



ADHUNIK POWER & NATURAL RESOURCES LIMITED

WORKS : Village - Padampur, Behind P.G.C.I.L. Substation,
Adityapur - Kandra Road, Saraikela - Kharsawan, PIN - 832402 Jharkhand
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CIN - U40101WB2005PLC102935

Ref: MOE&F, RNC/HYC/KKJ/29523/02

Dated: 29.05.2023

To,

Regional Office (ECZ),
Ministry of Environment, Forest and Climate Change,
Bungalow No. A-2, Shyamali Colony,
Ranchi - 834002

Sub:- Submission of Half yearly compliance status report (Unit II) for the period - October 2022 to March 2023 -Reg.

Ref:- MoEF EC letter No.J-13012/8/2009-IA.II(T), Dated 09th May 2011.

Sir,

With reference to the above referred Environmental Clearance, we are pleased to submit herewith the half yearly compliance status report (Unit II) for the period of **October 2022 to March 2023**.

This is for your reference and record, please.

Thanking you,

For Adhunik Power & Natural resources Limited

(Authorized Signatory)

Encl: As Above

Copy to:

1. Central Pollution Control Board, Kolkata
2. Member Secretary, Jharkhand State Pollution Control Board, Jharkhand
3. Regional Officer, JSPCB, Jamshedpur



Recd
31/05/23



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REPORT

**ENVIRONMENTAL COMPLIANCE STATUS REPORT
FOR
EXPANSION OF 1X270 MW COAL BASED POWER
PLANT
(Unit II)**



OCTOBER 2022 – MARCH 2023

**Adhunik Power & Natural Resources Limited
Village: Padampur, Behind PGCIL Substation
Kandra Chouka Road, Saraikela-Kharsawan
Jharkhand**

Adhunik Power & Natural Resources Limited Vill: Padampur, Behind PGCIL Substation, Kandra Chouka Road, Saraikela-Kharsawan, Jharkhand		
Environmental Clearance Letter No: J13012/8/2009-IA .II (T) dtd 9th May 2011.		
Period Of Compliances: October 2022 to March 2023		
SI No	EC Conditions	Status as on 31 st March 2023
A. Specific Conditions:		
i.	Environmental clearance for the proposed expansion shall be applicable only for addition of 1x270 MW out of proposed addition of 3x270. However at a later stage when firm coal linkage for second and third units of 270 MW are also available, the project proponent may request the Ministry for inclusion of second and third units i.e. 2x270 MW, which the Ministry shall consider appropriately.	Noted
ii.	The Ministry had issued a draft Notification on 30 th March, 2011 vide S.O. 691(E) under the Environment (Protection) Act, 1986 notifying the areas upto 5 km from the boundary of the protected area of Dalma Wildlife Sanctuary in the State of Jharkhand as the Eco-sensitive Zone. The necessity of obtaining environmental clearance from the National Board for Wild life would arise only if the proposed project area falls within the boundary of the finally notified eco-sensitive zone.	As per notification date 29 th March 2012 project boundary are beyond the stipulated distance from the boundary of the protected area of Dalma Wildlife Sanctuary in the State of Jharkhand as the Eco-sensitive Zone. Notification regarding nearest distance from Dalma wildlife sanctuary enclosed as Annexure I. Complied
iii.	Wildlife conservation plan shall be implemented during the development of project itself and the status of implementation shall be submitted to the Ministry from time to time.	The Wild Life Management Plan (WLMP) has prepared already been approved by PCCF, Ranchi on May'10.2010. Complied
iv.	Vision document specifying prospective plan for the site shall be formulated and submitted to the Ministry within six months.	Vision document report has submitted at MoEF on 30 th Dec 2011. Complied
v.	Possibility for harnessing solar power within the premises of the plant (particularly at available roof tops) shall be examined and status of implementation shall be submitted.	Installation of solar light system in all vulnerable area are completed.
vi.	Transport of coal shall be by rail only. The project proponent shall accordingly take up the matter with the Railways. Status of implementation shall be submitted to the Regional Office of the Ministry from time to time.	As per the Environment (Protection) Amendment Rules, 2020 dated 21 May 2020, Transport of coal by covered trucks, has been permitted.
vii.	A study shall be undertaken by an organization of repute such as RIT, Jamshedpur on source sustainability of water, based on the data of the source of water (Subarnarekha River) for the last 50 years and a report submitted within six months.	Water sustainability report has been prepared by IIT Kharagpur. Report was already submitted to MoEF BBS dated 11.11.11. Complied

viii.	Water usage shall be restricted to 30 MCM.	Complied.
ix.	The project proponent shall seriously undertake rain water harvesting measures and shall develop water storage capacity for a larger period not less than 30 days storage before commissioning of the plant. Central Groundwater Authority/ Board shall be consulted for finalization of appropriate rainwater harvesting technology/design within a period of three months from the date of this clearance and details shall be furnished. The design of rain water harvesting shall comprise of rain water collection from the built up and open area in the plant premises. Action plan and road map for implementation shall be submitted to the Ministry within six months.	The Rain water harvesting report has already been submitted and approved from CGWA, Ranchi. 13 no Rain water harvesting structures has been constructed in accordance with the approved rain water harvesting plan. Complied
x.	Existing de-generated water bodies (if any) in the study area shall be regenerated at the project proponents expenses in consultation with the state govt.	Degenerated pond has been renovated as per request from local people/Gram Panchayat .
xi.	Hydrogeology of the area shall be reviewed annually from an institute/ organization of repute to assess impact of surface water and ground regime (especially around ash dyke). In case and deterioration is observed specific mitigation measures shall be undertaken and reports/ data of water quality monitored regularly and maintained shall be submitted to the Regional Office of the Ministry.	Hydrogeology study is in process and shall be submitted shortly. Regular monitoring of ground water quality in and around ash pond area including heavy metals is being carried out periodically. Ground water analysis report of upstream & Downstream of Ash pond in compared with baseline data for the month of March 2023 are enclosed as Annexure II.
xii.	Source of water for meeting the requirement during lean season shall be specified and submitted to the Regional Office of the Ministry within three months.	Lean season data has already submitted To MoEF BBS on 19th aug 2011. Complied
xiii.	No ground water shall be extracted for use in operation of the power plant even in lean season.	Ground water has not extracted for operation of the Power Plant.
xiv.	No water bodies (including natural drainage system) in the area shall be disturbed due to activities associated with the setting up / operation of the power plant.	Natural drainage system has not been disturbed.
xv.	Minimum required environmental flow suggested by the Competent Authority of the State Govt. shall be maintained in the Channel/ Rivers (as applicable) even in lean season.	We are regular in touch with State Government ,if any suggestion will received from State Government , we shall adhere as per guidelines and same shall be inform to your good office.
xvi.	COC of 5.0 shall be adopted.	COC 5.0 has been considered for cooling tower design.
xvii.	Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg, Cr,As,Pb) and records maintained and submitted to the Regional Office of this Ministry. The data	Regular monitoring of ground water in and around ash pond area including heavy metals is being carried out & report submitted to MoEF. Ground water analysis report of upstream & Downstream of Ash pond compared with baseline data for the month of March 2023 are enclosed as Annexure II. Regular monitoring of ground water level are done through Piezometer installed at following

