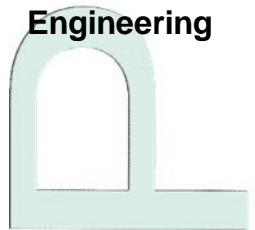


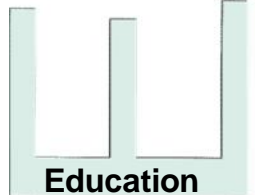
Presentation



Manufacturing

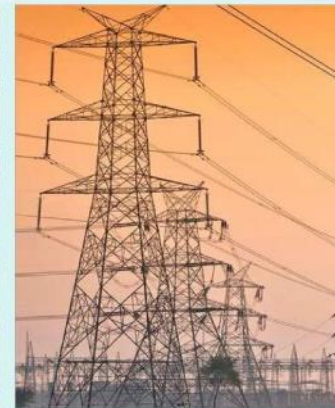


Engineering



Construction

Education



Mavin Switchgears and Control Pvt. Ltd.

Quick Facts on Mavin



MAVIN is amongst the selected EPC Company with an entire gamut of capabilities that spans the spectrum of Power Transmission and Sub-stations business.

As an EPC leader in the power transmission business, MAVIN provides concept to commission end-to-end solutions ranging from in-house designs, engineering, procurement, construction, erection, testing and commissioning of Power Transmission Lines, Underground Cable Works , AIS & GIS Substation upto 400KV.

Formation / Experience

- Established in 1984
- More than 38 years of experience
- Pan India Presence
- Having five regional offices
- Commissioned more than 350 SS, 2000 KMs of Trans. Line & UG Cable.
- Super Grade Electrical License of various States & Central Govt.

Present Focus

- Metro Projects
- Airport / Port Projects
- Smart City Projects
- Water Management / Lift Irrigation
- Data Centres / IT Business Park
- Industrial Infrastructure Projects
- Power Evacuation Projects
- Renewable Energy Projects

Expertise / Facilities

- National & International Presence
- In-House Design & Engineering
- Exclusive tie-up with OEMs
- Logistics & Transportation
- Consultancy / Project Management
- Certified & Experienced Professionals
- In-house Testing & Commissioning
- Operation & Maintenance



Vision & Mission



Vision

Enable sustainable energy transition of power grids of the world.

Mission

To become partner of choice of global and local energy sector companies for their power equipment and engineered product package solution needs.

Focus on new energy segment, data centres & smart Grid



Targeting Mavins proportionate growth & presence in sustainable energy transition.

Focus on drop in emissions, by digitalization & decarbonization of power grids



Management Team



The Leader



Irshad Ahmed Khan
Founder, Managing Director & CEO

Mr. Irshad Ahmed Khan (IAK) has been at helm of the business since its inception in 1984. Mastering the science of the Power T&D industry, IAK elevated MAVIN to new heights with his vision to eliminate the gap between small time contracting firms and the high end multinational companies. IAK has been highly passionate about solutions in the power industry. He almost single handedly nurtured MAVIN over the last 3 decades of MAVIN's existence. His quest for state of the art and at the same time out of the box exclusive solutions has led to execution of almost impossible power projects using both the GIS and AIS technologies. Pioneering GIS technology in many of the utility companies in India, his thirst remains unquenched. IAK keeps relentlessly exploring the most advanced technologies being used across the globe with extensive global tie-ups to bring them to life in India. IAK's vision has kept MAVIN ahead of its peers in terms of pioneering technology use and this trend will continue.

IAK is the CMD of Mavin Group which consists of companies namely, Mavin Switchgears and Control Pvt. Ltd, Mavin Engineering Services, Power and Energy Technologies Pvt. Ltd, Mavin Infra Pvt. Ltd, Advance Technology and Research Institute associated with the Power Sector mainly Engineering, Infrastructure, Manufacturing, Education.

IAK has been an important member of many delegations organized by FICCI / CII to foreign countries like Japan, Russia, Turkey, Malaysia, China, USA, Canada, Poland, Netherland, Germany, Italy, South Africa, Brazil, Saudi Arabia, UAE etc. to generate foreign investment and to get world class technologies and products for Indian Power Projects.

Management Team

Prashant Mishra
Director - Emerging Businesses

Mushtaque Ahmed
Director - Corporate Affairs

Jaideep Navander
Director - F & A

Tarun Nanda
Director - Operations

John Lanka
Head – Contracts

Balaraja S.
Head - SCM

Amol B Lad
Head – Projects

Rafath Alam
Head – Business Operations

Rana Irshad Khan
Head - Design & Engineering

Sana Irshad Khan
Head - System Support



Business Areas



Data Centre Infrastructure



Green Energy



EHV Transmission Line



EHV UG Cable Works



AIS / GIS Sub-station



Metro



Automation & Smart Grids



Industrial Infrastructure



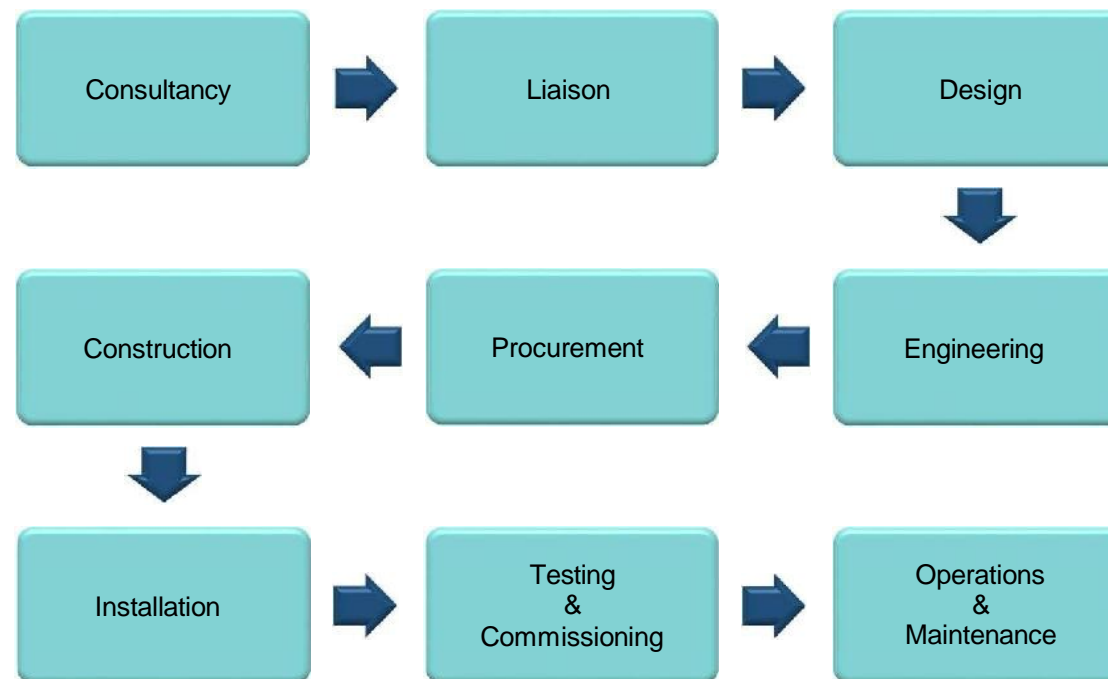
Mavin Mission 2030



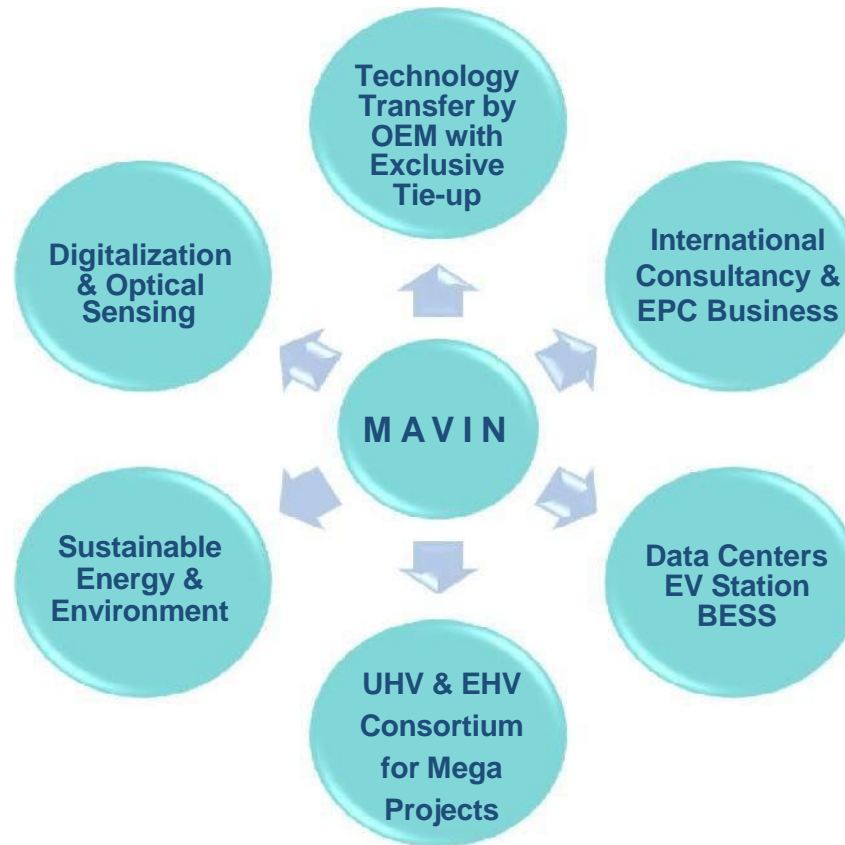
- 5000 cr Company
- Ultra High Voltage Projects 765/1100KV
- Renovation & Modernization of System
- 50 Substation Govt. Utility Projects
- 50 Substation for Metro, Airport, Sea Port, Data Centres, Smart Cities, SEZ, etc.
- 50 Battery Energy Storage System & EV Station Projects
- Exclusive Tie-up with OEMs for Smart GIS, BESS, SAS, Transformers, Cables, etc.
- Setting up more Regional Offices
- State of Art Technology Centre
- Complete Power House
- Parallel Business Operation
- Business Expansion in South Asia, Middle East and Africa.



