

CIL Navikarniya Urja Limited
(A Subsidiary Company of Coal India Limited)

Tender

Document For

Design, Engineering, Procurement & Supply, Construction & Erection, Testing, Commissioning, Associated Transmission System and Comprehensive O&M for 10 Years of Cumulative 35 MW (AC) Solar PV Power Plant at Chandrapur, Wani and Majri Area, WCL

Maharashtra, India.

(Only through limited e-Tender mode for the CIL Empaneled EPC Contractors for Solar Projects)



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About the Company

CIL Navikarniya Urja Limited (CNUL), a wholly owned subsidiary company of Coal India Limited was incorporated on 16th of April, 2021 to venture into new business area of New and Renewable Energy (Non-Conventional) segment including Solar, Wind, Small Hydro, Biomass, Geo-Thermal, Hydrogen, Tidal, etc., along with other prevalent technologies/emerging technologies for development of non-conventional/clean & renewal energy Business.

Parent company Coal India Limited (CIL) is the state-owned coal mining corporate came into being in November 1975 is at the forefront of the nation's coal production in the Indian energy sector. CIL alone produces around 83% of country's entire coal output. In a country where 69% of the total electricity generation is coal based, CIL virtually empowers the nation's power sector. Around 80% of CIL's total supplies are catered to power sector.

Western Coalfields Limited (WCL), one of the eight subsidiaries of CIL, is operating mines in the states of Maharashtra and Madhya Pradesh. The Miniratna Category-I CPSE intends to utilize power from Solar PV power plant for its captive consumption in Chandrapur, Wani and Majra Area (in Maharashtra). WCL has given in-principle approval for the preparation of DPR under CAPEX mode for the development of cumulative 35 MW (AC) Solar PV power plants in the above mentioned 3 Areas in the state of Maharashtra.

WCL has selected CIL Navikarniya Urja Limited (CNUL) - the newly incorporated subsidiary of Coal India Limited - for the PMC service for its 35 MW (AC) ground-mounted and grid-connected solar PV power Projects in Maharashtra.

About the Project

The envisaged 35 MW (AC)/ 49 MW(DC) Solar Power plant will be established through EPC contractor at 11 (eleven) locations of 3 Areas of WCL, Maharashtra Region, India.

- Area wise segregation of projects and respective project capacity is as follows:

Name of Area	Location	Available Land (Ha)	Proposed Capacity in MW (AC)	Total Capacity of Area in MW (AC)
Chandrapur	Plot A	13	5	5
Wani	OB Dump	15	5	7
	Water Body	5	2	
Majri	Navin Kunda	22	13	23
	Telwasa	10	5	
	Dhorwasa	10	5	

- WCL has planned to evacuate the Power generated from the Solar Plants in the following manner:

Name of Area	Evacuation
Chandrapur	Total Generation may be feed to DOC mines S/S at 11 kV. The same can be adjusted from the total consumption of DOC Colliery, Durgapur/ Shaktinagar Colony and DRC colliery.
Wani	Total Generation may be feed at 33 kV at 33/11 kV Mathar Devi Sub-Station (6 kM from the proposed location of OB dump.)
Majri	Generation of Telwasa, Dhorwasa may be pooled to NK and the collective generation may be feed at 33 kV to 33/11 kV Majri Main sub-station (7 kM from NK)

*** The above is tentative and subject to alteration/modification during execution of the job. EPC Contractor shall have the responsibility to evacuate power at suitable points, if not possible in the way mentioned as above.*

- Installation, Testing and Commissioning of the 35 MW (AC)/ 49 MWp (DC) Solar Plant along with Transmission line / cable from plant take off point to the interconnecting substations and bay(s) at substations shall be **in the scope of EPC Contractor**. The EPC Contractor will also maintain the OHTLs during O&M period of 10 years at the cost of EPC Contractor. Safety, security, maintenance and operation of the said transmission line upto 10 years O&M period will be the sole responsibility of the EPC Contractor.

- Any other statutory approval, if required to be taken during execution of the project, will be taken by the EPC Contractor at its own cost. WCL and CNUL shall extend required help to the EPC Contractor for obtaining such statutory approval.
- CNUL (on behalf of WCL) now issues this Tender for selection of EPC-cum-O&M contractor for the entire EPC work for the Project as well as O&M of the Project for 10 years after the project Commissioning date (COD) (to be executed through **WCL** after awarding work by **WCL**. CNUL will be responsible for providing award recommendation of the work to the selected EPC Contractor.
- Post-award activities, such as signing of contract agreement, contract execution, payment and other activities will be under **WCL'S** scope. CNUL will provide PMC service during commissioning period as per the agreement between WCL and CNUL.