	so obtained should be compared with the baseline data so as to ensure that the ground water quality is not adversely affected due to the project.	locations: 1. 22°50'20.9"N 86°03'27.4"E 2. 22°50'09.5"N 86°03'48.1"E 3. 22°49'50.1"N 86°03'37.9"E Photographs of installed Piezometers are enclosed as Annexure III .
xviii.	Monitoring surface water quality in the area shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.	Ground water analysis report of upstream & Downstream of Ash pond and Surface Water Analysis report for the month of March 2023 are enclosed as Annexure II & Annexure IV respectively.
xix.	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved. The leveling in plant area should be minimum with no or minimal disturbance to the natural drainage of the area.	Complied.
xx.	Provision for installation of FGD shall be provided for future use	FGD space is available on site for future use and installation of FGD are initiated.
xxi.	The project proponent shall undertake measures and ensure that no fugitive fly ash emissions take place at any point of time.	Effective provision for dust suppression system has been strictly implemented at all dust prone areas such as road, coal stock yard, Truck tippler, Ash pond & others areas. Fugitive emission could not be occurred due to nature of wet condition of bottom ash. However additional arrangement of water sprinkling has been implemented in case of emission occurs. In addition, 03 No Water tankers are deployed for dust suppression.
xxii.	Stacks of 275 m height shall be installed and provided with continuous online monitoring equipments for SO _x , NO _x and PM _{2.5} & PM ₁₀ . Exit velocity of flue gases shall not be less than 22 m/sec. Mercury emissions from stack may also monitored on periodic basis.	Twin flue chimney of 275m height has constructed for proper dispersion of flue gases. Online monitoring equipment has installed at chimney. Hg concentration is well within prescribed limits. Complied
xxiii.	High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm ³ .	High efficient ESPs of 32 fields have installed to ensure control PM emission in flue gas. Stack Monitoring report from For the month of March 2023 are enclosed as Annexure V.
xxiv.	Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.	Necessary mitigation measures in accordance with EMP and EC conditions has taken to control fugitive emissions from ash storage/transfer and coal handling plant such as installation and operation of bag filters collectors, use of water spray systems and enclosed conveyors with well designed, extraction and filtration equipment on transfer points. Complied
xxv.	Utilization of 100% Fly Ash generated shall be made from 4 th year of operation. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.	Fly Ash utilization are adhered in compliance with MoEF&CC notification dated 31.12.2021. Fly Ash generation & Utilization report (April 2022 to March 2023) are enclosed as Annexure VI .

xxvi.	Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Unutilized fly ash shall be disposed off in the ash pond in the form of slurry form. Mercury and other heavy metals (As, Hg, Cr, Pb etc.) will be monitored in the bottom ash as also in the effluents emanating from the existing ash pond. No ash shall be disposed off in low lying area.	02 No Silos has Constructed to storage of fly ash. Monitoring of mercury and other heavy metals (As, Hg, Cr, Pd etc.) in the bottom ash and also in the effluents emanating from the ash pond is being done periodically. Bottom ash analysis report & effluent analysis report of ash pond For the month of March 2023 are enclosed as Annexure VII & Annexure VIII respectively.
xxvii.	Ash pond shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.	Complied.
xxviii.	For disposal of Bottom Ash in abandoned mines (if proposed to be undertaken) shall be done after obtaining due permission from DGMS and after ensuring that the bottom and sides of the mined out areas are adequately lined with clay before Bottom Ash is filled up. The project proponent shall inform the State Pollution Control Board well in advance before undertaking the activity	Not Applicable.
xxix.	Sulphur and ash contents in the coal to be used in the project shall not exceed 0.6 % and 34 % respectively at any given time. In case of variation of coal quality at any point of time fresh reference shall be made to MOEF for suitable amendments to environmental clearance condition wherever necessary.	The Sulphur content in used coal conforms the limits. As per the Environment (Protection) Amendment Rules, 2020 dated 21 May 2020, Use of coal by Thermal Power Plants, without stipulations as regards ash content or distance shall be permitted.
xxx.	Green Belt consisting of 3 tiers of plantations of native species around plant and at least 75 m width shall be raised. The density of tree shall not less than 2500 per ha and survival rate not less than 80 %.	A thick green belt of adequate width is being developed. 68123 nos. (Area covered-30.9 Hac) of plantation has been completed in and outside along the periphery of the power plant to arrest any dust emissions and help in attenuation of noise. Total Survival rate of Plant are 85.6 %. Name of Plant Species- Neem, Seesam, Mango, Jamun etc.
xxxi.	Over and above the green belt, as carbon sink, social forestry shall be carried out in close consultation with the Forests Department. The project proponent shall accordingly identify blocks of land / degraded forests and shall undertake regeneration of degraded forests at a large scale. In pursuance to this the project proponent shall formulate time bound action plan along with financial allocation and shall submit status of implementation to the Ministry within six months.	Letter has been submitted to Forest Department for guidance on implementation of social forestry.

