

INFRASTRUCTURE PROJECTS

1. First Mile Connectivity [FMC]

To strengthen India's energy security and to realize **Atma Nirbhar Bharat** by replacing imported coal with domestically mined coal, Ministry of Coal has set a target to produce 1.31 BT in FY25 and 1.5 BT in FY30. Development of coal transportation that is cost efficient, fast and environment friendly manner is important goal of the country.

Keeping in view of increase in coal evacuation in future, Ministry of Coal is working on the development of National Coal Logistic Plan including First Mile Connectivity through railway sidings near coal mines and strengthening of Rail Network in Coalfields.

MOC has formulated a strategy to develop an integrated approach for eliminating road transportation of coal in mines and has taken steps to upgrade the mechanized coal transportation and loading system under 'First Mile Connectivity' projects. Coal Handling Plants (CHPs) and SILOs with Rapid Loading Systems will have benefits like crushing, sizing of coal and speedy computer aided loading.



MOC has undertaken 103 first mile connectivity (FMC) projects (95 - CIL, 5- SCCL & 3 - NLCIL) of 1040 MTPA capacity, out of which 31 Projects (29-CIL & 2-SCCL) of 291 MTPA capacity have been commissioned. Remaining projects are to be implemented by FY27-28.

1.2 New ECO Friendly CHP (10 MT) Built at Sattupally Under First Mile Connectivity

With reduced manual intervention, precise pre-weighed quantity and better quality of coal can be loaded. Improved loading time will bring down the wagon idling increasing their availability. Easing the load on road networks promotes cleaner environment and savings on diesel. It will be an all-round win-win situation for the company, railways and the consumers.

1.3 Initiatives under PM Gati Shakti

The Ministry of Coal, in view of cleaner environment in coal transportation has given momentum in rail evacuation and also initiating new efforts to gradually move away from road movement of coal in country. Planned construction of new broad gauge rail lines in Greenfield coal bearing areas, extending the rail links to newer loading points and doubling and tripling the rail lines in some cases will enhance rail capacity considerably.

PM launched Gati Shakti- Nation Master Plan for Infrastructure development in October 2021 with the objective to bring different Ministries together and for integrated planning and coordinated implementation of infrastructure connectivity Projects. It will incorporate



the infrastructure schemes of various Ministries and State Governments and will also leverage technology extensively including spatial planning tools.

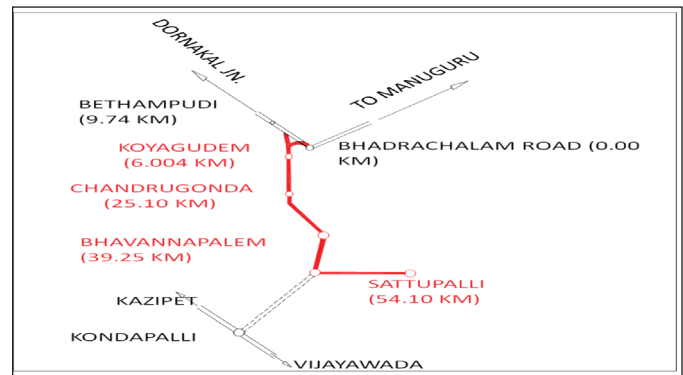


The PM Gati Shakti Portal is being developed under Nation Master Plan in association with Bhaskaracharya Institute of Space Application & Geoinformatics, Gandhinagar (BISAG).

