

**REF NO.WCL.HQ. 2023-24**  
**WESTERN COALFIELDS LIMITED**  
**(A Subsidiary of Coal India Limited)**  
**Coal Estate, Civil Lines, Nagpur**

**“EXPRESSION OF INTEREST (Eoi)”**  
**FOR**  
**OPERATION, MAINTENANCE AND MARKETING OF PACKAGED DRINKING WATER**  
**FROM BOTTLING PLANT OF PATANSAONGI, NAGPUR AREA, WCL UNDER BRAND**  
**NAME OF “COAL NEER”**

Expression of Interest (EOI) is hereby invited from the Govt. Agencies/ Private agencies (viz. Proprietorship / Partnership firm, co-operative societies / firms, registered in India, companies incorporated in India etc.) dealing with packaged drinking water / mineral water who is willing to operate, maintain the water bottling plant and able to market the packaged drinking water produced from water bottling plant of Patansaongi, Nagpur Area, WCL.

The key parameters includes expression of willingness to operate, maintain and able to market the packaged drinking water, broad operational modalities, marketing strategy, cost, timeline and different activities to be undertaken by them.

The Eoi should reach the Office of General Manager – Business Development, Western Coalfields Limited, 8th Floor, Coal Estate, Civil Lines, Nagpur in sealed envelopes by 03.30 PM of 10.04.2024 and the interactive session with participants being arranged in Hybrid Mode (Physical as well as Video Conference) on 03.04.2024 at 3.00 PM.

For more details please click on: <http://www.westerncoal.in/index1.php/StaticPage/307>

Link for Interactive Meeting on 03.04.2024 at 03:00 PM is

Eoi Meeting regarding COAL NEER

Hosted by Admin WCL HQ

<https://westerncoalfields.webex.com/westerncoalfields/j.php?MTID=m7159bc84471ce7af37e81c7d34e3e189>

Wednesday, April 3, 2024 3:30 PM | 2 hours | (UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi

Meeting number: 2513 975 7546

Password: RwVZUYAX333

Join by video system

Dial 25139757546@westerncoalfields.webex.com

You can also dial 210.4.202.4 and enter your meeting number.

**General Manager-Business Development Department**  
**WCL, Nagpur**

## **Background**

**Western Coalfields Limited (WCL)** is one of the eight Subsidiary Companies of Coal India Limited (CIL) which is under administrative control of Ministry of Coal having its registered office at **Coal Estate, Civil Lines, Nagpur-440001**. It has mining operation spread over the states of Maharashtra (in Nagpur, Chandrapur & Yeotmal Districts) and Madhya Pradesh (in Betul and Chhindawara Districts).

Coal Mining is a process of extraction of coal beneath the earth surface, in this process water is also being pumped out, known as Mine water. Mine water is pumped out from Underground mines for enabling safe extraction of coal as well as safety of men and material. A part of mine water is intermittently used for industrial as well as domestic purpose at the mine itself. The balance water left after internal consumption (Industrial & Domestic) is normally discharged into local nallah after due purification, which subsequently joins the main stream surface water bodies. In this reference, a green initiative was under taken by WCL to utilize balance mine water for effective usage by nearby community for irrigation, power generation, and domestic including potable drinking water.

Initially, WCL has installed RO (Reverse Osmosis) Plant at Patansaongi of capacity 10000 liters per hour in 2019. The RO plant of Patansaongi is located near Sadbhavna Colony on NH-47 Nagpur-Chhindwara Road. From this facility, water is being utilized by nearby population for drinking purpose. It was proposed to utilize the quantum of balance capacity of the plant for packaged drinking within the WCL. Accordingly, a Packaged Drinking Water (PWD) Bottling Plant was established having capacity of 15,000 bottles per day.

The treatment plant installed at Patansaongi UG includes the stepwise process of sedimentation, filtration through slow sand filter & processing through RO plant, followed by UV treatment and & PET blowing Machine. The additional inputs as instructed by BIS officials were complied to and accordingly BIS certification for 500 ml packaged drinking water was secured.

The Bottling plant is with one common water treatment unit and one packaging line. Packaging line is for 500/1000 ml bottle production having one Bottle Blowing machines adjoining to one filling, labelling and packing line. The bottling plant is capable of producing bottles of 500ml/1 litre from PET Pre-forms. The bottled water is under brand name Coal Neer for drinking purpose. Another packaging line for 500 ml bottle with one blowing machine, Rinsing/Filling/capping machine, wrap around labeling machine and corrugated box packing.

The Packaged Drinking Water Bottling Plant consisting:

- Drinking water treatment plant. Bottling plant comprising of Bottle blowing, filling, coding, labelling & packing machines, conveyors, Air Compressors, Chillers, with storage facilities for stacking of 3-4 days production and materials handling equipment etc.

- Maintenance and calibration of Laboratory facilities with all instruments and equipment for in house testing and analysis.
- O&M Contractor shall operate and maintain with the compliance of all statutory bodies / Departments, BIS certification for Packaged Drinking water.