Business Integration

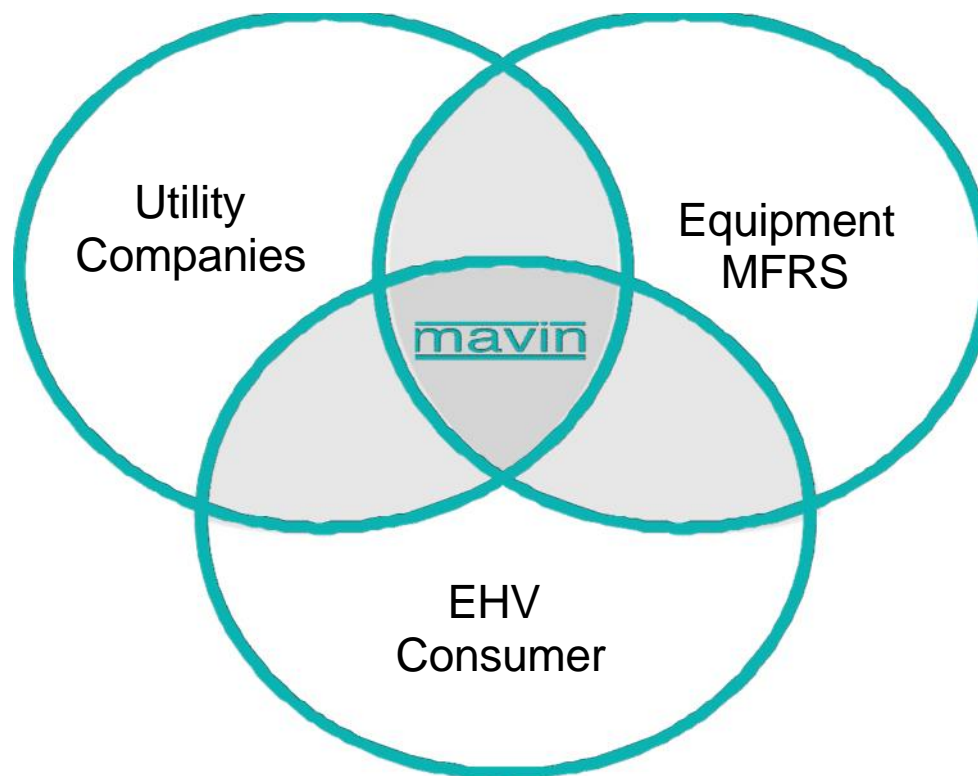


New Business Partnership



Mavin's Win-Win Solution Through its Integrated Services

mavin



Mavin & GIS Projects



GIS Substation projects completed up to 400KV

Engineering Procurement Construction (EPC)

14 Nos



Consultants (Design, Engineering, PMC)

17 Nos



Installation Testing Commissioning (ITC)

32 Nos



Mavin Switchgears and Control Pvt. Ltd.

GIS Projects Executed



Year of Work	Work Order No.	Name of Sub-station	Description of Work
2020 - 2023	DMRC Contract AE-01	110/33/25KV GIS Substation, Charkop Depot, Mumbai	Design, Engineering, Procurement, Installation, Testing & Commissioning of 110KV GIS Receiving cum 25KV AC Traction cum 33KV Auxiliary Main Substation at Charkop Depot, 2A Line, Mumbai Metro Rail Project.
2018 - 2022	Contract No. 2590	220/11KV GIS Substation, HAL HQ	Establishment of 220/11KV GIS Substation including 11kV Distribution Network, SCADA and allied Civil Works at HAL Bangalore
2017 - 2021	Contract No. 3658-60	220/66/11KV GIS MEBP/KPTCL Substation, Bangalore	Consultancy, Design, Engineering, Consultancy, Survey, Civil, Supply, Erection, Testing & Commissioning of 220/66/11 KV GIS Substation with 220 KV Underground Cable & 66KV Underground Cable Work for Manyata Embassy Business Park, Bangalore.
2016 - 2019	Contract No. 1002, 1007	220/33 KV GIS Substation Infocity II, Bhubaneswar, OPTCL	Design, Engineering, Survey, Civil, Supply, Erection, Testing & Commissioning of 2 x 40MVA, 220/33 KV Gas Insulated Substation (GIS) at Infocity II, Bhubaneswar, OPTCL, Odisha. (EPC Basis)
2015 - 2018	Contract No. 1200011737	220/33 KV GIS Substation Infosys/TSTRANSCO Substation, Hyderabad	Consultancy, Design, Engineering, Consultancy, Survey, Civil, Supply, Erection, Testing & Commissioning of 220/33 KV GIS with 220 KV OH Transmission Line & 220 KV U/G Cable Work for M/s. Infosys Ltd, Pocharam, Hyderabad. (EPC Basis)



GIS Projects Executed



Year of Work	Work Order No.	Name of Sub-station	Description of Work
2014 - 2015	Contract No. 896	132/11 KV GIS Can Pack / MSETCL Substation, Aurangabad	Consultancy, Design, Engineering, Consultancy, Survey, Civil, Supply, Erection, Testing and Commissioning of 132/11 KV GIS for M/s. Can Pack India Pvt. Ltd. (Bottling Division), Waluj, Aurangabad. (EPC Basis)
2013 - 2014	Contract No. 1300009946	220 KV GIS Infosys / MSETCL GIS Substation, Pune	Consultancy, Design, Engineering, Survey, Civil, Supply, Erection, Testing & Commissioning of 220/22 KV Gas Insulated Substation (GIS) for M/s. Infosys Ltd, Hinjewadi, Pune. (EPC Basis)
2011 - 2012	539/22/3, Substation No. 8505	Turnkey back to back project of 132/33KV, 2 X 50 MVA Al Ruma Substation.	<ul style="list-style-type: none"> • 132KV bays with Gas Insulated Switchgears: TMT & D make (Japan) • 2 X 50 MVA, 132/33KV Power Transformer: Crompton Greaves (India) • 10 No's of 33KV bays with Metal Clad Switchgears: Schneider Electric (KSA) • SCADA and Telecom Equipment: Schneider and Al Haider Co. (KSA)
2009 - 2011	SEC-WR Contract No. 156/1/23	Construction, Supply, Testing and Commissioning of 132/13.8KV Haram III Substation.	<ul style="list-style-type: none"> • 3 lots CTs for 31.5/40MVA, ONAN/ONAF, 110/13.8KV Power Transformer • 1 lot 110KV GIS Switchgears including CBs, VTs, DC/ES, LCCs etc. • 1 lot 13.8KV AIS panels complete set • 2 Nos 500 KVA, 13.8/0.4 KV auxiliary transformer • 2 Nos 13.8KV, 10 MVAR Shunt Capacitor Bank
2007 - 2010	ST - RE-001	5 Nos. of 33/13.8KV Substation.	Design, Engineering, Supply, Erection, Testing and Commissioning of 5 Nos. of 33/13.8KV Substation including Power Transformers, GIS and other equipment for availing SEC Power for the following SWCC Desalination Plants. • Haql Plant • Duba Plant • Ummlaj Plant • Rabigh Plant • Farsan Plant



Projects Under Execution



Client	Name of Sub-station	Description of Work
DMRC	110/33/25KV GIS Substation	Design, Engineering, Procurement, Installation, Testing & Commissioning of 110KV GIS Receiving cum 25KV AC Traction cum 33KV Auxiliary Main Substation at DN Nagar, 2A Line, Mumbai Metro Rail Project.
MSETCL	3 x 167MVA, 400/220KV Lamboti Substation	Works Contracts for Augmentation of substation by providing Additional 3x167 MVA 400/220/33KV ICT along with bay equipments and with supply of 3 x 167MVA, 400/220/33KV ICT with Oil at 400KV Lamboti Substation.
KPTCL/BCDPL	3 x 31.5MVA, 66/11KV GIS Substation	Establishment of 3 x 31.5MVA, 66/11KV GIS Substation with 66KV Underground Cable Work for Bhartiya City Development Pvt. Ltd. Bangalore
OPTCL	2 Nos of 132/33KV GIS Substation	Design, Engineering, Procurement, Installation, Testing & Commissioning of (i) 2 x 63MVA, 132/33KV GIS Substation at Satyanagar, Bhubaneswar (ii) 2 x 63MVA, 132/33KV GIS Substation at Badagada, Bhubaneswar
KPTCL/Embassy	220/66/11KV GIS Substation	Consultancy, Design, Engineering, Consultancy, Survey, Civil, Supply, Erection, Testing & Commissioning of 220/66/11 KV GIS Substation with 220 KV Underground Cable & 66KV Underground Cable Work for Embassy Springs, Bangalore.
CPMB, Vietnam	220KV Hai Chau GIS Substation & 220KV Hao-Khanh-Hai Chau Transmission Line	Design, Manufacture, Procure, Deliver, Guarantee at Construction Site, Construct, Install, Test Complete, take over, and provide defect liability period for facilities / equipments and the materials for the 220KV Hai Chau Substation and 220KV Hoa-Khanh-Hai Chau Transmission Line



