



Western Coalfields Limited  
वेस्टर्न कोलफील्ड्स लिमिटेड  
(A Miniratna Company)  
(A Subsidiary of Coal India Limited)



## नवीन पहल/व्यवसाय विकास विभाग

### Department of New Initiative/Business Development

E-mail: [gmnewtechnology.wcl@coalindia.in](mailto:gmnewtechnology.wcl@coalindia.in)/[gmbd.wcl@coalindia.in](mailto:gmbd.wcl@coalindia.in)

[www.westerncoal.nic.in](http://www.westerncoal.nic.in) ☎ 0712-2515284 CIN – U10100MH1975GOI018626

पंजी.का : कोयला विहा, सिविल लाइन्स, नागपुर महाराष्ट्र-440001 / Regd. Off. : Coal Estate, Civil Lines, Nagpur MS-- 440001

संदर्भ संख्या / Ref.No. डबल्यूसीएल/नागपुर/ व्यवसाय विकास /2022-23/ 4-681

दिनांक/Date:05.04.2023

To,

The Director / VC,

CSIR-NEERI-Nagpur, ICFRE-Dehradun, WAPCOS-New Delhi, CIMFR-Dhanbad, CIMFR-Nagpur, IIT (ISM)-Dhanbad, NML-Jhamshepur, IIT-BHU-Varanasi, VNIT-Nagpur, IBM-Nagpur, Government Polytechnic College, Nagpur, IIIT Nagpur.

**Subject: To conduct an independent study on assessment & validation of mine-wise water to ensure optimum and gainful utilization of mine water.**

Dear Sir,

In Underground and Opencast coal mining operations, the water table is intersected and water is being pumped out to ensure safety of men and material. This pumped out water is known as Mine water. The Mine Water is utilized internally in mines and residential colonies and thereafter balance water is discharged into the natural nearby streams/nallahs after treatment.

WCL is already having mine wise data for mine water discharge, its internal utilization and for community use (in form Domestic and irrigation schemes). However, WCL is willing to conduct re-assessment & validation of mine-wise water to ensure optimum and gainful utilization of mine water through an independent study to verify the mine-wise water availability and also the potential to be created for community use (irrigation and domestic uses) in Coal/Lignite PSUs to ensure optimum and gainful utilization of mine water. The study is to be completed within 60 days from issuance of Award of Work/Work Order.

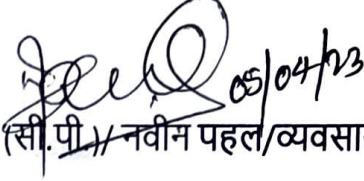
You are requested to submit your offer in a sealed envelope to the Office of the undersigned either through post or manually. The offer should consist of details like budgetary fee, duration for completion of tests, terms and schedule of payment, bank details and other terms and conditions if any.

The offers will be received up to 17.00 hrs on 26.04.2023 at this office and will be opened on next working day at Business Development Department, 8<sup>th</sup> Floor, WCL HQ, Coal Estate, Civil Lines, Nagpur- 440001.

**Note:** Any other Government Scientific / Laboratory Agency (Limited to Govt Agencies only) who is having such facilities and willing to participate shall also submit its offer. While submitting offer, it is required to mention reference no. of this letter on the top of the sealed envelope.

Encl: Scope of Work as Annexure-I.

भवदीय

  
विभागाध्यक्ष (सी.पी.) / नवीम पहल/व्यवसाय विकास विभाग

सादर सूचनार्थ – निदेशक तकनीकी (योजना एवं परियोजना) वेकोलि मुख्यालय, नागपुर

प्रतिलिपि:-

- a) महाप्रबंधक (खनन)/पर्यावरण/एचओडी
- b) तकनीकी सचिव- निदेशक तकनीकी (योजना एवं परियोजना) वेकोलि मुख्यालय, नागपुर

**Scope of Work to the Independent Agency:**

- a) WCL will provide available mine water data of 65 operational mines/beneficiary villages/discharge/utilization of mine water.
- b) Site visit and understanding the existing mine water discharge facilities / system.
- c) Analysis of detailed technical and administrative measures to be adopted in mine water discharge.
- d) Providing solutions to technicals & administrative measures of mine water discharge system.
- e) Development of standard methodology and periodical models for measurement & testing of mine water discharge and further requirement of water treatment.
- f) Trials for assessment of consumption of mine water for internal use and determination of balance water for external use.
- g) Identification potential consumers.
- h) Assessment/estimation of discharge of mine water in consultation with WCL and its validation for all technical & commercial purpose.
- i) Validation of data of mine water utilization for community use through water treatment and irrigation schemes in WCL.
- j) Estimation of persons benefitted by using water supply norms of GoI for each beneficiary village.
- k) Estimation and validation of Irrigated area and vis-à-vis Potential of irrigation from the balance mine water discharge from each mine.
- l) Draft report submission and its finalization.

**Inputs from WCL:**

- a) Provide relevant environmental data of mines and Plans.
- b) Furnish details of all tentative sources of water discharge and its characteristics. Details of site, layout, water intake well details, water balance, Hydrogeology study report, Geo technical study report and other details of project site etc, if required.
- c) Boarding & Lodging in different areas will be borne by WCL.

**Job Completion Period : 2 (two) months from date of award of work.**