#### **Capacity of the Plant:**

- Capacity of the Raw Water Storage Tank-10000 Ltr
- Capacity of the Drinking Water Treatment Plant- 2000 ltr, 10 m<sup>3</sup>/hr of product water with 5000-liter SS product water tank.
- RO permeate storage tank (SS –316)- 5 m<sup>3</sup>
- Bottle Blowing Machines-1 Nos. 45 BPH
- Rinser, filter and capper-24 bpm
- Labeling, Packaging and other ancillary equipments
- Storage Facility For stacking and storage of 3-4 days production @ 1000 cartons 0.5 ltr
- Operation of plant Local Panel PLC based automatic operation 8 hrs / day (2 shifts /day)
- Output (PDW) 15000 Bottles per day of 500ml

#### **Drinking Water Treatment Plant:**

- Drinking Water Treatment Plant is designed to remove suspended and colloidal impurities, organic matter and pesticides if any.
- Water Treatment plant is designed with PLC based automatic operation.
- Water is then passed through an Activated Carbon filter (ACF) sand filter for removal of pesticides if any, organic matter.
- The carbon filters is backwashed with raw water. The filtered water from the carbon filter is allowed to flow into a cartridge filter for removal of suspended particles before feeding to a reverse osmosis (RO) plant.
- The permeate stream (product water) from RO Plant shall be passed through micron cartridge filters followed by UV and then transferred to 5000 ltr storage tank with dosing pump correction of pH. Product water is then transferred to 2000 Litre tank for ozonation, added minerals and then to bottling station. Ozonation is done prior to bottling plant to produce bacteria free bottled water and increase its shelf life.
- UV & Ozonator are provided to remove and control all bacteria and produce totally bacteria free water with shelf life of bottled water six months from the date of packing with zero bacteria during shelf life.

- Bottles is capped and sealed during filling with treated UV & ozonated product water under hygienic condition to eliminate ingress of any bacteria during filling. All Drinking water bottles is under Brand name of Coal Neer.
- All the effluent streams such as carbon filter backwash discharged into the water harvesting discharge pit. RO reject is going to garden.
- Ozonated water is filled, packed & sealed in clean, colorless, transparent and tamper proof food grade PET bottles (confirming to IS:12252) suitable for preventing possible adulteration or contamination of the water.
- The plant is running with PLC based Automatic Operation and is suitable for continuous operation. Plant operates for 13 hours /day (two shifts /day) considering 2 hr for cleaning in progress and 1 hr for other routine maintenance check.

#### **Quality of Treated water:**

The Drinking water treatment plant shall be operated in a manner that final treated water for packaging conforms to IS 14543-2004 and also meet the characteristics drawn by WCL.

#### **Need for the Expression of Interest**

The objective of this EoI is to solicit willingness from the interested agencies for operation & maintenance and marketing the packaged drinking water produced from water bottling plant of Patansaongi, Nagpur Area, WCL. The interested agencies may express their terms such as operational modalities, co-branding (if desired), cost of production of packaged drinking water, delivery, and payment methods etc.

#### **Eligibility criteria and Conditions**

1. Any Govt. Agencies/ Private agencies (viz. Proprietorship / Partnership firm, co-operative societies / firms, registered in India, companies incorporated in India etc.) dealing with packaged drinking water located in India desired to enter in to long term agreement / contract can participate in EoI. However, bidding process for selection of suitable agency will be invited by WCL in the due course after concluding this EoI.
2. The bidder shall submit a write up indicating proposed scheme, operational modalities, cost, timeline and different activities to be undertaken by them. This will be the guiding parameter for WCL for framing the bidding document in a manner both the parties may be benefited.
3. This EoI is not an offer and is issued with no commitment. WCL reserves the right to withdraw the EoI and change or vary any part thereof at any stage.
4. WCL reserves the right to withdraw this EoI, if WCL determines that such action is in the best interest of the Company.
5. Neither the participant/agency nor any of the participant's/agency's representatives shall have any claims whatsoever against WCL or any of their respective officials, agents, or employees arising out of, or relating to this EoI or these procedures (other

than those arising under a definitive service agreement with the bidder in accordance with the terms thereof).

### **Submission of EOI**

1. The EOI should reach the Office of General Manager – New Initiative, Western Coalfields Limited, 8th Floor, Coal Estate, Civil Lines, Nagpur in sealed envelopes by 03.30 PM of 10.04.2024 with necessary supporting relevant documents, supporting credentials of participants needs to be enclosed along with the application. The details of contact person, address of correspondence, phone details and email.id to be furnished along with the EOI documents.
2. In case of any clarification, the interested party to contact on behalf of WCL:-  
Shri Anuj Mathur, Dy Manager (Env)- 9860922439  
Business Development Department, 8<sup>th</sup> Floor, WCL HQ,  
Civil Lines Nagpur-440001  
[email-gmbd.wcl@coalindia.in](mailto:email-gmbd.wcl@coalindia.in)

### **DISCLAIMER:**

All information contained in this, Expression of Interest (EOI) subsequently provided / clarified are in good interest and faith. This is not an agreement and is not an offer or invitation to enter into an agreement of any kind with any party. Each bidder / contractor should conduct its own investigation and analysis & should check the accuracy, reliability and completeness of the information in this Expression of Interest. Applicants should make their own independent investigation to enter into an agreement of any kind with any party.