Other Projects Executed by Mavin



Client	Project	Brief Description
PGCIL	400KV DC Transmission Line	Diversion/Modification of Existing 400KV Talcher-Meramundali D/C Line, 400KV Rengali-Indravati S/C Line & HVDC Earth Electrode Line due to crossing of proposed New Railway Lines of East Coast Railway
OPTCL	400/220 KV Mendhasal Substation	Design, Engineering, Supply, Erection, Testing & Commissioning of Construction of 1x315MVA, 3rd ICT, 1 no 400kV Dia Bay Extension & 1 no 220 kV Bay Extension for ICT at 400/220KV Substation, Mendhasal and associated system on Turnkey Basis.
MSETCL	220 KV Bhigwan-Walchandnagar line	Work of Supply, erection, testing & commissioning for making LILO on 220KV Bhigwan-Walchandnagar line for 220kV Loni Deokar Substation on EPC contract basis. (Length:18.5 Kms)
BIAL	66/11KV AIS Substation, BIAL, Bangalore	Design, Engineering, Procurement, Supply and Delivery, Construction, Erection, Installation, Setting to Work, Testing, Pre commissioning, Commissioning of 66/11KV secondary substation (SS 3) at Bangalore International Airport, Bangalore
Air Liquide / MSECL	132/11KV AIS Substation, AL, Pune	Design, Engineering, Procurement, Installation, Testing & Commissioning of 132/6.6KV AIS Substation at Air Liquide India Holding Company Ltd., Chakan, Pune.
NTPC	132 KV Transmission Line for NTPC Mouda	Turnkey Contract for Survey, Civil, Supply, Erection, Testing & Commissioning for Rerouting of 132 KV EHV Transmission Line in the MGR area of NTPC Mouda
HAL	132/11 KV HAL Substation	Supply, Erection, Civil, Testing & Commissioning of 2 x 20 MVA, 132/11 KV Substation at HAL, Aircraft Division, Nashik (EPC Basis)



Other Projects Executed by Mavin



Client	Project	Brief Description
MSETCL	220/132/33 KV Barshi Substation, Solapur	Turnkey Contract for Construction of 220 KV & 132 KV Bays including Erection, Testing & Commissioning of 220/132 KV, 200MVA, ICT at 220/132/33 KV Barshi Substation, Solapur Dist.
OPTCL	132/33 kV Substation Bhograi & 132 kV Transmission Line	Design, Engineering, Civil, Supply, Installation, Testing & Commissioning 2x40 MVA, 132/33 KV Grid Sub-station at Bhograi at Balasore District with associated 132 KV LILO line from one circuit of the proposed 132 KV Kucheil (PGCIL) – Jaleswar DC line (Route Length: 28.5 Kms) on EPC contract basis.
MSETCL	400 KV Jejuri Substation, Pune	Turnkey Contract for Supply, Erection, Civil, Testing & Commissioning of 220KV Line Bays at 400 kV Jejuri Substation, Pune
Vidarbha Lift Irrigation Development Corporation	132KV Transmission Line	Design, Supply, Erection, Testing & Commissioning of 132 KV D/C, LILO Tower Line for Mokhabardi Lift Irrigation Schemes. (Turnkey Basis)
Vidarbha Lift Irrigation Development Corporation	132KV Transmission Line	Design, Supply, Erection, Testing & Commissioning of 132 KV D/C, LILO Tower Line for Nerla Lift Irrigation Schemes. (Turnkey Basis)
The India Cements Limited	220 kV DC Transmission Line	Design, Engineering, Survey, Civil, Supply, Erection, Testing & Commissioning of 220 KV LILO on 220 kV DC Parli – Harangul Transmission Line for M/s. The India Cements Limited.
Can-Pack India Pvt. Ltd	132/11 KV AIS S/S Can Pack India Pvt. Ltd. Aurangabad	Design, Engineering, Consultancy, Survey, Civil, Supply, Erection, Testing and Commissioning of 132/11 KV Gas Insulated Substation (GIS) with 132 KV Transmission Line for M/s. Can Pack India Pvt. Ltd. (Can Division), Waluj, Aurangabad. (EPC Basis)



Endorsements



KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
Corporate Identity Number: CIN:U40109KA1999CC025231

Ph No. : 080-22282601/602
Fax No. : 080-22282846
Email ID : ceemwbs@gmail.com

O/o Chief Engineer, Electricity,
Transmission Zone,
KPTCL, A.R. Circle,
Bengaluru - 560 009.

No. CEE/TZB/SEEIO/AR-1/2021/2018061 Dated: 29-01-2022

PERFORMANCE CERTIFICATE

Ref:

1. Corporate Approval Letter No.B19/A331/05-06 dated 10.08.2016.
2. Work Award No. EEK/BMWD/IO/SF-47/2016-17/3658-60 dated 18.11.2016.
3. T.O. Work Encumbrance Letter No. CEE/TZB/SEEIO/AR-1/F-1645/2016-17/10093-95, dtd.29.01.2017.
4. Letter No. Mavin/PMU/3/03/27/2022 dtd.27.01.2022 of M/s. Mavin Switchgear and Control Pvt Ltd.
5. E-mail dtd.29.01.2022 of SEE, TZW/C and EEK, BMWD.

This is to certify that, **M/s. Mavin Switchgear and Control Pvt. Ltd., JP Nagar, Bengaluru with Supergrade License no.SGLOO287890**, was entrusted the work of "Establishing 2x150MVA 220/66/11kV Gas Insulated sub-station at Manyata Tech Park for the purpose of availing power supply to an extent of 210MVA, including the existing sanctioned load of 98MVA in favour of **M/s. Manyata Promoters Pvt. Ltd.**, Manyata Tech park for their high raised apartment and residential/commercial building at Dasarahalli village, K.R.Puram Hobli, Bengaluru on **Self Execution Basis** by **M/s. Manyata Promoters Pvt. Ltd.** vide work award letter cited under ref(2) & (3) with the following details:

1. 2x150MVA, 220/66/11kV Power Transformers with bays at 220/66/11kV Manyata sub-station.
2. 4x21.5MVA, 66/11kV Power Transformers with bays at 220/66/11kV Manyata sub-station.
3. 220kV Double LHO incoming arrangement to 220kV Feeder - Hoody & 220kV Pattanshalli - Hoody Eric (GIS Module).
4. 66kV double LHO incoming arrangement to 66kV DG3 & DG4 line with bays at Manyata sub-station (GIS Module).
5. Control room.
6. 15kV SW - 4/C + 2BC + 26 Feeder.
7. 220kV, 1000sqmm Cables - 570 ckt mts
8. 66kV, 1000sqmm Cable - 514 ckt mts
9. 220kV, 40KA GIS Module - 8 Nos.
10. 66kV, 40KA GIS Module - 14 Nos.
11. Project Cost - Rs.13127.60 Lakhs.
12. **The project is completed and commissioned on 20.05.2019.**

The commissioned equipments are working satisfactorily till date.

This certificate is issued based on the request of M/s. Mavin Switchgear and Control Pvt. Ltd., vide letter cited under ref(4).

Chief Engineer, Electricity, Transmission Zone, Bengaluru.

To, **M/s. Mavin Switchgear and Control Pvt. Ltd., JP Nagar, Bengaluru.**

ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଡ଼.
ODISHA POWER TRANSMISSION CORPORATION LIMITED
(A Government of Odisha Undertaking)
CIN: U40102OR2004SG007533
Regd. Office: Janapath, Bhubanagar, Bhubaneswar- 751022
O/O the CEM (Electrical), Central Zone

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TO WHOMSOEVER IT MAY CONCERN

This is to certify that, **M/s. Mavin Switchgear and Control Pvt. Ltd, Aurangabad**, has been awarded and successfully executed the following projects on Turnkey Contract Basis.