xxxii.	At least three nearest village shall be adopted and basic amenities like development of roads, drinking water supply, primary health centre, primary school etc shall be developed in co-ordination with the district administration.	APNRL has adopted villages - Barahariharpur - Padampur - Srirampur CSR is also providing the facilities in following villages - Pindrabera - Chotahariharpur - Ramjivanpur - Bikanipur etc. Details of CSR activity enclosed as Annexure IX.
xxxiii.	The project proponent shall also adequately contribute in the development of the neighboring villages. Special package with implementation schedule for providing potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.	Details of CSR activity enclosed as Annexure IX.
xxxiv.	A time bound implementation of the CSR shall be formulated within six months and submitted to the Ministry. CSR schemes shall be undertaken based on need assessment in and around the villages within 5 km of the site and in constant consultation with the village Panchayat and the District Administration. As part of CSR, prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken.	List of local employed youth enclosed as Annexure X. Complied
xxxv.	For the tribal families (if any) living in the area within 5.0 Km of site, affected directly or indirectly by the proposed project, specific schemes for upliftment of their sustainable livelihood shall be prepared with time bound implementation and in-built monitoring programme. The status of implementation shall be submitted to the Regional Office of the Ministry from time to time.	CSR activities are being carried out in the surrounding villages keeping in mind the upliftment of tribal families. Details of CSR activity enclosed as IX .
xxxvi.	An amount of Rs 23.70 Crores shall be earmarked as one time capital cost for CSR programme as committed by the project proponent. Subsequently a recurring expenditure of Rs 4.74 Crores per annum shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within six month along with road map for implementation.	We have submitted copy of capital cost & year wise recurring expenditure on CSR activities to MoEF &CC, Ranchi Office on 05.12.2018. Complied.
xxxvii	It shall be ensured that in-built monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time	All CSR activities are monitored on weekly and monthly basis. We have conducted social audit through renowned organization who are well aware about Social Audit in Jharkhand region. Copy of Social audit shall be submitted shortly.

B. General Conditions:		
i.	The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. Arrangements shall be made that effluents and storm water do not do not get mixed.	Complied. Treated effluent analysis report of ETP from For the month of March 2023 are enclosed as Annexure XI. Adequate and separate drainage structures has provided to channel storm water generated onsite into rain water harvesting structures constructed in accordance with the approved rain water harvesting plan.
ii.	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation	STP 60 KI capacity (03 No) has installed within plant premises to treat sewage waste. Photographs enclosed as Annexure XII.
iii.	Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.	The design of coal yard along with provision of fire safety measures viz. fire hydrants, water sprinklers has installed. Complied
iv.	Storage facilities for auxiliary liquid fuel such as LDO and/ HFO/LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.	Approval received on dated 24/02/2022. License No. P/HQ/JH/15/1065 (P257355), valid upto 31.12.2026 for LDO storage installation (under Petroleum Class "C") for operations. Copy of Approval are enclosed as Annexure XIII. APNRL is using liquid fuel with sulfur content variation between 0.80 -1.5% which is provided by HPCL. Copy of Test report are enclosed as Annexure XIII(a) Emergency Response Plan (ERP) has prepared as part of the project ESMS to cater to potential emergencies/risks identified.
v.	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	Plant is in operational condition however A first aid center comprising with necessary medical facilities is made available onsite to provide emergency medical aid to both contract workers and company staff. Complied.
vi.	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 85 dBA from source. For people working in the high noise area, requisite personal protective equipment like earplugs/ear muffs etc. shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non noisy/less noisy areas	Adequate measures has implemented in consistent with the EMP to control turbine noise levels within stipulated limits. This include installing of sufficient engineering control in turbines as per design specifications, provision of ear plugs/ear muffs for workers exposed to high noise, rotation of workers and carrying out periodic audiometric testing of workers and records is being maintained. Noise level monitoring report For the month of March 2023 are enclosed As Annexure XIV.

vii.	Regular monitoring of ambient air ground level concentration of SO ₂ , NO _x , PM _{2.5} & PM ₁₀ and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.	Ambient Air monitoring reports carried out by NABL accredited Laboratory for the month of March 2023 are enclosed As Annexure XV. Review of air quality monitoring results revealed compliance to NAAQS. Realtime data of CAAQMS has been uploaded at CPCB & JSPCB website.
viii.	Provision shall be made for the housing of construction labor (as applicable) within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Plant is in operational condition and local labors are coming from nearby villages. Complied
ix.	The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in .	Complied
x.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions/representations, if any, received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	A copy of EC has been submitted in Gram Panchayat & DC office and copy of Environment Clearance has been uploaded on company website.
xi.	An Environmental Cell comprising of at least one expert in environmental science / engineering, occupational health and social scientist, shall be created at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the head of the organization and he shall be held responsible for implementation of environmental regulations and social impact improvement/mitigation measures.	A Environmental Management Cell consist high qualified environmental professionals are being operational onsite to ensure effective implementation of specific EMPs. Organization chart of Environmental Management Cell enclosed as Annexure XVI.

xii.	The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM (PM_{2.5} & PM₁₀), SO₂, NO_x (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.	The updated compliance status of the stipulated EC conditions along with monitored data has been uploaded on the company website. The monitoring data (SPM, RSPM, SO₂, NO_x) for both ambient air quality and chimney emissions is being displayed at the main gate of the company. Compliance status of the stipulated EC conditions has been uploaded on company website and hard copy of same has been submitted for the period of April 2022 to September 2022 in office of MoEF, Ranchi & CPCB office, Kolkata along with monitored data.
xiii.	The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.	The last environmental statement for financial year (2021-22) in Form V has submitted to JSPCB dated 20th Sep 2022. Acknowledgement copy of same attached as Annexure XVII. Environment Statement (2021-22) has been uploaded on company website.
xiv.	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests	Last six monthly reports for the project along with environmental monitoring data submitted to MoEF RO at Ranchi office vide letter No MOE&F,RNC/HYC/KKJ/261122/02 ,dated 26TH Nov 2022. Acknowledgement copy of same attached as Annexure XVIII.
xv.	Regional Office of the Ministry of Environment & Forests will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponent will up-load the compliance status in their website and up-date the same from time to time at least six monthly basis. Criteria pollutants levels including NO_x (from stack & ambient air) shall be displayed at the main gate of the power plant.	A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information already submitted to the Board. The updated compliance status of the stipulated EC conditions along with monitored data has been uploaded on the company website. The monitoring data (SPM, RSPM, SO₂, NO_x) for both ambient air quality and chimney emissions is being displayed at the main gate of the company.