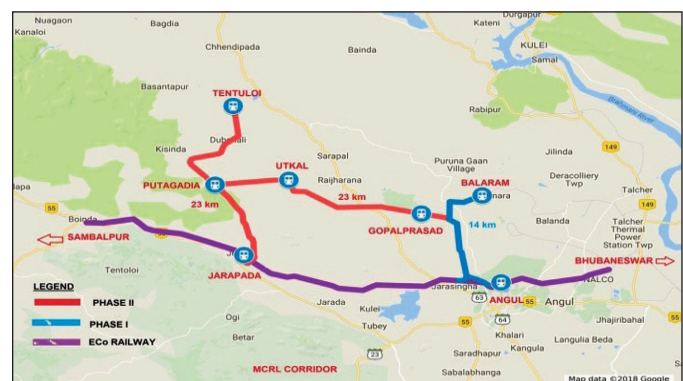
- MoC has identified more than 100 layers and mapped on portal along with attributes and metadata. These data layers are being continuously monitored depending on the requirements and further layers along with their attributes may be added as and when required. MoC and CMPDI is in constant touch with BISAG-N for taking immediate action on uploading of data layers.
- This layer will Speed up the process of Planning by consideration of all requirements related to Ministries during the planning and execution stage in projects.
- MoC on-boarded following layers on portal -
 - a) More than 100 data layers mapped along with attributes and Metadata.
 - b) 51 layers are under construction
 - c) 24 layers are proposed to be added on portal.

1.4 Railway Projects Commissioned during 2023

- (i) **Bhadrachalam Road-Sattupalli New BG rail Line:** 54 Km length new rail to facilitate unconnected areas of Telangana and coal transportation.

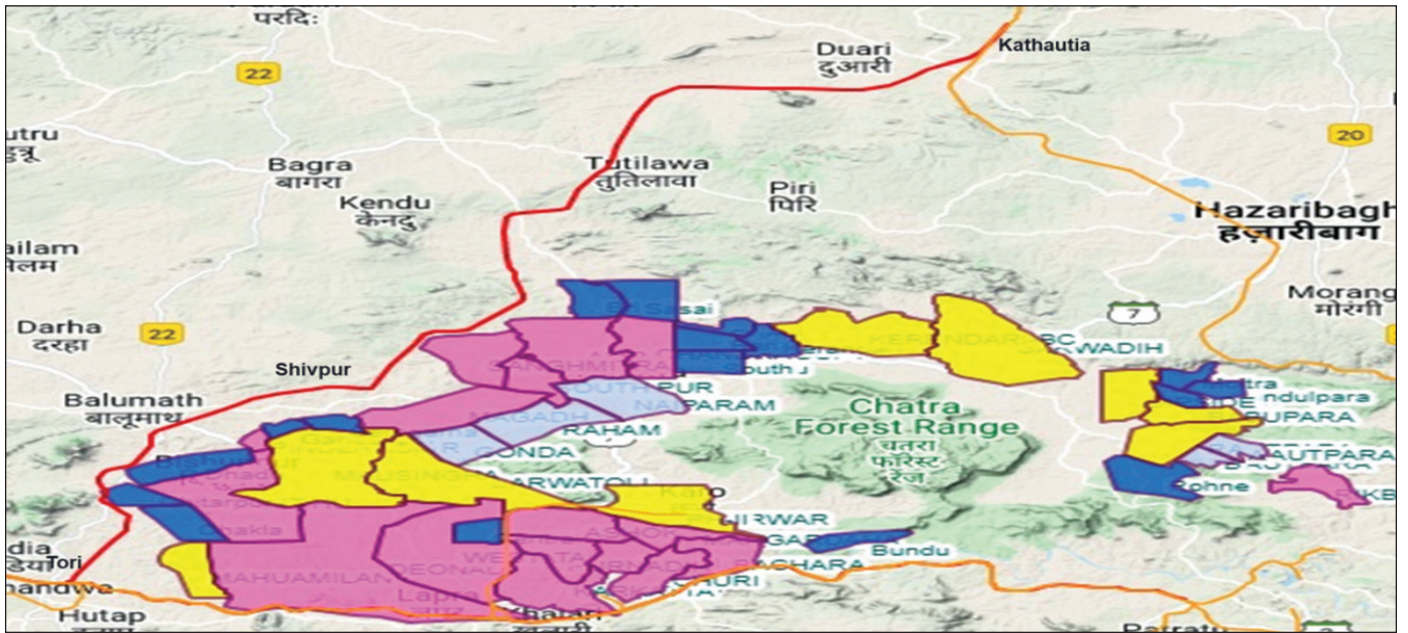


- (ii) **Angul — Baram — Putagadia — Jarapada** along with the link from Putagadia to Tentuloi (68 Km) (MCRL Rail Corridor in Odisha): This rail line will provide proximity to Talcher coalfields to nearby Paradip and Damra port and make it amenable to provide cheaper and alternative means of coal supply to distant location on east and west coast power plants and other users through sea route and ships relieving the existing congestion in upcoming rail routes.

