

## NTPC Limited

### Khargone Super Thermal Power Station

1. **Location:** Village Selda & Dalchi near Sanawad, District: Khargone in Madhya Pradesh
2. **Capacity:** 1320 MW (2X660 MW), Ultra Super Critical Power Station with efficiency of 41.5%, which is 3% more than a conventional power plant which means that for the same power output, less amount of coal is consumed. This in turn makes it more environmentally friendly. Khargone STPS (Super Thermal Power Station) is the country's first & most efficient Ultra Super Critical Thermal Power Plant having state of the art equipment & technologies.
3. **Estimated completion cost:** Rs. 12645 crores.
4. **Water agreement:** 40 MCM/year, allocation from Omkareshwar Dam.
5. **Commercial Operation Date:** Unit 1: 01.02.2020, Unit 2: 04.04.2020.
6. The High Efficiency Electrostatic Precipitators (ESP) has been designed for a guaranteed efficiency of 99.97%.
7. 100% ash utilization, will be starting disposal of ash via rail mode very soon
8. Smart township
9. Net zero energy township. [Solar/renewable energy]
10. Water positive Township
11. Fugitive emission of fly ash & dust being controlled up to the maximum extent with the aid of suitable pollution control devices such as ESP, dust extraction, dust suppression systems and water spray arrangements etc.
12. **Coal Sourcing:** 6.5 MTPA (06 Rakes per day); U#1 FSA with MCL (3.33 MMTPA); U#2 Coal linkage granted by SLC [LT].
13. Zero Liquid Discharge (ZLD) scheme is implemented for recycle & reuse of waste water generated.

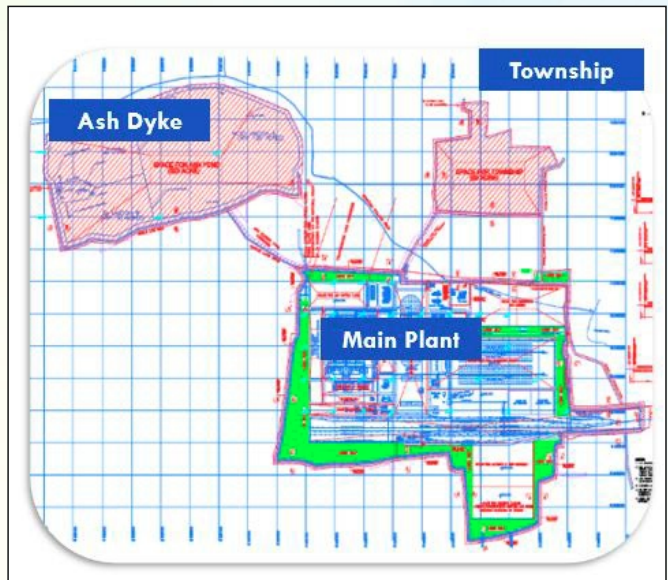
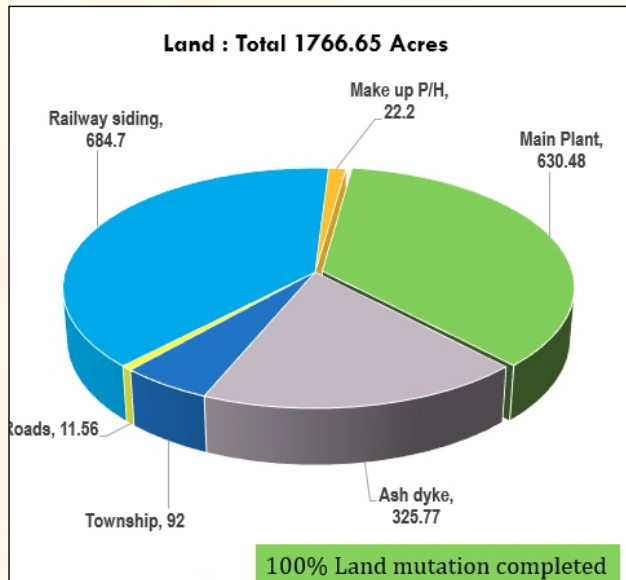


View of Plant

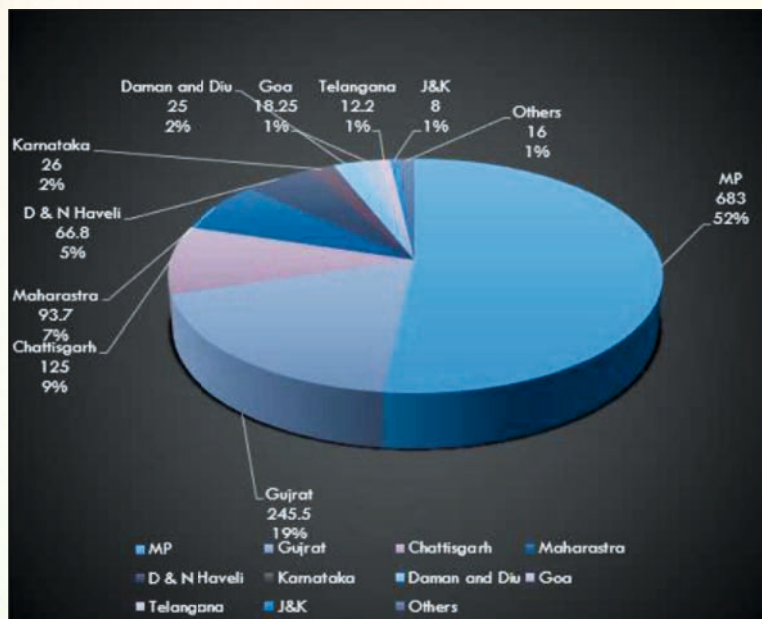


Safety Temple

14. Display of real time environmental parameters of station at main gate and prominent locations.
15. Unloading of coal through wagon tippler.
16. 8 nos. of vehicle speed sensors along with cameras for monitoring the vehicle speed limit.
17. FGD, Unit-1 already commissioned and Unit-2 will be commissioned this year
18. 3 nos. of Mobile Elevated Working Platform (MEWP) upto height of 25 Mtrs., which eliminates the manual work at height.



Land Details



Beneficiaries	Allocation [1320 MW]
Madhya Pradesh	683
Gujarat	245.5
Chhattisgarh	125
Maharashtra	93.7
D&N Haveli	66.8
Karnataka	26
Daman & Diu	25
Goa	18.25
Telangana	12.2
J&K	8
Others	16

Power Allocation [1320 MW]