xvi.	Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.	Adequate budgetary provision has been made by the APNRL for execution of environmental management plan.
xvii.	The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant	Complied
xviii.	Full cooperation shall be extended to the Scientists/Officers from the Ministry / Regional Office of the Ministry at Bangalore / CPCB/ SPCB who would be monitoring the compliance of environmental status	We ensure.

कार्यालय :- प्रधान मुख्य वन संरक्षक झारखण्ड, राँची।

पत्रांक:-19एम01(5)29/2008 2574 दिनांक:-23.7.09

सचिव,

वन एवं पर्यावरण विभाग,

झारखण्ड सरकार, राँची।

मैसर्स आधुनिक थर्मल एनर्जी लिमिटेड के कान्हा पदमपुर, श्री रामपुर, रामचन्द्रपुर मौजा, जिला-सरायकेला-खरसावा में स्थापित किये जाने वाले थर्मल पावर प्रोजेक्ट के लिए पर्यावरणीय स्वीकृति के संबंध में।

विभागीय पत्रांक-308, दिनांक-04.02.09

उपर्युक्त विषयक संदर्भ में सूचित करना है कि प्रधान मुख्य वन संरक्षक, जैव विविधता संरक्षण एवं मुख्य वन्यप्राणी प्रतिपालक, झारखण्ड, राँची ने अपने पत्रांक 463, दिनांक-02.07.2009 (छायाप्रति संलग्न) द्वारा संबंधित विषय पर प्रतिवेदन/मंतव्य समर्पित किया है। उक्त प्रतिवेदन एवं उपलब्ध अभिलेखों के आधार पर प्रस्तावित परियोजना स्थल के संबंध में स्थिति निम्नवत् है :-

1. विषयक थर्मल पावर प्रोजेक्ट कान्हा पदमपुर, श्रीरामपुर, रामचन्द्रपुर मौजा की गैर-वन भूमि पर स्थापित किये जाने का प्रस्ताव है।
2. उपरोक्त पावर प्रोजेक्ट दलमा वन्यप्राणी आश्रयणी की निकटतम सीमा से लगभग 7.5 कि०मी० दूर स्थापित होगा। प्रस्तावित क्षेत्र की 10 कि०मी० त्रिज्या के अंदर अवस्थित वन भूमि सिंहभूम गज आरक्ष्य का भाग है।
3. वन प्रमण्डल पदाधिकारी, वन्यप्राणी प्रमण्डल, राँची के द्वारा पावर प्रोजेक्ट के लिए प्रस्तावित स्थल को प्रस्तावित इको-सेंसिटिव जोन से सटा हुआ बताया गया है, जबकि दलमा वन्यप्राणी आश्रयणी के लिए प्रस्तावित इको-सेंसिटिव जोन से संबंधित जो प्रस्ताव राज्य सरकार को भेजा गया है उसके अनुसार प्रस्तावित स्थल प्रस्तावित इको-सेंसिटिव जोन की निकटतम सीमा से लगभग 2.5 कि०मी० दूर अवस्थित है। इस क्रम में अनुलग्नक- 1 पर दो प्रतियों में नक्शा संलग्न है।
4. पावर प्रोजेक्ट के लिए प्रस्तावित स्थल से 8 से 10 कि०मी० की दूरी पर दलमा-रूगाई गज-कोरीडोर एवं दलमा-चंडिल गज-कोरीडोर अवस्थित है। इस क्षेत्र के पास एक अन्य गज-कोरीडोर चांडिल-माथा कोरीडोर भी है, जो प्रस्तावित स्थल से 10 कि०मी० से अधिक दूरी पर अवस्थित है। इसके अतिरिक्त कोई अन्य हाथी कोरीडोर प्रस्तावित

(Signature)

क्षेत्र के पास पूर्व चिह्नित नहीं है। उपरोक्त गज-कोरीडोर को दिखाते हुए नक्शा (अनुलग्नक-2) दो प्रतियों में संलग्न है।

