



TIL Limited, has been carrying out value added improvisations in its 300 tph track mounted and 200 & 300 tph portable plants for making them adaptable to Indian operating conditions. The plants are manufactured under technical collaboration of Astec of US at its new plant in Kharagpur near Kolkata.



Mr. Pinaki Niyogy, VP – Manufacturing & Engineering, TIL, says, “For making the plants attuned to Indian operating conditions along with making them deliver commensurate improvements in performance, we have incorporated dust suppression features in the track

plants. In US, the plants usually come with an option of water sprinklers which dually prevents environmental pollution and choking of the engines. However, in many sites in India, there is paucity of water, taking cognizance to protect the engine filter from being choked, we have provided an option of bag house filter adjacent to the engine chambers which while filtering the dust away, intakes air insulating suspended particulate materials. This enables the engine delivering higher performance to the track units. We have also added hoods over crusher output conveyors for suppression of dust. For higher availability of the machines, we have added metal detector in the cone feeder to detect the tramp iron materials.”

He further adds, “Higher production rates and longer service life in our jaw FT 2650 crushers are facilitated with bigger 26x50 inch opening, to accommodate larger boulder sizes with minimal blockages. While our FT 300 DF cone crushers delivers quality output with higher cubical content by crushing hard &

abrasive rocks. Our Programme Logic Control (PLC) features enable higher plant integration and optimization.”

Mr. Niyogy mentions, “One of the unique features of our three stage track plants is its fuel efficiency, supported by CAT C13 electronic engine. The small engine also delivers higher power to weight ratio and required power and torque as compared to competitors offering of a bigger 15 liters engines for same 300 tph plants.”

“Our portable plants feature ease of assembly and transportation. This is based on the modular design of the conveyors which can be transported at ease on standard trailers. Modular design of the conveyors also enables quick set up for higher stockpiles,” informs Mr. Niyogy.

The crushing plants are supported by TIL’s parts depot in Kolkata and Sahibabad near Delhi. TIL has been undertaking manufacturing of the track and portable plants, following the collaboration agreements with Astec. The track jaw crusher FT2650 are made under the collaboration of KPI, track cone crusher FT 300 DF is