

INITIATIVES TOWARDS SUSTAINABILITY



SUSTAINABLE ENVIRONMENT

Berger Paints has a robust environmental policy. We are committed to continually improve environmental performance through initiatives taken across our manufacturing units, offices, depots and warehouses with defined Environment Monitoring Plan (EMP).

- All activities are done with aspect/impact studies of the process
- Risk and hazard studies are carried out before implementation of any project
- Periodic reviews with management ensure rapid and effective deployment
- Continuous efforts are on to minimize the waste and moving towards green energy
- Continuous focus on optimization of resource utilization through recycling & reuse
- Environmental Management System (EMS) has been implemented which has helped in better monitoring and management of electrical consumption in different production centres



Lead content for decorative paints manufactured is periodically checked and kept within permissible limits. Many products have been developed with zero heavy-metal content (such as lead, mercury and chromium).



Environmental initiatives taken at our plants



Plantation activities and maintenance of green belt are carried out at factories. Invasive species are removed and native trees are promoted.

At our Jejuri unit, total of 2700 plants have been planted by the team. Removed invasive tree species, which had a negative impact on native trees and planted native species. Development of garden within the plant, leading to natural beautification of the landscape. Planted medicinal species including Jambul, Embilica, etc.



We carry out plantation activities inside as well as outside of the plant along with spreading awareness on environment protection amongst our employees and locations near our factories/depot premises.

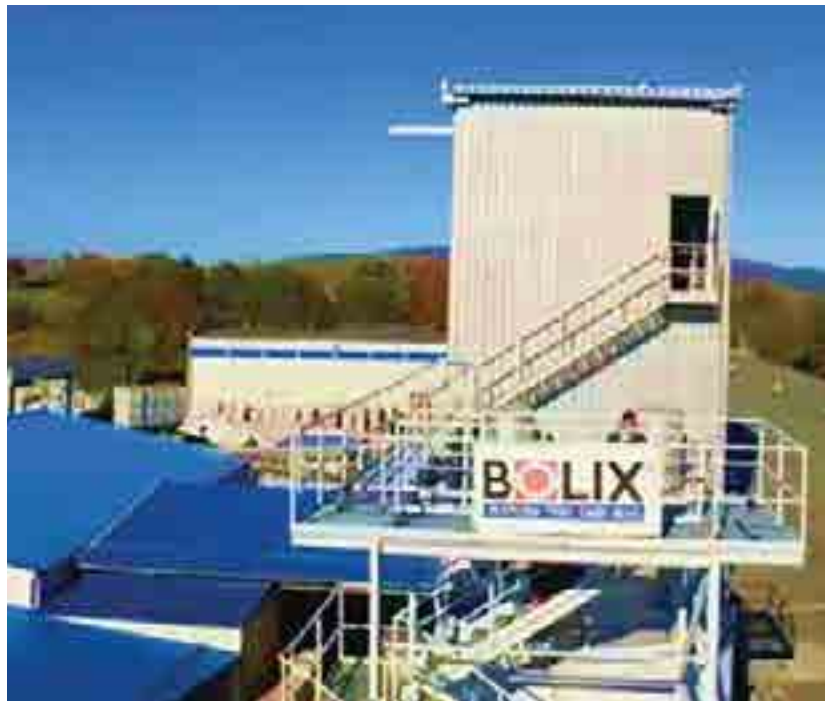
ENERGY CONSERVATION

External Thermal Insulation Composite Systems (ETICS)

One of the key environmental issues is carbon emission. The sources of carbon emission are mainly 28% from electricity & heat generation and 12% from commercial & residential sector due to running of air conditioners. Coal and oil get consumed in generating electricity, increasing carbon emission and inflating India's import bill.

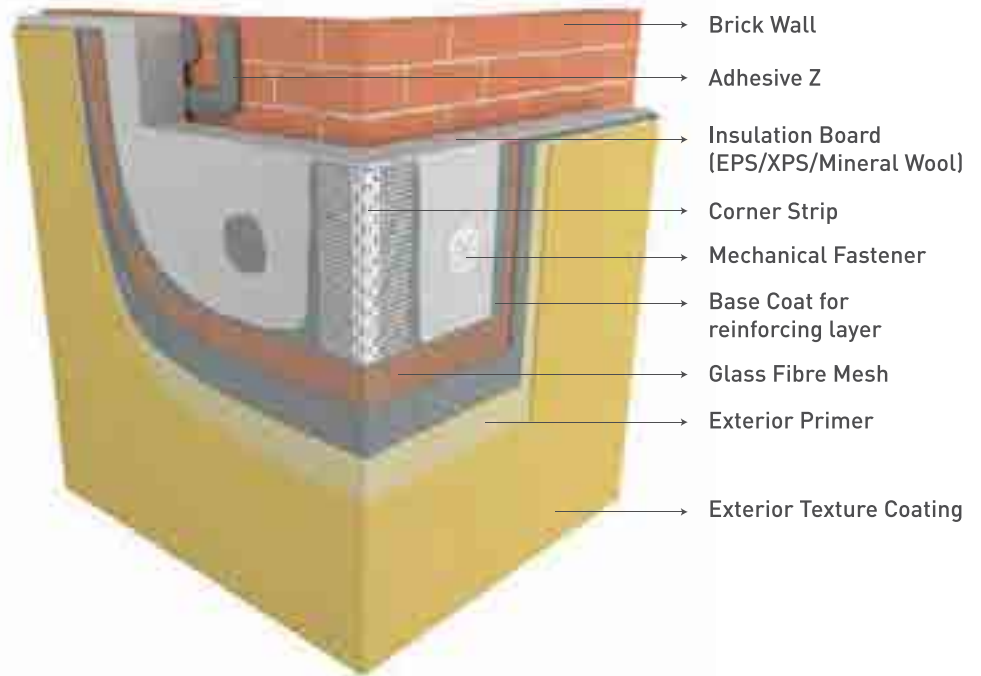
India has presented targets through its declared INDC (Intended Nationally Determined Contribution) ahead of the COP 21 (Conference of Parties 21) at Paris in November 2015. The commitment made was to cut the emission intensity by 33 – 35% by 2030 from 2005 levels and increasing the share of non-fossil fuel energy in its electricity mix to 40%.