5. वन प्रमण्डल पदाधिकारी, वन्यप्राणी प्रमण्डल, रांची के द्वारा अपने प्रतिवेदन में यह उल्लेख किया गया है कि दलमा वन्यप्राणी आश्रयणी की दक्षिणी सीमा पर स्वर्णरेखा नहर की गहरी खोदाई के कारण इस क्षेत्र में हाथियों का आवागमन अनियमित है। उन्होंने यह भी वर्णित किया है कि आश्रयणी से हाथियों का आवागमन रामगढ़, एन0एच0-33, डोभी, कपालन, तमोलिया होते हुए पुनः आश्रयणी की ओर हो रहा है। पूर्व में यह पलना जलाशय तक होता था, जो वर्तमान में नहर की खोदाई के कारण बाधित है। इस संबंध में नक्शे की समीक्षा पर यह पाया गया है कि यदि हाथियों का आवागमन पूर्ववतः आश्रयणी से पलना जलाशय तक होता भी है तब भी प्रस्तावित स्थल ऐसे किसी आवागमन मार्ग के बीच में नहीं आयेगा। पलना जलाशय की लोकेशन को दर्शाते हुए एक नक्शा भी इस पत्र के साथ संलग्न किया जा रहा है जिससे स्पष्ट होगा कि यह जलाशय प्रस्तावित स्थल से लगभग 17 कि0मी0 (उत्तर पूर्व) की दूरी पर अवस्थित है। प्रस्तावित स्थल होकर हाथियों का आवागमन होने की या कोई पूर्व-स्थापित गज-कोरीडोर होने की कोई ठोस सूचना/प्रमाण उपलब्ध नहीं है।
6. झारखंड राज्य में गज-कोरीडोर को चिह्नित करने का कार्य एक स्वयंसेवी संस्था 'वाइल्ड लाइफ ट्रस्ट ऑफ इण्डिया, नई दिल्ली' के द्वारा किया गया है। इस कार्य में झारखंड वन विभाग के द्वारा भी सहयोग किया गया था। उपरोक्त स्वयंसेवी संस्था द्वारा प्रकाशित 'Right of Passage- Elephant Corridors of India' नामक पुस्तक में झारखंड राज्य के लिए कुल 14 गज-कोरीडोर वर्णित है तथा इसी सूचना के आधार पर कांडिका चार में वर्णित तीन गज कोरीडोर को नक्शे पर दर्शाया गया है।
7. प्रस्तावित स्थल को आसपास कई अन्य उद्योग, यथा पावर ग्रिड कॉरपोरेशन ऑफ इण्डिया लि0, बी0कं0 स्टील आई0ओ0सी0एल0, टी0सी0एस0, उषा मार्टिन, नीलांचल स्टील, आदि स्थापित हैं। यह अनुलग्नक-3 पर दो प्रतियों में उपलब्ध नक्शे से स्पष्ट है। इस क्षेत्र में कई उद्योग होने के कारण भी इसे दलमा वन्यप्राणी आश्रयणी के प्रस्तावित इको-सेंसिटिव जोन से बाहर रखा गया था।
8. वन प्रमण्डल पदाधिकारी, वन्यप्राणी प्रमण्डल, रांची ने प्रस्तावित स्थल दलमा आश्रयणी एवं elephant bearing area के समीप होने के कारण हाथियों के आवागमन पर पड़ने वाले प्रतिकूल प्रभाव की संभावना बताते हुए प्रस्तावित परियोजना हेतु अनापत्ति प्रमाण-पत्र निर्गत नहीं करने की अनुशंसा की है। परंतु वन संरक्षक, वन्य प्राणी अंचल, रांची ने वन प्रमण्डल पदाधिकारी द्वारा अपने प्रतिवेदन में उठाए गये विभिन्न बिन्दुओं पर

Be

समीक्षात्मक टिप्पणी अंकित करते हुए उनकी अनुशंसा से सहमति व्यक्त नहीं की है, जो उपरोक्त कंडिकाओं में उल्लिखित तथ्यों एवं संलग्नक मानचित्रों पर आधारित है। प्रधान मुख्य वन संरक्षक, जैव विविधता संरक्षण एवं मुख्य वन्यप्राणी प्रतिपालक, झारखण्ड, रांची, वन संरक्षक के उपर्युक्त मंतव्य से सहमत हैं।

9. प्रधान मुख्य वन संरक्षक, जैव विविधता संरक्षण एवं मुख्य वन्यप्राणी प्रतिपालक, झारखण्ड, रांची द्वारा अग्रलिखित शर्त पर संबंधित परियोजना हेतु एनओसी निर्गत करने की अनुशंसा की गई है कि EIA के ToR की शर्त V के आलोक में प्रयोक्ता अभिकरण को इस आशय की वचनबद्धता देनी होगी कि प्रयोक्ता अभिकरण वन्य प्राणी विशेषज्ञ की मदद से Wildlife Mitigation and Conservation Plan उक्त क्षेत्र विशेष हेतु तैयार करा कर EIA में शामिल करेंगे और उक्त योजना का कार्यान्वयन वन विभाग के माध्यम से प्रयोक्ता अभिकरण की लागत पर किया जायेगा।

प्रधान मुख्य वन संरक्षक, जैव विविधता संरक्षण एवं मुख्य वन्यप्राणी प्रतिपालक, झारखण्ड, रांची के उपर्युक्त मंतव्य से अद्योहस्ताक्षरी सहमत हैं।

अनुरोध है कि विषयगत पर्यावरणीय स्वीकृति पर अग्रतर कार्यवाई करने की कृपा की जाय।

अनु०-यथोक्त।

विश्वासभाजन,



प्रधान मुख्य वन संरक्षक,
झारखण्ड, रांची।

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Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	3	8
Discipline: Chemical						Group: Water						Sub-Group: Ground Water					
Report Issue Date: 31-03-2023									Test Report No.: RN-230320001GW1								
Sample ID: 230330WA02001									Sample Description: GW (Bore well)								
Challan No./P.O. No.: 3030006457									Challan Date/P.O. Date.: 06-12-2022								
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																	
Type of Industry: Power Plant									Customer Representative: Kamlesh Jha								
Sample Drawn by: IEM Team									Sampling Date: 28-03-2023								
Protocol: CPCB Guideline & IS Method 3025 Part-01																	
Sampling Location: SHRIRAMPUR VILLAGE																	
Field Meteorological Information						A. Temp.(°C): 28			R.H. (%): 61			W.C.: Clear			W.D.: NE - SW		
Sample Receiving Date: 29-03-2023						Testing Started: 29-03-2023						Testing Ended: 31-03-2023					

---Test Result---

Sl. No.	Tested Parameter	Unit	Method No.	Limit		Results
				Acceptable	Permissible	
1.	pH value at 25°C	----	IS 3025 (Part-11)	6.5 – 8.5	No Relaxation	6.88
2.	Turbidity	NTU	IS:3025 (Part-10)	1	5	4.18
3.	Colour	Hazen	IS 3025 (Part-04)	5	15	5.0
4.	Odour	----	IS:3025 (Part-05)	Agreeable	Agreeable	Agreeable
5.	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part-16)	500	2000	372.0
6.	Calcium (as Ca ²⁺)	mg/l	IS 3025 (Part-40)	75	200	134.0
7.	Total Alkalinity (as CaCO ₃)	mg/l	IS 3025 (Part-23)	200	600	20.0
8.	Total Hardness (as CaCO ₃)	mg/l	IS 3025 (Part-21)	200	600	154.0
9.	Ammonical Nitrogen (as N)	mg/l	IS 3025 (Part-34)	0.5	No Relaxation	BDL(MDL-0.1)
10.	Chloride (as Cl ⁻)	mg/l	IS:3025 (Part-32)	250	1000	52.48
11.	Free Residual Chlorine	mg/l	IS:3025 (Part-26)	0.2	1.0	BDL(MDL-2.0)
12.	Sulphate (as SO ₄)	mg/l	IS:3025 (Part-24)	200	400	26.11
13.	Magnesium (as Mg)	mg/l	APHA 3500	30	100	4.86
14.	Sodium (as Na)	mg/l	IS 3025 (Part-45)	-----	-----	741
15.	Potassium (as K)	mg/l	IS 3025 (Part-45)	-----	-----	4.56

---END Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	IS 10500 :2021
Remark	Sample Comply with prescribed specification.