Sr. No.	Name of the Project	Work Order details	Date of completion	Remarks
1	Design, Engineering, Supply, Erection, Testing & Commissioning of 2x40MVA, 500x220kV GIS Bay (Header Bay-02 & Bus Coupler Bay-03), new 1000sqmm 500 Bay Feeder Bay-02, Transformer Bay-04 & Bus Coupler Bay-01, 220/33kV GIS Sub-station at (Project-1), Bhubaneswar.	WO No. SR.GM-CP-Feeder-3kg-20 02/2015-1507-948 472313.1000X 1007	23.12.2016	Completed the project successfully
2 (a)	Design, Engineering, Supply, Erection, Testing & Commissioning of 2x40MVA, 5 nos. of 132kV Bays (Header Bay-02, Transformer Bay-02 & Bus Coupler Bay-03) and 07 nos. of 33kV Bay Feeder Bays-04, Transformer Bay-02 & Bus Coupler Bay-01, 132/33kV GIS Sub-station at (Project-1) on Turnkey Basis.	WO No. SR.GM-CP-Feeder-8kg-2013-1407-948 6665 & 6669	29.03.2022	Completed the project successfully
2 (b)	Design, Engineering, Supply, Erection, Testing & Commissioning of 132kV GIS Transmission Line from one circuit of the proposed 132kV GCPH (PCH) to Talaswar DC Transm. on Line (Approx. length 37.500Kms) on Turnkey Basis.	WO No. SR.GM-CP-Feeder-Bhagal-4kg-kg-22-03-04/2013-6668&6558	19.01.2017	Completed the project successfully
3	Design, Engineering, Supply, Erection, Testing & Commissioning of Construction of 2x150MVA, 3 rd CT, 2x40MVA (CT Bay Extension & 1x200kV Bay Extension) for ICT at 403/220kV Sub station, Mendharaj.	WO No. SR.GM-CP-Feeder-8kg-23 03/2013-3 rd CT Mendharaj-42013-3/315 1756	30/03/2019	Completed the project successfully

Total order value Rs. 81,30,76,522/-

Chief General Manager (R-I) Central Office, O.P.T.C. Bhubaneswar

MAHATRANSCO
MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.
CIN No. U40109MH2005SG15646.

From: **Name of Office: The Chief Engineer, EHV PC O&M Zone, Pune.**
Office Address: Administrative Building, 3rd Floor, Block No.401 & 402, Rasta Path, Pune-411 011.
Contact No: 26066106,26062913,26061132(P), 26066596 (Fax)
Email Id: ce pune@mahatransco.in

Ref No. CE/EHV/PC (O&M) Zone/Pune/Tech No 102921 Dated: 23 JUN 2022

EXPERIENCE CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

Ref:

1. Performance Certificate No.EE/EHV/PC-UPN/TTL-166A/17/3 Dtd. 22.06.2017
2. Request from M/s. Mavin Switchgear & Control Pvt Ltd., Aurangabad vide letter No-0623/2022 Dtd. 23.05.2022

This is to certify that **M/S Mavin Switchgear and Control Pvt. Ltd., Aurangabad** has executed the work of LHO on 770 KV Havgan - Walchandnagar Line for 220 kV Landedat S/S.

The details are as under:

Name of Company	: Mavin Switchgear and Control Pvt. Ltd
Address	: Plot No. 9, N-11 CIDCO, Near Harsaul S/s, Aurangabad - 431003
Scope of Work	: Supply, Erection, Testing & Commissioning for making of LHO on 220kV Havgan - Walchandnagar Line for 220kV Landedat S/S.
Route Length	: 18.383 K.Ms.
Work Order No. & dt.	: CE/EHV/PC(O&M) Zone/Pune/77556 dt: 26.02.2015
Work order Amount	: Rs. 1041.68.012/- (Rupees Ten Crore Forty One Lakh Sixty Nine Thousand Twelve Only)
Date of Commissioned	: 25.05.2017

It is certified that **M/S Mavin Switchgear & Controls Pvt. Ltd, Aurangabad** have carried out the above work and since commissioning till date is working satisfactorily.

The experience certificate for the said project was already issued vide reference (1) above and now, same is again issued as per agency's request vide reference (2) above.

H. L. Galkwad
Chief Engineer
EHV PC O&M Zone Pune

Copy to:
• **M/s. Mavin Switchgear and Control Pvt. Ltd., Plot No-9, N-11, CIDCO, Aurangabad-431003**

Page 1 of 1



Mavin Switchgear and Control Pvt. Ltd.

Endorsements



MAHATRANSCO
MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.
CIN No. 140109MH2005SG153646.

From: Name of Office: The Chief Engineer, EHV PC O&M Zone, Pune.
Office Address: Administrative Building, 3rd Floor, Block No.401 & 402, Rasta Peth, Pune-411 011.
Contact No. 76066186,76062913,76061131(P), 76066596 (Fax)
Email Id: cepune@mahatransco.in

Ref No. CE/EHV/PC/O&M/Zone/Pune/Tecla/ **Nb 1 0 3 0** Date: **23 JUN 2022**

EXPERIENCE CERTIFICATE

TO WHOM SO EVER IT MAY CONCERNED

Ref:

- MS-TCI-CONTR PR-S&C/ORD/clsys/346/3756 date 08.03.2011
- MD-89 dated 09.01.2012
- Email from SL, LHV O&M Ctr, Pune on Thu 24/01/2019, 10:15:45
- This office Certificate No-CE/150 Dtd 24.01.2019
- Request from M/s. Mavin Switchgears & Control Pvt Ltd., Aurangabad vide letter No. 3623/2022 Dtd. 23.06.2022

This is to certify that M/s. Mavin Switchgears and Control Pvt. Ltd., Aurangabad has successfully executed 220/22 kV Gas Insulated Substation (GIS) for M/s. Infosys Ltd., Hinjewadi, Pune on EPC contract basis with entire Design, Engineering, Procurement, Civil, Erect on, Testing & Commissioning with SLADA arrangement remote monitoring system along with ADSS cable & 220 kV Overhead Transmission LIL O line and 220kV XLPE Underground Copper Cable Laying with terminations.

The brief description of the aforesaid project is as follows:

- 220 kV indoor GIS Bay (2 Line/2 Transformer Bus & Section) Metering Bays - 05 Nos
- 20 MVA, 220/22 kV GIS Transformer Bay - 02 Nos
- Supply, Erection, Testing & Commissioning of 20 MVA, 220/22 kV Power TF - 02 Nos
- 22kV indoor Switchgears (2.2C - 1 Bus - 8 O/G) - 01 Set
- Substation Automation with remote monitoring system along with ADSS Cable - 01 Set
- 220 kV Overhead Transmission Line - 32 CRM
- 220 kV XLPE Underground Copper Cable Laying & termination - 1.2 KM

This is to inform that the aforesaid substation was successfully commissioned and energized on 15th June 2013 and till date working satisfactorily.

The experience certificate for the said project was already issued by this office vide reference (4) above and now, same is again issued as per agency's request vide reference (5) above.

H. L. Gulwad
Chief Engineer
EHV PC O&M Zone Pune

Copy to:-
M/s. Mavin Switchgears and Control Pvt. Ltd., Plot No-9, N-11, CIDCO, Aurangabad-431003

Page 1 of 1

इंफॉसिस लिमिटेड
Infosys Ltd
FACILITIES MANAGEMENT DIVISION

HAL
Hindustan Aeronautics Limited

Project No: **PK/CM/WH-8/KO-2590/397/20** Date: **25.01.2023**

M/s. Mavin Switchgears and Control Pvt.Ltd.,
Plot No.9, CIDCO,
Aurangabad - 431 001 (M.S)

Dear Sir,

Sub: Establishment of 220/11kV Substation (GIS) including 11kV distribution network, SCADA and Allied Civil works at HAL, Bangalore.

Contract No: HAL/PW/2/SC-2590/14-15.

It is certified that M/s. Mavin Switchgears and Control Pvt. Ltd. have completed the following contract work physically in all respects and this certificate is issued as their request.

The details of the work are as below:

1. NAME OF THE WORK	: Establishment of 220/11kV Substation (GIS) including 11kV distribution network, SCADA and Allied Civil works at HAL.
2. CONTRACT NO.	: HAL/PW/2/SC-2590/14-15.
3. CONTRACT VALUE	: Rs. 56,59,44,751.00 (including GST)
4. FINAL VALUE INCLUDING DEVIATION	: Rs.48,53,03,036.50 (including GST & Price escalation)
5. DATE OF COMMENCEMENT	: 06.05.2016
6. DATE OF COMPLETION	: 02.12.2017
7. ACTUAL DAYS OF COMPLETION	: 01.07.2023
8. PERFORMANCE GUARANTEE, IF ANY	: Bank Guarantee vide BG No. R02918080000919 & ESB-47-2018 for Rs.5,20,385.00 & TR: No.09279810000919 for Rs.5,20,385.00 Up to 01.07.2023
9. DEFECT LIABILITY PERIOD	: 12 Months
10. QUALITY OF WORK	: Poor/ Satisfactory/ Good/ Very Good
11. OVERALL PERFORMANCE OF CONTRACT	: Good/Very-Good

M. Sai Kirishka
Chief Manager (ELECT)
FACILITIES MANAGEMENT DIVISION.

Endorsement (Date: 08/06/2023, Location: Bangalore, India)
फॉर्मेशन कार्यालय : 15/7, कबुत रोड, बंगलूर - 560 001, भारत
Registered Office : 15/7, Cudbon Road, Bangalore - 560 001, India
जय हिन्द का सर्वोच्च आदर के साथ। GSTIN: 29AAACH5641R2S

TRANSMISSION CORPORATION OF TELANGANA LIMITED

TO WHOM SO EVER IT MAY CONCERN

PERFORMANCE CERTIFICATE

Date: **12/5/2017**

This is to certify that, M/s. Mavin Switchgears and Control Pvt. Ltd., Plot No. N-11, CIDCO, Aurangabad - 431003 has successfully executed the 220/33kV GIS Substation at M/s. Infosys Technologies Ltd., Pocharam, Ranga Reddy District, Telangana on EPC Basis.