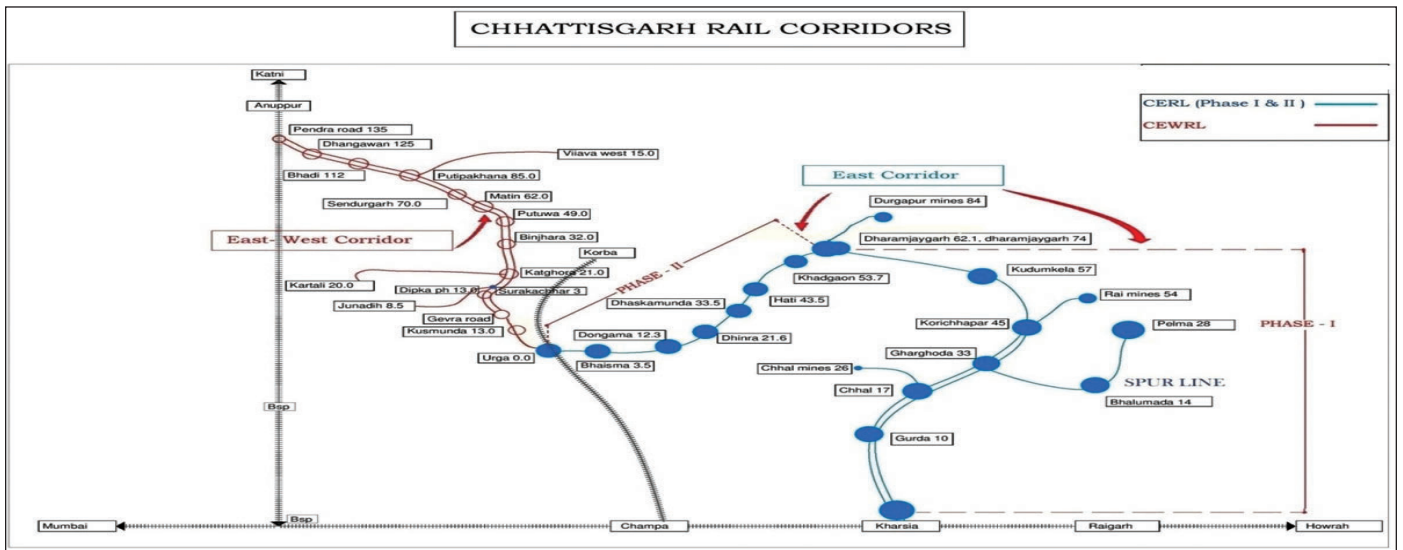


- (iii) **Tori-Shivpur-Kathautia Railway Line:** This new rail line of 49km, shall provide coal evacuation capacity of about 125 MT by rail and play major

role in eliminating coal transportation by road via Koderma, Jharkhand to the trunk railway line from Howrah to Delhi.



(iv) **CERL (Kharsia-Dharamjaygarh Rail Link) Phase-I:** Prime Minister Narendra Modi on 14th September 2023 dedicated to the nation South Eastern Coalfields Limited's (SECL) East Rail Corridor Phase-1, built at a cost of approximately ₹ 3,055 crore, at Raigarh, Chhattisgarh.



This 124 km track length line between Kharsia and Dharamjaygarh will help in transporting coal and other raw materials to various end-use projects including power generation projects from coal mines of SECL and other coal mines of Mand-Raigad Coalfield spread in Raigarh district, added the statement from PRO. The annual capacity of the project is 62 million tonnes per year.

