



वेस्टर्न कोलफील्ड्स लिमिटेड

Western Coalfields Limited

(मिनीरत्न कंपनी) (A Miniratna Company)
(कोल इंडिया लि. की अनुबन्गी कंपनी)
(A Subsidiary of Coal India Limited)



पर्यावरण विभाग

आईएसओ 9001:2015 प्रमाणित

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CIN - U10100MH1975GOI018626

Environment Department

ISO 9001:2015 Certified

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

संदर्भ संख्या / Ref.No.: वेकोलि/ मुख्यालय/ पर्यावरण/14-1/1154-1167 दिनांक / Date : 30.07.2024

सेवा में,

क्षेत्रीय निदेशक,

सेन्ट्रल माईन प्लानिंग अँड डिजाइन इंस्टिट्यूट, (आर.आइ. -4),

कस्तुर्बा नगर, जरिपटका, नागपुर -440 014 (महाराष्ट्र).

विषय : Work order for Routine Environmental Monitoring works (REM) for projects/mines/units of WCL for the financial year 2024-25.

संदर्भ (1): WCL's Letter No. वेकोलि/ मुख्यालय/ पर्यावरण/14-1/443-455 dated 03.04.2024

(2): Approval of the Competent Authority (E-office file – 1404733)

(3): Email dated 30.03.2024 from WCL for continuation of REM works for FY 2024-25.

(4): E-office file no. 1398631 from CMPDIL, RI-IV, Nagpur

Sir,

This is to inform you that, the Competent Authority, has approved the proposal for award of Routine Environmental Monitoring (REM) work for Projects/ mines / units of WCL for the financial year 2024-25.

Further to this, based on the approval of the competent authority, this is to award the subject work to M/s CMPDIL, RI-IV, Nagpur for a total value of ₹ 38,70,16,588.00 (Rupees Thirty-Eight Crore Seventy Lakhs Sixteen Thousand Five Hundred and Eighty-Eight Only) excluding GST and ₹ 45,66,79,574.00 (Rupees Forty-Five Crore Sixty-Six Lakhs Seventy-Nine Thousand Five Hundred and Seventy-Four only) including GST (@ 18%) with following details:

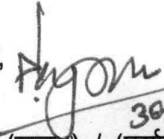
1. Scope of Work:

The work involves routine environmental monitoring of all projects / mines / units / workshops / railway sidings of WCL located in its Areas viz. Nagpur, Chandrapur, Ballarpur, Umrer, Majri, Wani, Wani North Areas of Maharashtra State, PENCH, Kanhan, Pathakhera Areas of Madhya Pradesh State and Central Workshop Tadali to comply with stipulated conditions in Environmental Clearances (EC) issued by Ministry of Environment & Forests (MoEF&CC), GoI and Consent to Operate (CTO) issued by State Pollution Control Boards (SPCBs), etc.

2. The Area wise / mine wise proposed locations for air, water and noise monitoring (tentative), parameters to be monitored along with frequency, etc. are enclosed as Annexure – I.

3. MoEF & CC standards for Coal Mining Industry issued vide Gazette Notification No. GSR-742(E), dt: 25.09.2000 / National Ambient Air Quality Standards (NAAQS) 2009 shall be followed.
4. For air monitoring, the inlet of the samplers must be 3-10 m above the ground level.
5. Time Period: 1-year i.e 1st April'2024 to 31st March 2025.
6. Monthly monitoring schedule shall be communicated to respective SPCBs, all the Areas and WCL-HQ.
7. Deliverables:
 - a. Monthly Routine Environmental Monitoring reports in respect of all projects / mines of WCL both in soft and hard copy to respective Areas & WCL-HQ as detailed below:
 - Hard copy of mine wise booklets to respective areas – Monthly one copy.
 - Soft copy of reports (in pdf).
 - Monthly monitoring data in the excel sheets as per the enclosed formats Annexure – II.
 - b. Monthly exceptional reports along with mitigation measures.
 - c. Location map of the area / mine showing all the monitoring stations with GPS Coordinates for Air, Water and Noise (separately) in soft copy.
 - d. After completion of monitoring of FY 2024-25, area wise / mine wise analysis (both statistical and graphical) of air quality data (in consultation with WCL) shall be submitted to WCL in soft copy.
8. For unscheduled samples from Areas based on any additional statutory requirements, any specific directions from regulatory bodies, etc. beyond the regular schedule will be accepted, only when it is accompanied with a copy of written request from respective AGM to GM(Environment)/HOD, WCL-HQ with a copy to RD-CMPDIL, RI-IV, Nagpur.
9. Bills have to be submitted along with a copy of certification from Area Nodal Officer (ENV) for sampling works and will be passed only after receipt of monitoring reports.
10. The processing authority of bill is office of GM(Environment) / HOD, WCL-HQ.
11. The final payment will be released by the office of GM(Finance), WCL-HQ, Nagpur in deference to the Budget Certification no. BC/WCL/REV/GM(ENV.)/2024-25/Environmental Expenses/01/06/50 dt., 29/7/2024 issued for Rs.45,66,79,574/- (Rupees Forty-Five Crore Sixty-Six Lakhs Seventy-Nine Thousand Five Hundred and Seventy-Four only) including GST @ 18%.