Name & Address of EPC Company : M/s. Mavin Switchgears and Control Pvt. Ltd., Plot No. 9, N-11, CIDCO, Aurangabad - 431003

Name of Work : 220/33kV Gas Insulated Substation for M/s. Infosys Technologies Ltd., Pocharam, Ranga Reddy District, Telangana on EPC Contract Basis - Entire Design, Engineering, Construction, Supply, Erection, Testing & Commissioning with Substation Automation System, 220kV Overhead Transmission Line and 220kV Underground Cable Work alongwith ADSS Cable Hardware & Termination.

The brief description of the aforesaid project is as follows:

- 220kV GIS Line Bays - 05 Nos
- 220kV GIS Transformer Bays - 02 Nos
- 220kV GIS Bus Coupler Bays - 02 Nos
- 220kV GIS PT Bays - 02 Nos
- 16MVA, 220/33kV Power Transformers - 02 Nos
- 220kV Outdoor Metering Bay - 01 No
- Substation Automation System - 01 Set
- 220kV Overhead Transmission Lines - 1.5 Kms
- 220kV XLPE UG Cable length with Terminations - 5.23 Kms
- 33kV Indoor Switchgears (2+1+6) - 1 Set

Date of Commissioned : 13.03.2017

As an EPC Company, M/s. Mavin Switchgears and Control Pvt. Ltd., Aurangabad has contributed significantly in completion of project and since the date of commissioning the aforesaid substation is working satisfactory.

M. Sai Kirishka
Chief Engineer (Elect)
Metro Zone TS TRANSCO
GTS Colony, Erragadda, Hyd-45

Copy to,
M/s. Mavin Switchgears and Control Pvt. Ltd.,
Plot No. 9, N-1, CIDCO, Aurangabad - 431003



Mavin Switchgears and Control Pvt. Ltd.

Endorsements





एनटीपीसी लिमिटेड
(एनएलसी का कंसर्न)

NTPC Limited
(A Govt. of India Enterprise)

मौदा / Mouda

10.10.2014.

WORK COMPLETION CERTIFICATE

Name of work: Rerouting of 132KV EHV transmission lines for MGR of Mouda STPP - S,E,TB Commissioning"

LOA No /P.O. No and Date: 5500006465-035-1043 Dated.02.02.2011(Supply), 5500006467-035-1043 Dated.02.02.2011(Erection)

Name and address of agency: M/s Mavin Switchgears and Control Pvt. Ltd. Plot No.9,N-11,CIDCO,Aurangabad-431003 Maharashtra

Date of completion of work: 23.05.2013

Original completion schedule: 07.02.2011 to 06.08.2011.

Actual completion schedule: 07.02.2011 to 23.05.2013.

Defect liability period if any: One year

Details of owner issue material if any: NIL

3Brief comments on the performance: SATISFACTORY.

Ramesh R. Gowda 10/10/2014
(B. S. Vijaya Bhaskar)
Additional General Manager,
Technical services Department.

वीएचपीएल प्रोजेक्ट, एनटीपीसी, मोदा, महाराष्ट्र - 431003 (एनटीपीसी) वीएचपीएल प्रोजेक्ट, एनटीपीसी, मोदा, महाराष्ट्र - 431003 (एनटीपीसी) ईमेल: ntpc.mouda@ntpc.co.in
Mouda Super Thermal Power Project, P.O. Mouda, Dist: Hingwadi-431003 (Maharashtra) Tel: 07115-281943, Fax: 07115-281922, E-mail: ntpc.mouda@ntpc.co.in
वीएचपीएल प्रोजेक्ट, एनटीपीसी, मोदा, महाराष्ट्र - 431003 (एनटीपीसी) ईमेल: ntpc.mouda@ntpc.co.in
वीएचपीएल प्रोजेक्ट, एनटीपीसी, मोदा, महाराष्ट्र - 431003 (एनटीपीसी) ईमेल: ntpc.mouda@ntpc.co.in
Registered Office: NTPC Bhawan, SCOPE Complex, Institutional Area, Gurgaon Road, New Delhi-110003
Corporate Identification Number: LAC1010L1875G0007986, Tel: 011-24387333, Fax: 011-24381018, ईमेल: ntpc@ntpc.co.in, Website: www.ntpc.co.in



Date : 12th Aug 2014

TO WHOMSOEVER IT MAY CONCERN

Infosys Ltd. had entrusted Mavin Switchgears and Control Pvt. Ltd. with a Turnkey EPC Contract for Establishment of 220/22 KV GIS Substation at M/s. Infosys Ltd., Hingewadi, Dist. Pune. The scope of work was from conceptualization to commissioning of the above work.

Name & Address of EPC Company: M/s. Mavin Switchgears and Control Pvt. Ltd. Plot No. 9, N-11, CIDCO, Aurangabad - 431001 (M.S.)

Name of Work: Establishment of 220/22 KV GIS Substation at M/s. Infosys Ltd., Hingewadi, Dist. Pune on EPC basis comprising of Design, Engineering, Consultancy, Procurement, Civil, Erection, Testing & Commissioning with SCADA arrangement, Remote monitoring System along with ADSIS Cable & 220 KV Overhead Transmission Line & 220 KV XLPE Underground Cable Laying with termination.

Order No. & Amount: (1) 1300009485 dtd. 07.01.11 (2) 1300009946 dtd. 23.06.11 (3) 1300013160 dtd. 10.07.12 (4) 1300016766 dtd. 17.07.2013 (5) 1300013804 dtd. 06.09.2012 (6) 1300012145 dtd. 22.03.2012 (7) 1300008785 dtd. 17.02.11 (8) 1300010934 dtd. 31.07.2013 Total Value of Order - Rs. 52,28,85,470/-

Date of Actual Completion / Commissioned: 15th June 2013

The work done by MAVIN as an EPC Company has been appreciated by MSETCL, MSEDCL and Infosys Ltd. There was no cost over-run and we could commission the project as per our schedule. Since, it's commissioning Mavin is operating & maintaining the substation satisfactorily.

We find them very valuable and resourceful partners with expert skill in design and engineering and in depth understanding of Govt. rules and regulation of different states. Based on their performance, Infosys has entrusted similar projects at various Infosys campus viz. Hyderabad, Bhubaneswar, Chandigarh.

We wish them all success.


Best Regards,

Ramesh R. Gowda
Ramesh R. Gowda
Regional Manager - Infrastructure

Copy to:
M/s. Mavin Switchgears and Control Pvt. Ltd.
Plot No. 9, N-11, CIDCO, Aurangabad - 431001

INFOSYS LIMITED
CIN: L26200KA1997PLC018115
44, Infosys Building,
Electronics City, Hosur Road
Bangalore 560 089, India
T: 91 80 2852 0361
F: 91 80 2852 0362
www.infosys.com
www.infosys.com

CAN-PACK INDIA PRIVATE LIMITED
(GLASS BOTTLES BRANCH)
Factory Address: JI-117, MIDC, Wadi, Amangabad, Maharashtra-431136.
Phone: 2430 6655 353, Fax: 0240 6655 400, Website: www.canpack.co.in



To Whomsoever it May Concern
Performance Certificate

This is to inform that Can-Pack India Pvt. Ltd. a wholly owned subsidiary of Can-Pack Group of Punjab, has placed its first order for Extra High Voltage 132 KV Substation and Transmission Line to M/s. Mavin Switchgears and Control Pvt. Ltd. The order was awarded from conceptualization to Commissioning by Mavin Switchgears and Control covering design, engineering, consultancy, construction, procurement, installation, testing, commissioning, operation & maintenance. The order was executed well within the budget and time schedule amidst all the challenges involved in such a large scale project.

Can-Pack India Pvt. Ltd. has executed its second mega project in India. This project had challenges in terms of space and requirement of high quality continuous power supply. Given the constraints, M/s. Mavin Switchgears and Control Pvt. Ltd. has demonstrated and executed the 132 KV Transmission Line and Modern Technology Advanced 132/11 KV GIS Substation at Can-Pack, India division, Amangabad. This project as well was executed from conceptualization to commissioning covering design, engineering, consultancy, construction, procurement, installation, testing, commissioning, operation & maintenance. The Approximate cost of completion of this work was close to Rs. 30 Crore.

The said 132/11 KV GIS Substation was successfully commissioned and energised on 13th October, 2013 and is working satisfactorily till date. MAVIN has maintained O&M of the substation as per standard methods in rates and without any additional financial implications on us.

We find them a very valuable and resourceful partner with expert skill in design, engineering and consultancy and an in-depth understanding of Govt. utility protocols, rules and regulations.

