

SECTION- I

e-TENDER NOTICE



CCL

A Miniratna cat-I company

सेंट्रलकोलफील्ड्सलिमिटेड
(कोलइंडियाकीअनुषंगीइकाई)
दरभंगाहाउसरांची- 834 029
CENTRAL COALFIELDS LIMITED
(A Subsidiary of Coal India Limited)
E&M DEPARTMENT
DARBHANGA HOUSE, RANCHI 834 029
दूरभाष/Phone : 0651-2360788/2365500
वेबसाइट/Website : www.centralcoalfields.in
Email Id- gmenm.ccl@coalindia.in

NIT No.: GM(E&M)/e-tender/20MW Solar/22/3505

Dated: 15.06.2022

e-TENDER NOTICE

1. Digitally signed and encrypted e-Tenders are invited under Two Part system on the website <https://coalindiaticenders.nic.in> from the reputed and experienced contractors for the following work:

Description of work	Location	Estimated Value (₹)	Earnest Money (₹)	Period of Completion (In Days)
DEVELOPMENT OF 20 MW SOLAR PV PROJECT AT CENTRAL COALFIELDS LIMITED (CCL) CHP/CPP PIPARWAR, JHARKHAND	CHP/CPP PIPARWAR, JHARKHAND	138.35 Crores (Including GST and O&M cost for 5 Year) for 46.75 MU Maximum generation	50,00,000.00	Total contract period: 2095 days (270 days + 1825 days) a) Construction of plant including successfully trial run, :270 days (b) Operation & Maintenance of Plant: 1825 days

Note: The bid documents will be available on the website <https://www.coalindiaticenders.nic.in> & www.centralcoalfields.in and can be downloaded by the bidder up to the bid submission end date. The details of the tender will be mirrored on the Central Public Procurement Portal (CPP) of Govt. of India (<https://eprocure.gov.in>). There is no Application Fee.

2.0 BRIEF SCOPE OF WORK

Design, Engineering, Manufacturing, Supply, Packing and Forwarding, Transportation, Unloading, Storage, Installation and Commissioning of grid connected 20MW Ground Mounted Solar PV Project at CCL CHP/ CPP Piparwar, Jharkhand.

The broad scope of work under this package shall include Civil Structural and architectural works related to but not limited to the following areas, System, Structures / Substructures, Buildings and Facilities:

- i. Design, engineering, manufacturing, supply, packing and forwarding, transportation, unloading storage, installation, testing and commissioning of Solar Photo Voltaic Plant based on Open category PV modules and cells.
- ii. Site levelling & Grading and clearing/removal of vegetation.
- iii. Providing power supply and water supply for construction purposes.
- iv. Construction of Central Monitoring and Control Station (CMCS) with switchgear room, with all electrical fitting and furniture, security cabin etc.
- v. Construction of Inverter room/Pre - Engineered Building (PEB) as per bidder's proposal.
- vi. SCADA system for remote monitoring and including control of Inverters with all hardware & software.
- vii. Design, construction and fabrication of Module Mounting Structures and its Foundations.
- viii. Design and construction of Internal Roads and Pathways as per Bidder's proposed General Layout.
- ix. Design and construction of Drainage system as per General Layout and Topography.
- x. Construction of Prestressed precast Boundary wall and Main gate as per approved design.
- xi. Design and construction of a Module Washing System. Water supply arrangement for washing including supply and installation of Module Washing System.
- xii. Construction of Store Room.
- xiii. Design and construction of Sewerage System for any facility/ Room /building.
- xiv. Cable laying works
- xv. All associated electrical and civil works required for interfacing with grid (i.e. breakers, isolators, panels, protection system, cables/ overhead line).
- xvi. Construction of Overhead 33kV double circuit line and integration with CCL existing outdoor 33kV Central Switching Station (CSS), Piparwar Area including construction of two numbers of new 33kV Bay at CSS with all required control and protection system.