17025:2005
"General Requirements for the Competence of Testing & Calibration Laboratories"
for its facilities at
Survey No. 263/3/2/2, Sayli Village, Umarkin Road, Silvassa, Dadra & Nagar Haveli
in the field of
TESTING

Certificate Number TC-5485 (in Ass of 72486)
Issue Date 28/05/2017 Valid Until 27/05/2019

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL.


N. Venkateswaran
Program Director


Anil Relia
Chief Executive Officer

SC TESTING-CPRI

The ONLY Company in India to have Successfully passed Short Circuit Tests in the FIRST ATTEMPT on 4 Nos. of 100MVA, 220kV class Transformers & 3 Nos 160 MVA within a span of 24 Months

100 MVA, 220/132 kV Auto Transformer

100 MVA, 220/33 kV Power Transformer

100 MVA, 220/66 kV Power Transformer

100 MVA, 230/110/11 kV Auto Transformer

160 MVA, 220/66 kV Power Transformer

160 MVA, 230/132 kV Auto Transformer

160 MVA 230/110 kV Auto Transformer

CPRI AWARD

12



IMP POWERS has received the most valued customer award for 17-18 from CPRI. This is the 3rd time we have received & second consecutive year in running. This prestigious Award Shows our consistent quality at the highest level

AFTER SALES SERVICE

13



IMP's team comprises of over 50 qualified service engineers who offer supervision for the **ERECTION, TESTING & COMMISSIONING** of the transformers at site both in India & overseas

CUSTOMERS

Few of our esteemed customers: T & D utilities in India & overseas

Few of our esteemed customers: Renowned EPC & Industrial Companies



GLOBAL PRESENCE



MIDDLE EAST

- Oman
- Yemen
- Kuwait
- Bahrain
- Qatar
- Jordan

ASIA PACIFIC

- India
- Nepal
- Srilanka
- Bangladesh
- Bhutan
- Myanmar
- Australia
- New Zealand

AFRICA

- Kenya
- Rwanda
- Botswana
- Zambia
- Senegal
- Gambia
- Ivory coast
- Nigeria
- Cameroon
- Laos
- Ghana
- DR congo