For Can-Pack India Private Limited
(Glass Bottles Branch)

Milind Gajjar
Milind Gajjar
Managing Director

Registered Office: Can-Pack India Private Limited, Plot No. L-18/25 to L-18/28 & L-19, MIDC, Wadi, Amangabad, Maharashtra-431137. Phone: 24306655, 24306656 / Website: www.canpack.co.in



Mavin Switchgears and Control Pvt. Ltd.

Endorsements



हरियाणा राज्य औद्योगिक एवं संरचना विकास निगम लिमिटेड
Haryana State Industrial And Infrastructure Development Corporation Limited

(A State Government Undertaking)

No. H.S.I.I.D.C. 1386
Dated 02-12-13

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mavin Switchgears & Control Private Limited, Aurangabad is a reputed contracting company and has expertise in executing turnkey projects having well qualified and experienced managerial and engineering team; skilled manpower and well equipped I&P. Mavin Switchgears & Control Private Limited, Aurangabad undertakes and executes entire work of survey, Design, Engineering, Supply, Construction, Testing and commissioning of power transmission line and power substations.

We wish them all the best in their future projects.

Thanking you,

Yours faithfully,
For H. State Indl. & Infra. Dev. Corp. Ltd.
Superintending Engineer(E)

Date: 02-12-2013

slide - your partner in progress

REGD. OFFICE : C-13 & 14, Sector-6, Panchkula (Haryana), India
PH. : 0172-509481, Fax : 0172-509474-75

दिल्ली मेट्रो रेल कॉर्पोरेशन लि.
DELHI METRO RAIL CORPORATION LTD.

(भारत सरकार एवं दिल्ली सरकार का एक संयुक्त उपक्रम)
(A JOINT VENTURE OF GOVERNMENT OF INDIA AND GOVT. OF DELHI)

संख्या: DMRC/20/11-186/2023/XXI/VE-4989/2108
दिनांक: 02.09.2023

WORK EXPERIENCE CERTIFICATE

1. Name of Work & Contract No.	Contract: "EE- 91" Design, Detail, Engineering, Supply, Installation, Testing and Commissioning of 110 KV Receiving cum- 25 KV AC Traction cum- 20KV Auxiliary Main Sub-station at two locations- DN Nagar & Charok Dept. (Line 2A) of Mumbai Metro Rail Project.
2. L1/IA No. & Date	L1/IA No. DMRC/20/11-53/2018 dtd. 06.10.2018
3. Name of the Contractor & Address	M/s Mavin Switchgears and Control Pvt. Ltd., Plot No. 09, H-11, CIDCO, Aurangabad-431003.
4. Joint Venture/Consortium along with % share of each member	Single Member
5. Contract Value	Original Contract value ₹ 198,84,58,388.47/- (With Taxes) Revised Contract value ₹ 143,41,81,583.57/- (With Taxes)
6. Scope of work (as on date of issue of certificate is enclosed herewith)	Design, Detail Engineering, Supply, installation, Testing and Commissioning of • SITG of 110KV, 33KV & 20KV GIS • SITG of Traction Transformer, Auxiliary Main Transformer and Dry Type Transformer • SITG of other ancillaries like ACDB, DCDB, M.LDB, Battery Chargers and Electro etc. • Civil works comprising of Control Room Building, Transformers Foundations, Equipment Foundations, 33KV Oil 12.5% Road, Rain Water Harvesting, Boundary Wall etc.
7. Status of work	Date of Commissioning - Charok Dept. RSS - 31-01-2021. DN Nagar RSS - 03-01-2023
8. Liquidate Damages levied for delay (specify amount) if any	None
9. Overall Work Performance	Satisfactory

This certificate is being issued for business development purpose on the request of M/s Mavin Switchgears and Control Private Limited.

(मि.टी. भवन, 13 फायर ब्रिगेड रोड बाराकम्बा रोड, नई दिल्ली-110001)
Metro Bhawan, 13, Fire Brigade Lane, Barakhamba Road, New Delhi-110001

Government of Maharashtra
Water Resources Department
Office of the Superintending Engineer,
Vidarbha Hydro Electric & Lift Irrigation Circle,
Wainganganagar, Ajani, Nagpur - 440003.
Ph. - 0712-2980131/2980132
Email - aeshisingar@gmail.com

No. 2114 /SE/VHE&LICN/Ts-1/Nerla-Mokhabardi/2019
Date - 22/07/2019

This is to certify that, M/s. Mavin Switchgears and Control Pvt. Ltd., Aurangabad has successfully executed Design, Supply, Erection, Testing & Commissioning of 132KV Double Circuit LILO Transmission Line for Nerla & Mokhabardi Lift Irrigation Scheme Project. The details of project is as under.

EPC Company	1. Mavin Switchgears and Control Pvt. Ltd. Plot No. 9, N-11, CIDCO, Aurangabad - 431003 (MH.) INDIA
Work Order No. & Date	1. EE/VHELIDB/Nerla-Mokhabardi/157 dated 01.11.2010
Name of Work	1. Design, Supply, Survey, Excavation, Foundation, Erection, Testing & Commissioning of 132KV Double Circuit LILO Transmission Line for Nerla & Mokhabardi Lift Irrigation Scheme
Length of Transmission Line	1. 132KV LILO Transmission Line for Nerla LIS Project (Bhandara Dist.) - 18.25 Kms 132KV LILO Transmission Line for Mokhabardi LIS Project (Bhandara Dist.) - 22 Kms Total Route Length: 40.25 Kms
Executed Work Order Value	1. Rs. 21.42 Crores
Date of Commissioned	1. For Nerla LIS Project - 05.11.2014 For Mokhabardi LIS Project - 23.06.2018

It is observed that M/s. Mavin Switchgears and Control Pvt. Ltd. has undertaken and executed aforesaid project within very tight frame of heavy rain and other constraints without compromising towards quality and taking care of all MSETCL procedures. However, this difficult work was very systematically executed by taking all safety precaution. Under these adverse circumstances the Mavin has done work satisfactorily, without any kind of loss/accident to the company's property or men at work and well before the schedule time within the outages arranged. Since it's commissioned, till date the above transmission lines are working satisfactorily.

We take this opportunity to acknowledge the best time to time cooperation and technical support extended. We are confident that M/s. Mavin Switchgears and Control Pvt. Ltd., is an excellence EPC Company and are competent to carry out such integrated system.

Superintending Engineer,
Vidarbha Hydro Electric & Lift Irrigation Circle,
Nagpur



Mavin Switchgears and Control Pvt. Ltd.

Endorsements




To
Mavin Switchgears and Control Pvt. Ltd
Plot No. 9, N-11 CIDCO, Aurangabad.

We take pleasure in informing that Mavin Switchgears and Control Pvt. Ltd are our one of our preferred partners in India for implementation range of ABB GIS products.

We find in you reliable partners, who have deep technical understanding & more importantly understanding of utility company's rules and regulations to enable integration of the technology with the full compliances and deliver optimized and customized solutions in the interest of all the stake holders.

We also write to commend efforts of Mr. Inshad Khad (MD Mavin Switchgears and Control Pvt. Ltd) on the GIS for Inshad Substation at Pune, which we have supplied. I am sure that this will give both our companies many reasons to work together on the Indian market, where the power infrastructure business is growing rapidly.

With Best regards,

Zayt Tian
Head of Sales

ABB High Voltage Switchgear (Xiamen) Co., Ltd

Address: Guanghui Building, #8 Chongxin 3rd Road, Taohu Park Industrial Development Zone, Kaoshengshan, Xiamen, Fujian, P.R. China
Tel: (86)852 571032 Fax: (86)852 571031 Post code: 361026



Energy Management

To,
MVA Mavin Switchgear & Control Pvt. Ltd.
Plot No. 9, N-11, CIDCO
Aurangabad-431001

Kind Attention: Mr. Inshad Ahmed Khan
(Managing Director)

Name: Anil Kulkarni
Department: Energy Management - Product Sales
Mobile: 98204 9542
Location: 98204 9542
Fax: 98204 9542
E-mail: anil.kulkarni@siemens.com
Cell: 98204 9542
PIN: 421204

Dear Sir,

We take great pleasure in informing that MAVIN is our preferred partner in India for implementation of SIEMENS Gas Insulated Switchgear (GIS) Products.

We find in MAVIN, a reliable partner, who have good technical understanding of GIS Substations and Utility company's rules and regulations to enable integration of technology to deliver customized solution in the interest of all the stake holders.

We confirm that we have supplied 132 KV GIS for MVA, Capark Ltd through MAVIN who has uncertainties and commissioned the entire substation. Further MAVIN is executing 400 KV GIS Substation for City Project of CPFL, at Aurangabad for which SIEMENS India is supplying 252KV GIS.

We look forward to work together for more projects and wish MAVIN great success.

With Best Regards,

Umesh Behavhar
General Manager Sales
EM 5 Wt CHN Regn West



Siemens Ltd
Energy Management
Mumbai, India
Tel: +91 22 28671981
Fax: +91 22 28671980

Region: India - 101, Park Road, 6th Floor, 10th Cross, 4th Stage, 6th Block, Marathahalli, Bangalore - 560035, India
Tel: +91 80 22 8871981
Fax: +91 80 22 8871980



ALSTOM T&D INDIA
Plot No. 10, Industrial Area Phase I, New Delhi - 110025
Tel: +91 11 26131000
Fax: +91 11 26131001
www.alstom.com

(Manufacturer's a/c for tenders for 225 KV GIS Equipment being offered)

To, 18th Nov 2015
Sr. G.M, CPCL
CPFL, Int. Floor,
Mahatma Jyoti Building,
Gish Power Transmission Corp. Limited
Bhubaneswar, Odisha.