Encl. as above.

भवदीय,

 30/07/24
 महाप्रबंधक (खनन) / (पर्यावरण)

प्रतिलिपि -

1. क्षेत्रीय महाप्रबंधक वेस्टर्न कोलफिल्ड्स लिमिटेड, बल्लारपुर / चंद्रपुर / माजरी / वणी / वणी नॉर्थ / नागपुर / उमरेड / पेंच / कन्हान एवं पाथाखेडा क्षेत्र - सादर सुचनार्थ
2. महाप्रबंधक, सेन्ट्रल वर्कशॉप, टडाली -सादर सुचनार्थ
3. तकनिकी सचिव - निदेशक (तकनिकी) /संचालन, वेकोलि (मु.), नागपुर, सादर सुचनार्थ.
4. तकनिकी सचिव - निदेशक (तकनिकी) परियोजना एवं योजना, वेकोलि (मु.), नागपुर, सादर सुचनार्थ.

Details of parameter and frequency FY 2024-25

Particulars	Parameters	Frequency	No. of samples
REM-AIR SAMPLE (SPM)	SPM	Fortnightly (Core Zone 132 stn)	3168
REM-AIR SAMPLE (PM10, SO2, NOX)	PM10, SO2, NOX	Fortnightly in Core (132 stn) and Weekly twice in buffer (70 stn) and Fortnightly in buffer (48 stn)	11600
REM-AIR SAMPLE (PM2.5)	PM2.5	Fortnightly in Core (132 stn) and Weekly twice in buffer (70 stn) and Fortnightly in buffer (48 stn)	11600
REM-AIR SAMPLE (HM)	Arsenic, Lead, Nickel, Total Chromium, Cadmium, Mercury	Twice a year (air stn 250 and Fugitive 77 stn)	654
REM-AIR SAMPLE (fugitive)	SPM, PM10	Quarterly (77 stn)	308
REM-WATER SAMPLE (Surface)	pH Value, Colour (Hazen), TDS, Oil & Grease, Dissolved Oxygen, B.O.D. (3 days at 27°C), Arsenic (As), Lead as (Pb), Hexavalent Chromium, Copper (as Cu), Zinc as (Zn), Selenium (Se), Cadmium as (Cd), Fluoride (as F-), Iron (as Fe), Nitrate Nitrogen, Sulphate (as SO4-2), Chlorides (as Cl-)	Quarterly (6) and twice a year (48)	120
REM-WATER SAMPLE (Drinking water)	Colour (Hazen), Odour, Turbidity (NTU), pH Value, Total Hardness (as CaCO3), Iron (as Fe), Chlorides (as Cl-), Residual Chlorine, Fluoride (as F-), TDS, Calcium (as Ca), Magnesium (as Mg), Copper (as Cu), Manganese as (Mn), Sulphate (as SO4-2), Nitrates (as NO3), Cadmium as (Cd), Lead as (Pb), Selenium (Se) —mg/l, Arsenic (As), Zinc as (Zn), Total Chromium, Boron as (B), Alkalinity, Nickel, Aluminium (Al)	Quarterly (64)	256
REM-WATER SAMPLE (MD 4 PARAMETER)	pH, TSS, COD, O&G	Fortnightly (62)	1426
REM-WATER SAMPLE (ETP)	pH, TSS, COD, O&G	Fortnightly (27)	621
REM-WATER SAMPLE (DETP)	TSS, BOD	Fortnightly (9)	207
REM-WATER SAMPLE (MD All Parameter)	pH Value, Temperature, Colour (Hazen), Odour, TSS, Oil & Grease, COD, B.O.D., Total Residual Chlorine, Ammoniacal Nitrogen, Total Kjeldahl Nitrogen, Arsenic (As), Lead as (Pb), Hexavalent Chromium, Total Chromium, Copper (as Cu), Zinc as (Zn), Selenium (Se), Nickel, Cadmium as (Cd), Fluoride, dissolved phosphates, sulphide, Iron, Manganese & Nitrate Nitrogen.	Yearly once	62
REM-WATER SAMPLE (ETP All Parameter)		Yearly once	27
REM-WATER SAMPLE (ETP All Parameter)		Quarterly (1)	4
REM-WATER SAMPLE (DETP All Parameter)		Yearly once	9
REM-SAMPLE (NOISE)	Day & Night Noise	Fortnightly (143)	3432
Provision for unscheduled samples from Areas based on any additional statutory requirements, any specific directions from regulatory bodies, etc.			