FAR EAST

- Malaysia
- Phillipines
- Thailand

EUROPE

- United Kingdom

INTERNATIONAL INSTALLATIONS

AFRICA

71 MVA, 330 kV



ZAMBIA

20 MVA, 110 kV



RWANDA

66 MVA, 161 kV

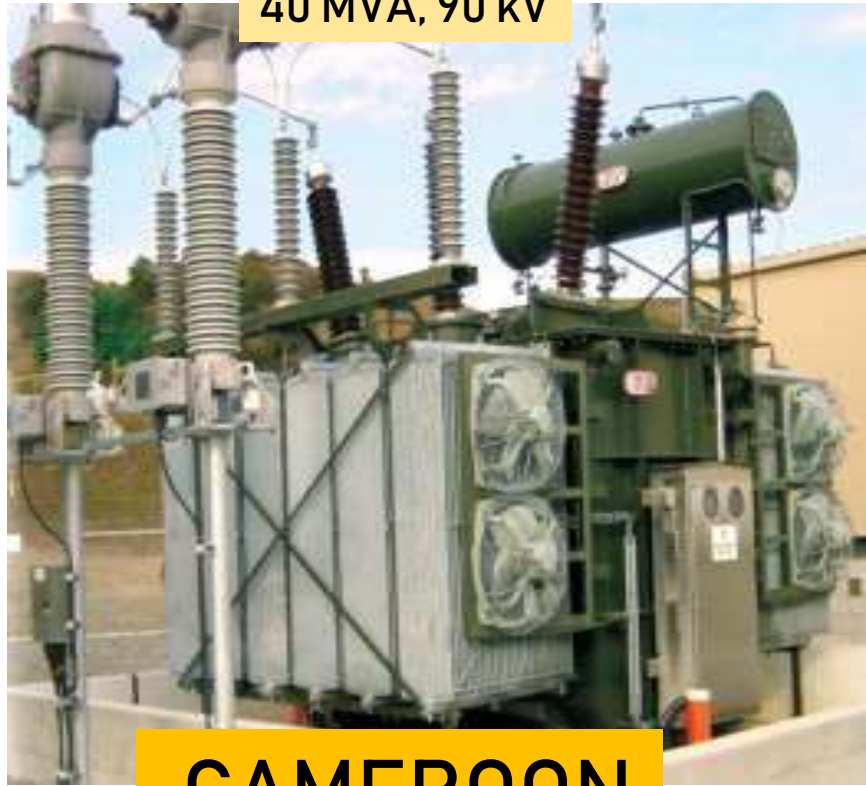


GHANA

INTERNATIONAL INSTALLATIONS

AFRICA

40 MVA, 90 kV



CAMEROON

40 MVA, 132 kV



BOTSWANA

220kV



IVORY COAST

INTERNATIONAL INSTALLATIONS

ASIA PACIFIC

12 MVA, 66 kV



AUSTRALIA

12.5 MVA, 33 kV



SRI LANKA

INTERNATIONAL INSTALLATIONS

ASIA PACIFIC

31.5 MVA, 66 kV



MYANAMAR

25 MVA, 110 kV



NEW ZEALAND

DOMESTIC INSTALLATIONS

3 x 53.33 MVA, 220 kV



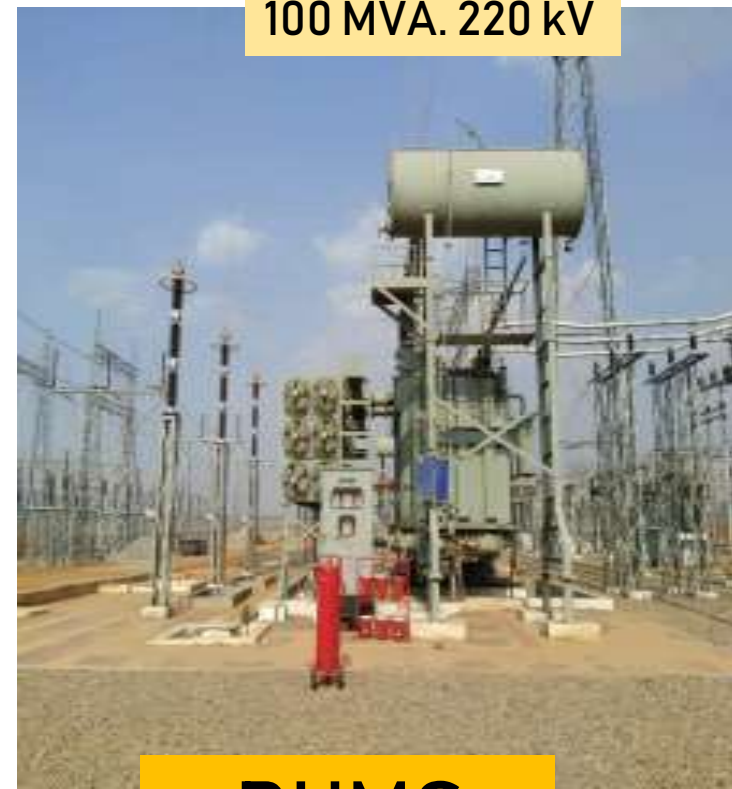
JKPDD

160 MVA, 230 kV



NEVYLI

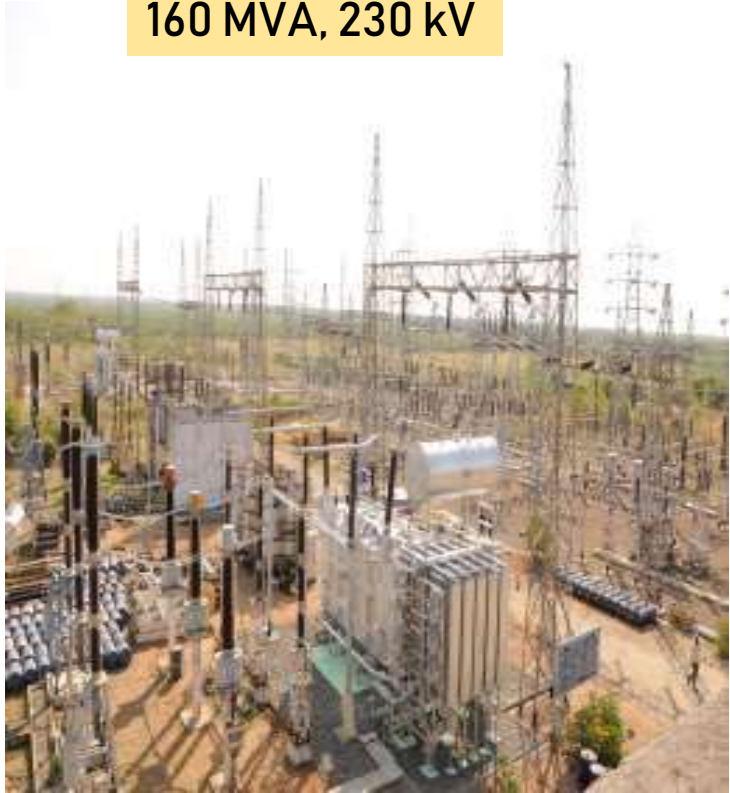
100 MVA, 220 kV



RUMS

DOMESTIC INSTALLATIONS

160 MVA, 230 kV



TANTRANSOCO

100 MVA, 220 kV



RRVPNL

20 MVA, 132 kV



ORISSA

DOMESTIC INSTALLATIONS

100 MVA, 220 kV



HARYANA

160 MVA, 230 kV



MPPTCL

WHY IMP

LEADER in the 132kV and 220kV Class Transformers in India offering end to end solutions from design, manufacturing, testing, commissioning and maintenance



Over 55 years of manufacturing and Design Excellence with a prototype of Over 15,000 design for reference



90% repeat orders showing High Customers Satisfaction



ONLY Company in India to have successfully completed Short Circuit Tests in first attempt at CPRI on 3 Nos. of 160MVA, 220kV and 4 Nos. of 100MVA, 220kV class Transformers within a span of 18 months



Installed base of over 100,000 MVA in India and 29 countries across the globe



