

Brief Details of the Components Required in the Infrastructure Corridor

There are multiple components proposed in the Infrastructure Corridor:

1. **Fence:** A 3.2 m high chain link fencing has been proposed along the proposed corridor. The fencing will serve the purpose to prevent unauthorized people to enter into forest land. Also, it will provide safety to fauna by preventing and entering into the corridor.
2. **Gas line:** An overhead gas pipeline having 500mm diameter (to be laid on the 7.0 meter high trusses) is proposed in the said corridor to transfer mixed gas with flow rate of approx. 2200 Nm³/hr. The Calorific Value of the mixture of gas is estimated to be 1800 kcal/Nm³. The mixture of the gas will be utilized to generate steam for pickling/preheating for various processes to manufacture the "LRPC" Wires.
3. **Green Corridor:** The green corridor will be used to carry out plantation work. Native, long rotation indigenous trees will be used to arrest the dust, soil erosion and the corridor will serve as a green belt.
4. **Drain:** 1.5 m wide underground open concrete drain is planned along the entire stretch of corridor. Total two number of such drains are proposed on outer sides of the carriage way.
5. **Carriage Way:** Two 7.0 m wide Concrete road (Carriage Ways) including 1m wide shoulders are proposed to accommodate movement of heavy and light vehicles in the corridor.
6. **Median:** 1 m wide masonry median/divider with 12 m high mild steel poles/street light for proper illumination of entire corridor at dark hours. These poles have been proposed to be erected at an interval of approx. 40 m.
7. **OFC/Tele Cables Line:** The real time monitoring and controlling of manufacturing processes to sync with the availability of finished goods at JSW will be done using proper communication system. Optical fibre, Telephone cables, Internet connection cables, Television cables, cable television signals, OFC Cables and other required cables are proposed to be laid underground in 15 m corridor.
8. **Water Pipe Line:** A 100mm dia. Underground water pipe line of mild steel with 50m³/hr flow rate is planned to be laid adjacent to OFC Tele Cables & drain.
9. **33 KV High Tension Line-** An overhead 33 kV High Tension line is proposed to be laid on suitable poles. The specifications are mentioned in the cross section provided. Total 75 numbers of such poles are proposed to be erected at the central axis of the said 15 m facility as per the prevailing guidelines of forest dept.

For JSW Steel Limited

Authorised Signatory