Tested By: Anshu Gupta

Sample Drawn By: Rahul Kr. Singh & Team

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Quality Checked by _____ Authorized Signatory

Shreyas Sonar
(Shreyas Sonar)
Dy. Quality Manager
S. C. Jain
Director

Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

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Institute for Environmental Management



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Certified by ISO 9001:2015 (Quality Management System)
ISO 45001:2018 (Occupational Health & Safety Management System)

Test Report

Discipline: Chemical	Group: Water	Sub-Group: Ground Water
Report Issue Date: 31-03-2023	Test Report No.: RN-230320001SW1	
Sample ID: 230330WA02001	Sample Description: GW (Bore well)	
Challan No./P.O. No.: 3030006457	Challan Date/P.O. Date.: 06-12-2022	
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402		
Type of Industry: Power Plant	Customer Representative: Kamlesh Jha	
Sample Drawn by: IEM Team	Sampling Date: 28-03-2023	
Protocol: CPCB Guideline & IS Method 3025 Part-01		
Sampling Location: SHRIRAMPUR VILLAGE		
Field Meteorological Information	A. Temp.(°C): 28	R.H. (%): 61
	W.C.: Clear	W.D.: NE - SW
Sample Receiving Date: 29-03-2023	Testing Started: 29-03-2023	Testing Ended: 31-03-2023

---Test Result---

Sl. No.	Tested Parameter	Unit	Method No.	Limit		Results
				Acceptable	Permissible	
1.	Taste	---	IS:3025 (Part-07)	Agreeable	Agreeable	Agreeable
2.	Nitrate (as NO ₃)	mg/l	IS:3025 (Part-34)	45	No Relaxation	1.26
3.	Fluoride (as F ⁻)	mg/l	APHA 4500	1.0	1.5	0.68
4.	Sulfide	mg/l	IS:3025 (Part-29)	0.05	No Relaxation	BDL(MDL-1.0)

---END Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	IS 10500 :2021
Remark	Sample Comply with prescribed specification.

Tested By: Anshu Gupta

Sample Drawn By: Rahul Kr. Singh & Team

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Quality Checked by _____ Authorized Signatory

Shreya Sonal

(Shreya Sonal) S. C. Jain

Dy. Quality Manager Director



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Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	4	0
Discipline: Chemical	Group: Residues and Contaminants in Water										Sub-Group: Trace Metals elements						
Report Issue Date: 31-03-2023										Test Report No.: RN-230320001GW1							
Sample ID: 230330RC02001										Sample Description: Ground Water							
Challan No./P.O. No.: 3030006457										Challan Date/P.O. Date.: 06-12-2022							
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																	
Type of Industry: Power Plant										Customer Representative: Kamlesh Jha							
Sample Drawn by: IEM Team										Sampling Date: 28-03-2023							
Protocol: IS Method & CPCB Guideline																	
Sampling Location: SHRIRAMPUR VILLAGE																	
Field Meteorological Information										A. Temp.(°C): 28		R.H. (%): 61		W.C.: Clear		W.D.: NE - SW	
Sample Receiving Date: 29-03-2023						Testing Started: 29-03-2023						Testing Ended: 31-03-2023					

---Test Result---

Sl.No.	Tested Parameter	Unit	Method No.	Limits	Results
1.	Copper	mg/l	APHA 3111 B.2017	0.05 - 1.5	0.06
2.	Chromium	mg/l	APHA 3111 B.2017	0.05 - No Relaxation	BDL (MDL- 0.04)
3.	Lead	mg/l	APHA 3111 B.2017	0.01 - No Relaxation	BDL (MDL- 0.03)
4.	Zinc	mg/l	APHA 3111 B.2017	05 - 15	BDL (MDL- 0.04)
5.	Nickel	mg/l	APHA 3111 B.2017	0.3 - No Relaxation	BDL (MDL- 0.03)
6.	Mercury	mg/l	APHA 3111 C.2017	0.001 - No Relaxation	BDL (MDL - 0.008)
7.	Total Arsenic	mg/l	APHA 3111 C.2017	0.01 - No Relaxation	BDL (MDL - 0.012)
8.	Manganese	mg/l	APHA 3111 B.2017	0.1 - 0.3	BDL (MDL - 0.08)

---End Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	As Per IS 10500:2021
Remark	Sample Comply with prescribed specification.

Tested By: Anshu Gupta

Sample Drawn By: Rahul Kr. Singh & Team

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Quality Checked and Authorized Signatory

Shreya Sonar
(Shreya Sonar) (S. C. Jain)
Dy. Quality Manager Director

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Test Report

Discipline: Chemical	Group: Residues and Contaminants in Water	Sub-Group: Trace Metals elements	
Report Issue Date: 31-03-2023		Test Report No.: RN-230320001GW1	
Sample ID: 230330RC02001		Sample Description: Ground Water	
Challan No./P.O. No.: 3030006457		Challan Date/P.O. Date.: 06-12-2022	
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402			
Type of Industry: Power Plant		Customer Representative: Kamlesh Jha	
Sample Drawn by: IEM Team		Sampling Date: 28-03-2023	
Protocol: IS Method & CPCB Guideline			
Sampling Location: SHRIRAMPUR VILLAGE			
Field Meteorological Information	A. Temp.(°C): 28	R.H. (%): 61	W.C.: Clear
			W.D.: NE - SW
Sample Receiving Date: 29-03-2023	Testing Started: 29-03-2023		Testing Ended: 31-03-2023

----Test Result----

Sl.No.	Tested Parameter	Unit	Method No.	Limits	Results
1.	Iron	mg/l	APHA 3111 B.2017	1.0 – No Relaxation	0.18

----End Report----

Env. Condition of Lab.	Laboratory is maintaining Temperature $27 \pm 2^\circ\text{C}$ and Relative Humidity $65 \pm 5\%$ in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	As Per IS 10500:2021
Remark	Sample Comply with prescribed specification.