We, ALSTOM T&D India Limited having its registered office at A-10, First Floor, Oldia Industrial Area Phase I, New Delhi - 110025 who are established and equal member cum 225KV GIS being supplied at 142, Vaidhath-Vaidhath Road, Sakunagiri, Patancheru, Narechuram District 508134 do hereby permit M/s. Mavin Switchgears & Control Pvt. Ltd., Aurangabad to offer our equipment for tender against Ref No. CPC-23-A/2015-16 & Tender Specification No. Sr. G.M- CPC-TENDER-PACKAGE-21-A/2015-16

In the event where captioned tender is awarded to the tenderer and an order is placed in its accordance with the offer, we hereby undertake that 225KV GIS (2S) and/or 225KV GIS (3S) will meet the relevant technical specifications of Sr. G.M- CPC-TENDER-PACKAGE-21-A/2015-16 including execution of erection, testing and Commissioning of the offered equipment in site which will be carried out under our supervision. We hereby undertake that the necessary spares for GIS shall be available for the period of 10 years from the date of commissioning of substation.


(Signature of Authorizing Approver)
Anand Kumar
Designation: Sr. Managing Director - CH
Corporate Secy. of T&D Group

WITNESS SIGNATURE WITH ADDRESS
1. Sr. Managing Director - CH
2. Sr. Managing Director - CH
ALSTOM T&D INDIA LTD
Parsipati - 501301


ATTESTED BY ME
S.G.H. QUADRI
Advocate & Notary
Govt. of India
Regd. No. 8866/05



Crompton Greaves Limited
Western Region,
Kapur Marg (East), Marolli 402 502, India,
T: +91 22 5751 9071 F: +91 22 2597 8198



Ref: W/RPS-041215 Date: 4th December 2015

To,
The Sr. General Manager
Ordnance Factory
Ambajhari, Nagpur (India)

Subject : Authorization of M/s. Mavin Switchgears and Control Pvt. Ltd., Aurangabad as Channel Partner for the Work of 132/11KV Substation with 3x20 MVA Power Transformer near Bastion No.8 of OFAJ on Tern Key Basis - 1 No. (3332/CAP/NC-09/2012-13/TE/2015 - 16/14/EO)

Tender No : NG-06/2012-13/TE/2015-16/14
Tender ID : 127PMETT1500232

Dear Sir,

We Crompton Greaves Ltd who our reputed manufacturer of Switchgears and Power Transformers, having our registered office at CG House 6th Floor, Dr. Annie Besant Road, Worli Mumbai - 400030 do hereby authorize M/s. Mavin Switchgears and Control Pvt. Ltd., Aurangabad to submit the offer for subject tender with our products.

We will provide all Technical Support in terms of Design, Engineering Supply and Supervision of Erection Testing & Commissioning to them in respect of our products offered for the tender.

We shall also provide warranty for our products for a period of 12 months from date of commissioning or 18 months from date of supply whichever is earlier. The products are warranted against manufacturing defect/repair workmanship subject to storing, proper handling, erection & testing is followed strictly as per our operation manual.

We look forward to work together for more projects and wish MAVIN great success.

With best regards,

Vinod Sarkar
Asst. General Manager-Power System
CGL-WR Mumbai.



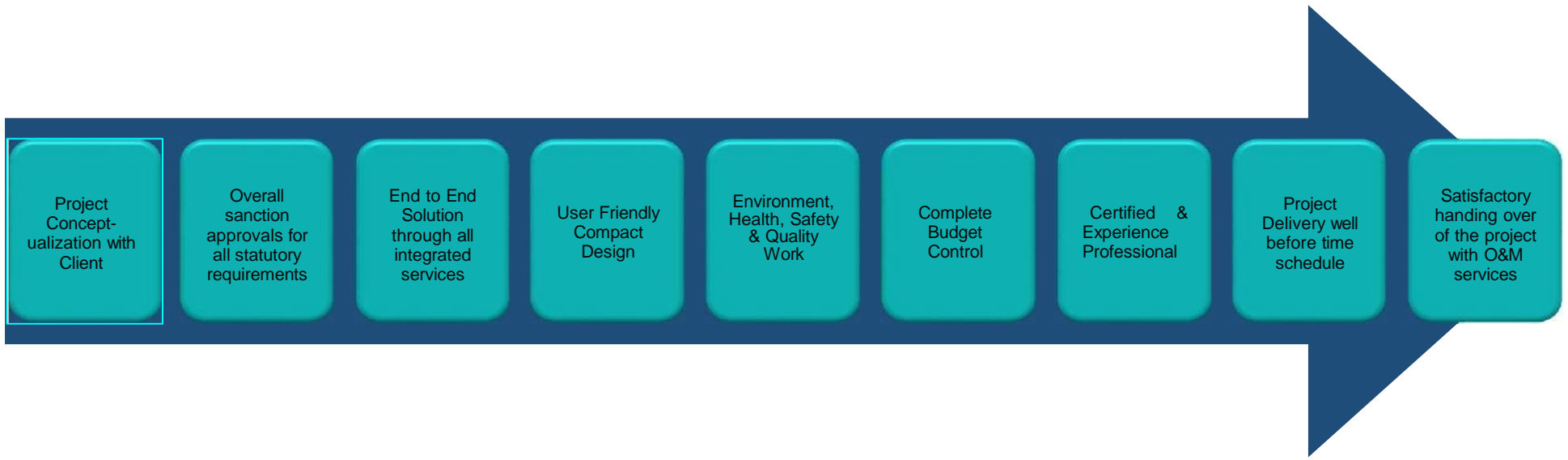
Registered Office
CG House, 6th Floor, Dr. Annie Besant Road, Worli, Mumbai - 400030, India
T: +91 22 2421 3777 F: +91 22 2421 7728 W: www.crompton.com





Mavin Switchgears and Control Pvt. Ltd.

What we offer to our client?



Why Mavin?



- 39 years of rich global experience as an EPC company
- A pool of highly certified and experienced professionals who are constantly committed to delivering projects ahead of time.
- Empowering new technologies, advancement and usage of different Government plans with investors
- We understand the existing power infrastructure and has analysed a detailed power roadmap for next 5 to 10 years thus comprise a detailed study of power requirement and implementation of its future required infrastructure needed for corporate consumers and power utilities
- Holistic Approach towards project completion taking care of Govt. Utilities requirements, Power sanction, Statutory compliance as per Govt. Rules & Regulations, active presence to resolve ROW, Proficiency on Govt. Inter Departmental Approvals
- Experience of executing more than 2000+KM of transmission lines / UG cable works and 350+ substations that includes 48+ GIS substation upto 400KV.
- Mavin has developed unmatched strength and leadership to execute projects from concept to commissioning including all activities viz; consulting, design, engineering, procurement, construction, commissioning, operation and maintenance
- Ability to create compact substations, optimizing through customized design & engineering solutions
- Known to complete all the projects within time schedule, control budgets & satisfactory handover
- Trust & Reliability



Mavin Success story so far

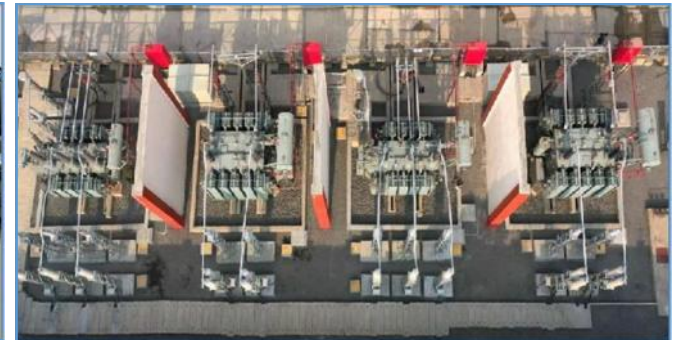


- Since its humble establishment in 1984, Mavin has grown in to a recognize name as an EPC player with major Govt. Utility companies, EHV Consumers, Metro Projects, Airport / Port Projects, Smart City Projects, Water Management / Lift Irrigation, Data Centres / IT Business Park, Industrial Infrastructure Projects, Power Evacuation Projects, Renewable Energy Projects, etc.
- From an order size of INR 18,000 in 1984, we are proud to be trusted single order size of INR 138cr and in JV an order of INR 170cr with even larger order size in the pipe line.
- With successful execution of 350+ projects, today Mavin at present has the depth of technical and management expertise to execute 500cr worth of projects annually.
- With our current skill-set, experience and strong market presence, many PEs and investors are viewing to be our partners.
- We are proud to be the preferred power partners across many corporate companies such as Infosys, Embassy, CanPack, Air Liquide, India Cement, etc. and Govt. institutes such as HAL, BIAL, DMRC, IISc, etc., for whom we have executed comprehensive end-to-end GIS/AIS substation projects. We are also a qualified EPC Solution provider to the National Power Utilities viz NTPC, PGCIL and other State Utilities viz MSETCL, OPTCL, TSTRANSCO, KPTCL, HVPNL, etc.
- In Mavin most of our employees are working since the beginning of their careers & have been trained to understand needs of customers, groomed to adopt Govt. utility acts & norms, integrate the OEMs holistically and designs to bring over-all redundancy in the system, enabled us to deliver state of art solutions and complete the projects with total client satisfaction, appreciation & loyalty.