NABL Accredited in-house EHV testing laboratory



State-of-Art Manufacturing & Testing facilities for EHV Transformers (upto 315 MVA, 400kV)



RENEWABLES



IMP ENERGY: THE SUBSIDIARY OF IMP POWERS LTD



- **IMP ENERGY LTD.** was launched in the year 2011 with a clear vision of providing clean and green power in the renewable energy sector by setting up of small and mini Hydro Power Plants in the country
- The company has made long strides in a very short span in providing most modern technology effecting fresh innovations resulting in perfect results

- IMP has already started commissioning Small Hydro Projects (SHP) awarded by KREDA. The capacity includes entire Hydro Power Sub Station i.e. Engineering, Procuring and Commissioning of Small Hydro Projects in India
- IMP has Successfully commissioned three projects of 2x750 kW (Bairas and Sangrah) in 2017-2018 and 2x500 kW Chillong in 2018-19 in Kargil region on EPC basis
- One SHP project 2x750kW Bairas is located in Drass region of Kargil which is the second coldest inhabitable place with -35°C in the world
- Supported & financed by PM's Ladakh Renewable Energy Initiative and providing power to more than 4000 families & Army establishments in respective region
- IMP is currently commissioning three Small Hydro Projects at Khandi (2x750kW), Matayeen (1x550 kW) and Raru (2x1000 kW) in Kargil region

**The FIRST company to
successfully commission
3 SHP projects of KREDA in
the tough terrains of
Kargil, Jammu & Kashmir**

HYDRO POWER PROJECT IN KARGIL, J & K



BAIRASS

2x750 kW
Bairass (at -34°C
temperature)