Tested By: Anshu Gupta

Sample Drawn By: Rahul Kr. Singh & Team

Specific Contractual Notes: -

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On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.

Quality Checked by _____ Authorized Signatory

Shreyas Sonali
(Shreyas Sonali) S. C. Jain
Dy. Quality Manager Director



Corporate office ~ A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

Laboratory Site - H.No. -- A-13, Saket Vihar, Near Sohrai Bhawan, Harmu Housing Colony,
Ranchi-834002, Jharkhand, India

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National Accreditation Board for Testing Laboratory (NABL) vide TC-11515
Certified By ISO 9001:2015 (QMS) & ISO 45001:2018



Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	0	3	9	
Discipline:	Chemical					Group: Water					Sub-Group: Ground Water								
Report Issue Date:	31-03-2023										Test Report No.: RN-230320001GW2								
Sample ID:	230330WA02002										Sample Description: GW (Bore well)								
Challan No./P.O. No.:	3030006457										Challan Date/P.O. Date.: 06-12-2022								
Issued to:	ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																		
Type of Industry:	Power Plant										Customer Representative: Kamlesh Jha								
Sample Drawn by:	IEM Team										Sampling Date: 28-03-2023								
Protocol:	CPCB Guideline & IS Method 3025 Part-01																		
Sampling Location:	KADAMPUR VILLAGE																		
Field Meteorological Information	A. Temp.(°C): 28					R.H. (%): 61					W.C.: Clear					W.D.: NE - SW			
Sample Receiving Date:	29-03-2023					Testing Started: 29-03-2023					Testing Ended: 31-03-2023								

----Test Result----

Sl. No.	Tested Parameter	Unit	Method No.	Limit		Results
				Acceptable	Permissible	
1.	pH value at 25°C	----	IS 3025 (Part-11)	6.5 – 8.5	No Relaxation	6.76
2.	Turbidity	NTU	IS:3025 (Part-10)	1	5	4.20
3.	Colour	Hazen	IS 3025 (Part-04)	5	15	5.0
4.	Odour	----	IS:3025 (Part-05)	Agreeable	Agreeable	Agreeable
5.	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part-16)	500	2000	359.0
6.	Calcium (as Ca ²⁺)	mg/l	IS 3025 (Part-40)	75	200	52.91
7.	Total Alkalinity (as CaCO ₃)	mg/l	IS 3025 (Part-23)	200	600	15.0
8.	Total Hardness (as CaCO ₃)	mg/l	IS 3025 (Part-21)	200	600	162.0
9.	Ammonical Nitrogen (as N)	mg/l	IS 3025 (Part-34)	0.5	No Relaxation	BDL(MDL-0.1)
10.	Chloride (as Cl ⁻)	mg/l	IS:3025 (Part-32)	250	1000	54.98
11.	Free Residual Chlorine	mg/l	IS:3025 (Part-26)	0.2	1.0	BDL(MDL-2.0)
12.	Sulphate (as SO ₄)	mg/l	IS:3025 (Part-24)	200	400	29.33
13.	Magnesium (as Mg)	mg/l	APHA 3500	30	100	7.29
14.	Sodium (as Na)	mg/l	IS 3025 (Part-45)	-----	-----	6.82
15.	Potassium (as K)	mg/l	IS 3025 (Part-45)	-----	-----	3.89

----END Report----

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	IS 10500 :2021
Remark	Sample Comply with prescribed specification.

Tested By: Anshu Gupta

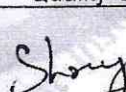
Sample Drawn By: Rahul Kr. Singh & Team

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Quality Checked by _____ Authorized Signatory


(Shreya Sonak)
Dy. Quality Manager
Ranchi
Director

Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

Laboratory Site - H.No. - A-13, Saket Vihar, Near Sohrai Bhawan, Harmu Housing Colony,
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Institute for Environmental Management



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ISO 45001:2018 (Occupational Health & Safety Management System)

Test Report

Discipline: Chemical		Group: Water		Sub-Group: Ground Water	
Report Issue Date: 31-03-2023			Test Report No.: RN-230320001SW2		
Sample ID: 230330WA02002			Sample Description: GW (Bore well)		
Challan No./P.O. No.: 3030006457			Challan Date/P.O. Date.: 06-12-2022		
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402					
Type of Industry: Power Plant			Customer Representative: Kamlesh Jha		
Sample Drawn by: IEM Team			Sampling Date: 28-03-2023		
Protocol: CPCB Guideline & IS Method 3025 Part-01					
Sampling Location: KADAMPUR VILLAGE					
Field Meteorological Information		A. Temp.(°C): 28	R.H. (%): 61	W.C.: Clear	W.D.: NE - SW
Sample Receiving Date: 29-03-2023		Testing Started: 29-03-2023		Testing Ended: 31-03-2023	

---Test Result---

Sl. No.	Tested Parameter	Unit	Method No.	Limit		Results
				Acceptable	Permissible	
1.	Taste	---	IS:3025 (Part-07)	Agreeable	Agreeable	Agreeable
2.	Nitrate (as NO ₃)	mg/l	IS:3025 (Part-34)	45	No Relaxation	0.68
3.	Fluoride (as F ⁻)	mg/l	APHA 4500	1.0	1.5	0.50
4.	Sulfide	mg/l	IS:3025 (Part-29)	0.05	No Relaxation	BDL(MDL-1.0)

---END Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	IS 10500 :2021
Remark	Sample Comply with prescribed specification.

