

Sea link to consume 1,000 KW a day

Enough to meet electricity requirements of 100 households

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The engineering marvel Bandra-Worli sea link, which opens on June 30, is likely to consume 1,000 KW power a day, enough to meet the electricity requirement of 100 households.

"We have installed a transmitter which has 1,000 KVA capacity. This has been placed keeping the demand in mind," Bajaj Electrical's Head (Engineering Project), Mr Lalit Mehta, told PTI here.

KVA is a measure of demand load, while KWH is a measure of usage.

India's per-capita consumption is 750 KWH or 750 units, while the world average is 1,000 KWH a year.

A 40W tube can consume 1

KWH power in 250 hours.

ILLUMINATION JOB

Bajaj Electricals has got the Rs 9-crore illumination job of the 5.6-km long bridge, which is going to be a tourist spot in the city.

Power for illuminating the bridge would be supplied by the Brihanmumbai Electric Supply and Transport (BEST) and Reliance Power.

The bridge will house diesel generator sets and auto mains failure panels to cater to critical load and communication equipment emergency services.

"Special emphasis has been given to incorporate lighting protection at bridge tower and control room building to protect those buildings, the sophisticated monitoring and

communication equipment installed therein," a Hindustan Construction Company official said.

POLES APART

HCC is building the bridge, commissioned by the Maharashtra State Roadways Development Corporation (MSRDC) and the Maharashtra Government.

Mr Mehta said that a total of 225 Glass Reinforced Polyester poles have been installed on the bridge.

"These poles are no ordinary poles and are saline water resistant," he said, adding that 450 street light feedings have also been installed on the poles.

Besides, there are three high masts to provide light in the toll plaza, which is of 16

lines.

The toll plaza will be equipped with state-of-the-art toll collection system.

MOVING FAST

The Bandra-Worli sea link would provide an additional moving outlet from the city to the Western suburbs, thereby providing much-needed relief to the congested Mahim causeway, which records around 1.25 lakh public vehicles in a day.

8-LANE BRIDGE

The eight-lane bridge will reduce the travel time between the two points from 60-90 minutes to six-eight minutes.

This will save around Rs 100 crore a year in vehicle operating costs alone.