

Press Release:

AEML Commissions 220kV, 125MVA capacity eco-friendly Ester Oil Power Transformer at Borivali

Editor's Synopsis

- **First Synthetic Ester oil filled, 220kV Power transformer installed in India having 125MVA load capacity.**
- **This Synthetic Ester Oil filled transformer has enhanced fire safety, environment friendly due to its better biodegradability and has better performance capacity at higher temperature.**
- **This will strengthen T&D Infrastructure and will meet future load growth in Borivali and surrounding area.**

Mumbai, April 19, 2021: Adani Electricity Mumbai Limited (AEML) an integrated power utility, recently commissioned India's first Synthetic Ester Oil filled 220kV, 125MVA capacity power transformer in its Mumbai Transmission network at 220kV Borivali EHV substation. Unlike conventional mineral oil filled Transformer, Synthetic Ester Oil transformer has higher fire point (>300 deg.C), low heat of combustion (30.8 MJ/kg). Moreover, it offers enhanced fire safety, better performance at higher temperature and prolonged life of Insulation paper (hence transformer). Further, its oil has better biodegradability which is an environment friendly. Considering this, Ester Oil Transformer is best suitable for city like installation. Along with that it has another additional feature such as Resin Impregnated Paper (RIP) bushings, Vacuum OLTC (On Load Tap Changer) which improves reliability significantly.

This augmentation of Transformation capacity at Borivali EHV substation, will strengthen Transmission & Distribution (T&D) infrastructure, to meet incremental load growth in and around Borivali area, maintain reliable/quality power supply and availability of transmission system at desired level. AEML commissioned this in record time of 15 days by taking all required safety measures in current pandemic situation.

Adani Electricity Mumbai Ltd is an integrated Power utility, having presence in Generation, Transmission and Distribution verticals in Mumbai Power system. Its Transmission Division operates eight 220kV Extra High Voltage (EHV) Substations with an aggregate transformation capacity of 3,250 MVA and

approximately 572 ckt. kms of 220kV lines. Five out of these eight EHV Substations are new technology vertically designed, compact Gas Insulated Switchgear (GIS) based EHV Substations.

The Company always strives to adopt best practices, along with efforts to keep the high standards of maintaining network system availability. For fiscal year ended 31st March 2021, the Company registered 99.87% system availability, which is above the norms set by the Hon. Maharashtra Electricity Regulatory Commission (MERC).

Speaking on the occasion AEML's spokesman said, "The Installation of Ester oil-based Transformer once again underlines AEML's commitment for greener future of the city. AEML is already committed to supply 30% of total electricity in its licence area through renewable resources."

This Synthetic Ester Oil filled 220kV, 125MVA capacity power transformer is supplied by M/s Siemens Ltd, Kalwa unit and is commissioned in record time of 15 days from delivery of transformer on site by taking all required safety measures in current pandemic situation.

About Adani Electricity Mumbai Limited

Adani Electricity Mumbai Limited, part of the diversified Adani Group, is an integrated business of power generation, transmission, and retail electricity distribution. AEML owns and operates the largest and the most efficient power distribution network in India. AEML serves over 3 million customers spread across 400 sq. km. in Mumbai and its suburbs meeting close to 2,000 MW of power demand with 99.99% reliability, which is among the highest in the country. AEML provides excellent customer care services with the help of advanced technologies. **For more information, please visit www.adanielectricity.com**



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