HYDRO POWER PROJECT IN KARGIL, J & K



SANGRAH

**2x750 kW
Sangrah (at -
34°C
temperature)**



HYDRO POWER PROJECT IN KARGIL, J & K



CHILLONG

2x500 kW Chillong
(at -25°C
temperature)
CHANGE PHOTO



- “A BREAKTHROUGH (PLUG & PLAY) TECHNOLOGY” introduced first time ever in India. Kinetic Energy Turbines harness energy from flowing water of canals, rivers and man-made water bodies. Introduces base-load power supply. Also known as a zero head or Plug & Play turbine
- LICENSED for 20 years by “Smart Hydro Power GMBH Ltd.” an innovative technical company of Germany, establishing an exclusive right TO IMP GROUP for manufacturing of turbines under it’s own brand in licensed territory i.e. India, Nepal, Bhutan, Laos, Sri Lanka & Eastern Africa
- “AREA OF APPLICATION” are Rivers, Canals, Cooling canals of Thermal power stations, Tail races of hydro power plants, Sewage treatment plants, Applicable for hybrid model with solar power in Decentralized distribution and generation scheme under DDUGJY

IMP Powers Ltd. Series of "Hydro Kinetic Turbines"

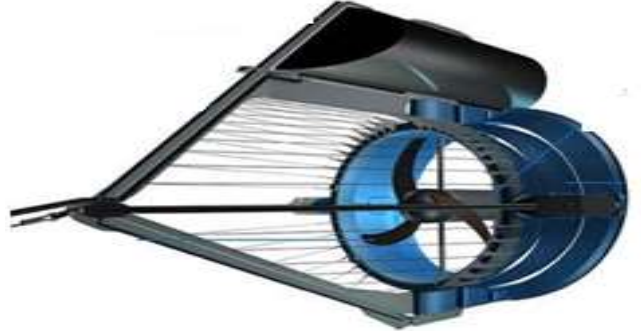


Smart Free-stream without Diffuser



Smart Free-stream with Diffuser

Floating Models



Smart Mono Float Turbine



Smart Dual Float Turbine



Monofloat

Free Stream



- 5 kW Axial flow hydro kinetic turbines
- In predictable flows capable of high PLF plants (75-85%)
- Not weather dependent
- Round the year power generation(365 days*24 hrs)
- Acts as a Base Load plant with minimum T&D losses
- Power evacuation in on-grid, off-grid & hybrid mode possible
- Easy & fast installation (Within 10 days depending on site) with minimal cost implication
- Low operation & maintenance cost
- Expandable system with multiple turbines by deployment of units in arrays & stacks

WHY SMART KINETIC TURBINE?

PARAMETERS



- ENERGY USED
- HEAD DIFFERENCE
- E & C - TIME
- DISPUTES
- PAYBACK PERIOD

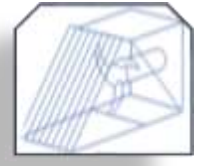


CONVENTIONAL HYDRO PP



- POTENTIAL
- REQUIRED
- IN YEARS
- YES
- MORE

KINETIC HYDRO PP



- KINETIC
- ZERO HEAD
- 15-20 DAYS
- NO
- LESS



- Project installed with capacity of 4 x 5kW and successfully commissioned under R&D initiative of NLCIL
- The project has been synchronised with 0.415kV, 50 Hz NLCIL grid in the month of October, 2017
- The project has been designed with Automatic braking and Online monitoring system of generation through SCADA
- The project is expected to feed above 1.10 Lakh units to the grid annually. As on February 2019, above 1.30 Lakh units have been fed to the grid
- Award received by NLCIL from CBIP for Successful one year operation of 4x5 kW Neyveli Project installed by IMP Powers Ltd.

FUTURE PROJECTS

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| Sr. No | Project/Site Name | Customer | Contract Agreement Details | | |
|--------|---------------------|-----------------------------|----------------------------|---------|---------------------|
| | | | Capacity | Year | Current Status |
| 1 | Bathinda | PEDA | 200 kW | 2018-19 | LOA received |
| 2 | Kakkad | EMC | 25 kW | 2018-19 | P.O. received |
| 3 | Bhakra Beas | Punjab | 20 kW (trial) | | Under Consideration |
| 4 | Vajara SHP, Shahpur | Gelada Group Maharashtra | 200 kW | | Under Consideration |
| | Total Capacity | | 445 kW | | |

Corporate Office:

IMP POWERS LTD.

CH-7,Inspire Business Park,
Shantigram, Near Vaishnodevi
Circle,

Ahmedabad,Gujarat-382421

Tel. : 91-79-26575757

Email: info@imp-powers.com

THANK YOU!