Keeping this in mind, **External Thermal Insulation Composite Systems (ETICS)** based on technology from our Group company **Bolix, Poland** has been introduced in India.



Environment Product Declaration (EPD) with Product Life Cycle Analysis has been successfully done for ETICS and it has been published into the International EPD® System database.

TYPICAL CROSS SECTION



Nand Ghar School project, Jaipur

The thermal protection of both existing and new buildings can be effectively achieved by using the thermal insulation externally. When talking about external wall insulation systems and the linked top-coat renders, we refer to them as ETICS or EIFS (Exterior Insulation Finishing System).

ETICS conforms to a set of globally acknowledged standards which consider the procedures and installation techniques related with the systems. These standards were historically established in Europe but have since blown out to all the parts of the globe.

Addition of the system to the external wall of a structure can make a major difference to reduce the amount of energy needed for cooling/heating of about 30-35%. Considering the focus on energy savings ETICS can be classified as one of the best and economical solution for heat insulation, reducing Heat Island Effect and most sustainable solution for the environment.

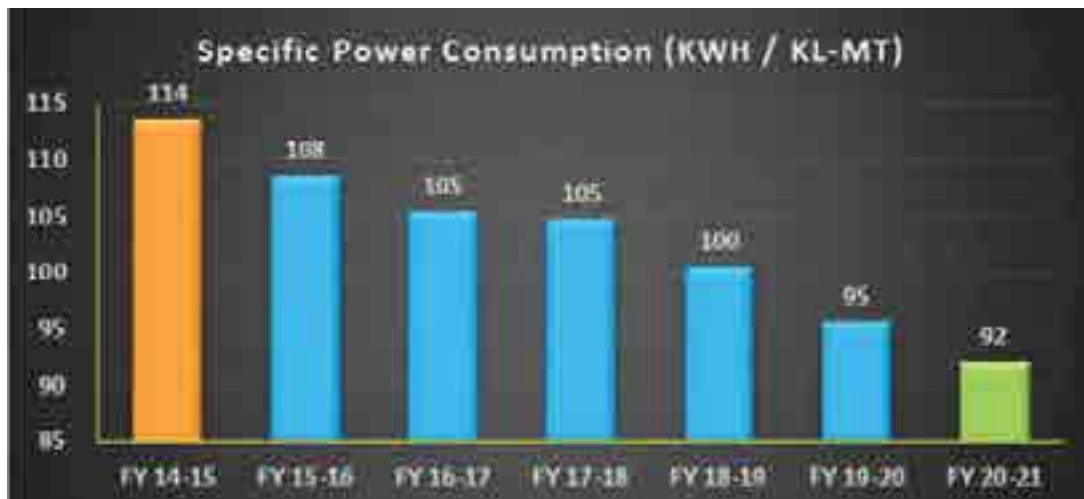
Other Energy Conservation Initiatives Taken

- Energy efficient LED lights for indoor & outdoor lighting have been installed in all the plants
- Automatic operation (switching on/off) of equipment
- Photo sensors & timers
- Dust Extraction system
- Biofuel based heaters helps in reduction of carbon emission from diesel
- Roof Top Solar Power Plants