Metro Project – 110/33/27.5KV GIS RSS

DMRC Project at Charkop Depot, Mumbai



Mavin Switchgears and Control Pvt. Ltd.

220/66/11 KV GIS KPTCL/MEBP S/s, Bangalore

First 220 KV GIS Mega Project for Private Consumer in State of Karnataka



Mavin Switchgears and Control Pvt. Ltd.

220/33 KV GIS TSTRANSCO Infosys Hyderabad S/s

First 220 KV GIS Mega Project for Private/ORC Consumer in State of Telangana



Mavin Switchgears and Control Pvt. Ltd.

220/33 KV GIS OPTCL Infocity II Bhubaneswar S/s

First 220 KV GIS Mega Project for Odisha State Power Utility (OPTCL)



Mavin Switchgears and Control Pvt. Ltd.

220/11 KV HAL GIS Substation, Bangalore



Mavin Switchgears and Control Pvt. Ltd.

220/22 KV GIS MSETCL Hinjewadi Infosys Substation

First 220 KV GIS Mega Project for Private/ORC Consumer in State of Maharashtra



Mavin Switchgears and Control Pvt. Ltd.

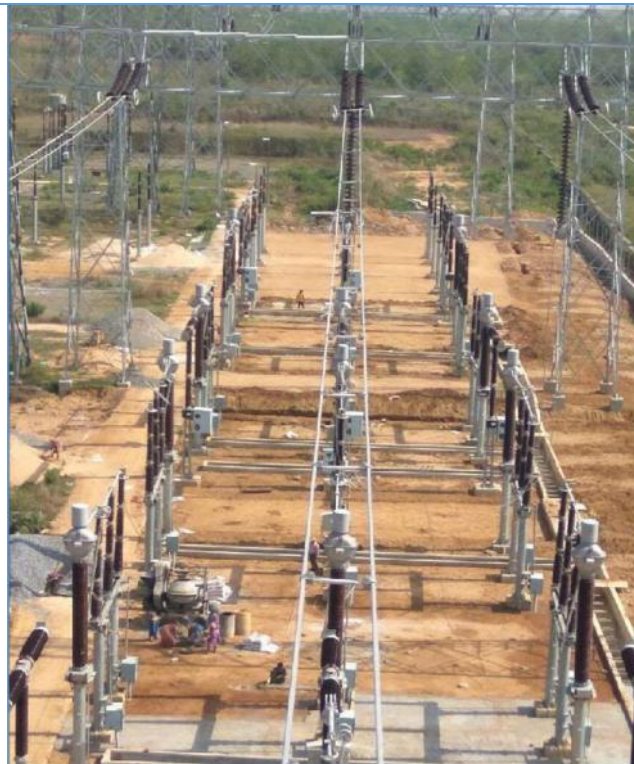
132/11 KV GIS MSETCL Waluj Can Pack Substation

First 132 KV GIS Mega Project for Private/ORC Consumer in State of Maharashtra



Mavin Switchgears and Control Pvt. Ltd.

315MVA, 400/220 KV ICT Bay at 400/220 KV OPTCL Mendhasal Substation



Mavin Switchgears and Control Pvt. Ltd.

Project Under Execution

DMRC Project – 110/33/25KV GIS Substation at DN Nagar, Mumbai



Mavin Switchgears and Control Pvt. Ltd.

Various Solar Projects Executed

Maharashtra, Karnataka, Telangana State



Mavin Switchgears and Control Pvt. Ltd.

EV Charging Stations



Bharat Charger DC001: 30KW DC Charger (Dual output GB/T)

Compatible Vehicles are Mahindra e-Verito, Mahindra e2o /e2o Plus, Tata Tigor Electric



- Dual Output – 15kW each
- Output Voltage – 40–85VDC
- Connectivity through Ethernet, 3G
- User authentication through OTP/RFID
- Based on Bharat EV Charging protocol

Mahindra e-Verito

Mahindra e2o/e2o Plus

Tata Tigor electric

DC wall Box Charger: 25KW DC Charger (CCS-2/CHAdeMO)

Compatible Vehicles (CCS-2): Mahindra e-Verito, Hyundai Kona, Nissan Leaf, Maruti WagonR, MG Zs EV, Mercedes-Benz EQC, Jaguar I Pace, TATA Nexon EV, Audi e-tron.

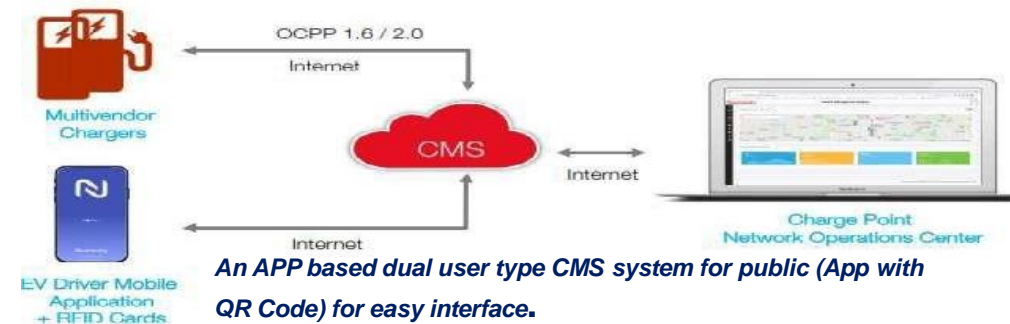


- Dual Output – 25kW
- CCS Type 2 – 200–500VDC
- CHAdeMO – 50–500VDC
- Connectivity through Ethernet, 2G/3G/4G
- User authentication through RFID

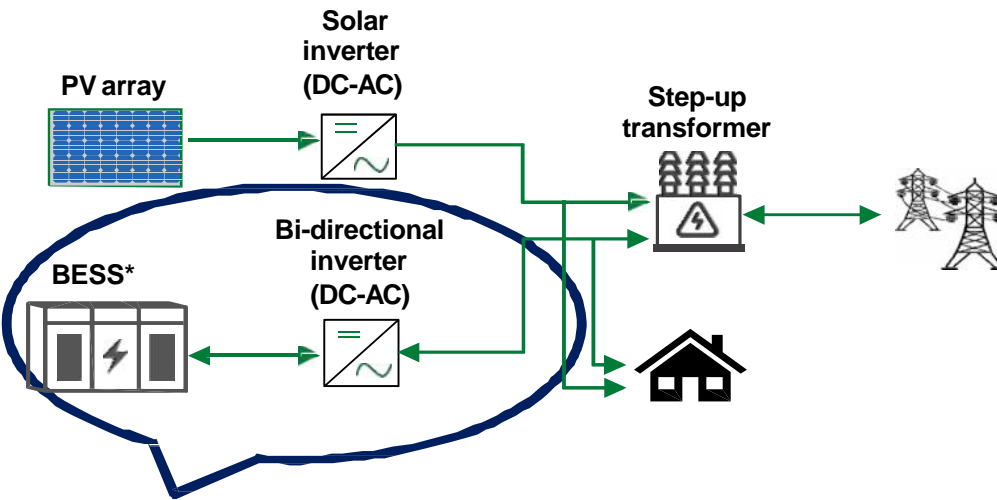
Makes/OEMs:-

- | | |
|------------|----------|
| 1. Delta | 2. Fimer |
| 3. Exicom. | 4. ABB |

EV-Charger Management System:



Battery Energy Storage System



3.5MWh of BESS is under Execution, which consists of Narada Make Batteries, Fimer Make PCS, Schneider Make EMS, which is going to complete/commissioning by 15th of Feb 2022.

Parameters	Description
Application	Energy Shifting
PV plant details	3MWp PV plant
ESS Plant capacity	3MW/3.5MWh at < 1.25C
When to charge BESS	Excess Power generated during daytime shall be stored in the BESS
When to stop charging BESS	When generation is meeting the Load Demand or No Solar power generation period
What is the charging source	BESS must be charged only from PV.
Where to discharge BESS	To the Load (No export allowed to Grid)
When to discharge BESS	Discharged during peak demand and after solar generation hours
Charge/Discharge cycles.	1 cycle per day

Components for BESS with Makes/OEMs:-

1. Li-Ion Batteries – Kore Power/ Narada
2. PCS (Bi-directional Inverters) – Fimer/Delta/Sungrow
3. EMS (Energy Management System) - Schneider/Trinity



Our Clients



Our Vendors





Mavin Group of Companies

- Mavin Infra Pvt. Ltd. (MIPL)
- Mavin Switchgears and Control Pvt. Ltd. (MSCPL)
- Mavin Engineering Services (MES)
- Power & Energy Technologies Pvt. Ltd. (PETPL)
- Advance Technology & Research Institute (ATRI)

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