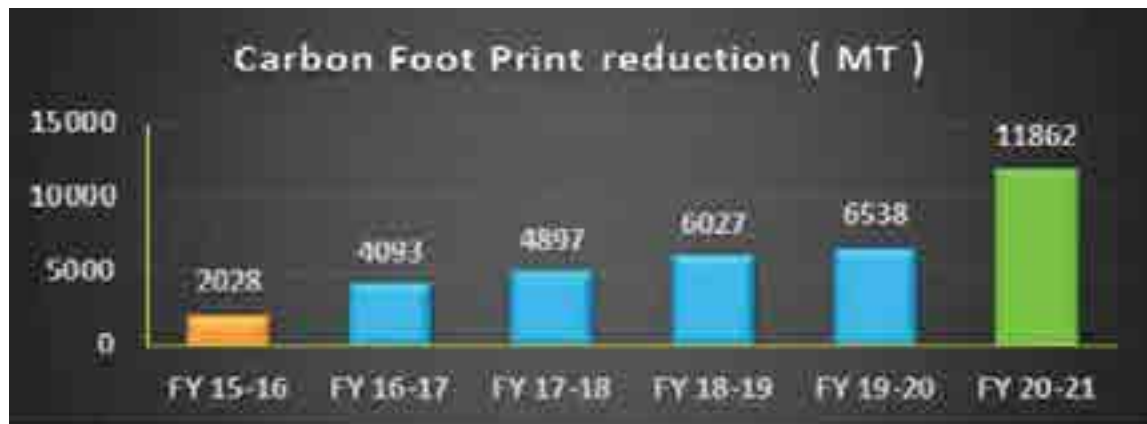


Power consumption & Carbon Footprint reduction

In FY 20-21, Solar Power Plant projects have reduced 1362 MT of Carbon footprint with a savings potential from these Solar Plants of approx. 2600 MT per year.



With all the energy savings measures adopted so far, we have saved around 11800 MT of Carbon footprint in FY 20-21.



WATER MANAGEMENT



Some of the initiatives taken

- Regular inspection of pipelines and taps to identify water leakages.
- Rainwater collection and conservation facility across all manufacturing units.
- Reuse of water.
- Rainwater harvesting.
- Automatic level control system for reducing water wastage and use of effluent treated water in cooling towers is done.
- Use of effluent treated water in cooling towers.
- Treatment and reuse of domestic waste water.
- Ground water recharging pit.
- All waste water is treated & recycled.

SAFETY AND WELLNESS

Excellence in EHS is targeted with No Major Fire, No Major Accident and 100 % compliance in Water, Air and Environment monitoring. Hazard and Operating Study / Risk Assessment is an integral part of any new Project / Activity. We have introduced safety tree board to track and display accident-free days and installed best protection measures, practices and robust engineering control.



Resin Manufacturing setup with modernised safety systems commissioned at Jejuri



Automatic Spark Arrestor for vehicles at factories



Automatic Foam Sprinkles System installed with QBD & IR3 detection



Earth Rite Relay System automation for solvent unloading

Aspiration type fire detectors with centralized sampling, smoke detection and air flow sensor assembly at Corporate Office



Proactive management for health safety is ensured with continuous monitoring, SMS/call intimation & Cloud based safety management in connection with detection system installed in all plants, depots, warehouses and offices. Incident management and reporting is stressed to prevent further incidents. Near miss reporting has been made stringent for promoting a safety culture in the organization. Regular audit for confirming health of fire hydrant system & fire extinguishers. Testing and inspection of Lifting equipment, air receivers, safety valves, process vessel, boiler inspection and others as per yearly calendar.



At our units, safe-unsafe acts conversations are held and recorded for promoting safety culture. Hierarchy of controls like Engineering Controls, Administrative Controls and PPE of control systems have been implemented for all unsafe act and conditions.

For fire-fighting arrangement, premises security, compliance management and emergency preparedness, latest automations and error proofing measures with safety awareness and training programmes have been implemented at our manufacturing locations, depots and offices.



AWARDS & RECOGNITIONS



Berger Paints India Limited was recognised as Fastest Growing Paint Company in the 18th Construction World Annual Awards in 2020



Naltali unit has won the ICC Environment Excellence Award 2020



The Economic Times Iconic Brands of India 2021

VVN PLANT WON THE 10TH EXCEED ENVIRONMENT AWARD 2021 UNDER ENVIRONMENT PROTECTION CATEGORY IN MANUFACTURING SECTOR - PLATINUM CATEGORY



VVN plant won the CII Environmental Best Practice award in 2020



Honda Best Supplier Performance Award



Rishra plant has received Certificate of Appreciation at 33rd CII Quality Circle Convention



Goa Plant got 2nd position in National Maintenance Circle competition organized by CII in 2021



VVN plant received the Manufacturing Supply Chain Award organised by FSC in 2020



Jammu plant has received ICC Special Jury Recognition Environmental Excellence award in 2020



Howrah unit has scored 4.25 rating in the Large Scale category Energy Conservation by ENCON awards in 2020



Howrah unit has been awarded with **Jury Appreciation Award** - "Prevention Strategy for COVID-19 at Workplace- Best Workplace practice" by ICC in 2020



Rishra Plant scored 4.5 rating in the Large Scale category Energy Conservation ENCON in 2020



VVN Plant received 20th Annual Greentech Environment award in 2020



VVN Plant won the Apex India Occupational Health & Safety Award 2020



Goa Plant received the Silver award from SOPEP (Society of Power & Energy Professionals) in 2020



Naltali unit received the ICC OHS Gold Award for Manufacturing and Engineering sector - Paints & Allied in Large Enterprise Category in 2020



GREENPRO certification from CII on ETICS



VVN plant won the ICC Silver Award 2020 in field of Occupational Health and Safety



VVN plant received the APEX INDIA Gold Award for Occupational Health & Safety Award 2020



VVN Plant got Bronze award from SOPEP (Society of Power & Energy Professionals) in 2021