Tested By: Anshu Gupta

Sample Drawn By: Rahul Kr. Singh & Team

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Quality Checked by _____ Authorized Signatory

Shreya Soni *S. C. Jain*

(Shreya Soni) (S. C. Jain)

Dy. Quality Manager, Ranchi Director



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ISO 45001:2018



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Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	4	1		
Discipline: Chemical	Group: Residues and Contaminants in Water										Sub-Group: Trace Metals elements								
Report Issue Date: 31-03-2023										Test Report No.: RN-230320001GW2									
Sample ID: 230330RC02002										Sample Description: Ground Water									
Challan No./P.O. No.: 3030006457										Challan Date/P.O. Date.: 06-12-2022									
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																			
Type of Industry: Power Plant										Customer Representative: Kamlesh Jha									
Sample Drawn by: IEM Team										Sampling Date: 28-03-2023									
Protocol: IS Method & CPCB Guideline																			
Sampling Location: KADAMPUR VILLAGE																			
Field Meteorological Information										A. Temp.(°C): 28				R.H. (%): 61		W.C.: Clear		W.D.: NE - SW	
Sample Receiving Date: 29-03-2023						Testing Started: 29-03-2023						Testing Ended: 31-03-2023							

----Test Result----

Sl.No.	Tested Parameter	Unit	Method No.	Limits	Results
1.	Copper	mg/l	APHA 3111 B.2017	0.05 - 1.5	0.09
2.	Chromium	mg/l	APHA 3111 B.2017	0.05 - No Relaxation	BDL (MDL- 0.04)
3.	Lead	mg/l	APHA 3111 B.2017	0.01 - No Relaxation	BDL (MDL- 0.03)
4.	Zinc	mg/l	APHA 3111 B.2017	05 - 15	BDL (MDL- 0.04)
5.	Nickel	mg/l	APHA 3111 B.2017	0.3 - No Relaxation	BDL (MDL- 0.03)
6.	Mercury	mg/l	APHA 3111 C.2017	0.001 - No Relaxation	BDL (MDL - 0.008)
7.	Total Arsenic	mg/l	APHA 3111 C.2017	0.01 - No Relaxation	BDL (MDL - 0.012)
8.	Manganese	mg/l	APHA 3111 B.2017	0.1 - 0.3	BDL (MDL - 0.08)

----End Report----

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	As Per IS 10500:2021
Remark	Sample Comply with prescribed specification.

Tested By: Anshu Gupta

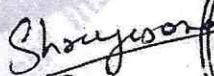
Sample Drawn By: Rahul Kr. Singh & Team

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Quality Checked by _____ Authorized Signatory


(Shreya Sonal)


(S. C. Jain)

Dy. Quality Manager

Director

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Certified by	ISO 9001:2015 (Quality Management System) ISO 45001:2018 (Occupational Health & Safety Management System)

Test Report

Discipline: Chemical	Group: Residues and Contaminants in Water	Sub-Group: Trace Metals elements
Report Issue Date: 31-03-2023	Test Report No.: RN-230320001GW2	
Sample ID: 230330RC02002	Sample Description: Ground Water	
Challan No./P.O. No.: 3030006457	Challan Date/P.O. Date.: 06-12-2022	
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402		
Type of Industry: Power Plant	Customer Representative: Kamlesh Jha	
Sample Drawn by: IEM Team	Sampling Date: 28-03-2023	
Protocol: IS Method & CPCB Guideline		
Sampling Location: KADAMPUR VILLAGE		
Field Meteorological Information	A. Temp.(°C): 28	R.H. (%): 61
	W.C.: Clear	W.D.: NE - SW
Sample Receiving Date: 29-03-2023	Testing Started: 29-03-2023	Testing Ended: 31-03-2023

----Test Result----

Sl.No.	Tested Parameter	Unit	Method No.	Limits	Results
1.	Iron	mg/l	APHA 3111 B.2017	1.0 - No Relaxation	0.22

----End Report----

Env. Condition of Lab.	Laboratory is maintaining Temperature $27 \pm 2^\circ\text{C}$ and Relative Humidity $65 \pm 5\%$ in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	As Per IS 10500:2021
Remark	Sample Comply with prescribed specification.

Tested By: Anshu Gupta

Sample Drawn By: Rahul Kr. Singh & Team

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Shreyas Sonal
(Shreyas Sonal)
Dy. Quality Manager

S. C. Jain
Dr. S. C. Jain
Director



Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

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Ph - 8407804254, 8407804251, Email - iem2012@rediffmail.com



ISO 45001:2018

Piezometer of Adhunik Power

Coordinates: 22°49'50.1"N 86°03'37.9"E Coordinates: 22°50'21.0"N 86°03'27.5"E Coordinates: 22°50'09.4"N 86°03'48.1"E

DATE	TIME	WATER LEVEL (m)	DATE	TIME	WATER LEVEL (m)	DATE	TIME	WATER LEVEL (m)
31-03-2023	23:00:00	3.65	31-03-2023	23:00:00	1.88	31-03-2023	23:00:00	0.37
15-03-2023	23:00:00	3.37	15-03-2023	01:00:00	1.92	15-03-2023	01:00:00	0.37
01-03-2023	23:00:00	3.42	01-03-2023	00:00:00	2.04	01-03-2023	00:00:00	0.37
28-02-2023	23:00:00	3.44	28-02-2023	23:00:00	1.91	28-02-2023	23:00:00	0.38
15-02-2023	23:00:00	3.44	15-02-2023	22:00:00	1.96	15-02-2023	22:00:00	0.38
01-02-2023	23:00:00	3.42	01-02-2023	21:00:00	2.14	01-02-2023	21:00:00	0.4
31-01-2023	23:00:00	3.41	31-01-2023	20:00:00	2.03	31-01-2023	20:00:00	0.43
15-01-2023	23:00:00	3.37	15-01-2023	19:00:00	2.07	15-01-2023	19:00:00	0.44
01-01-2023	23:00:00	3.49	01-01-2023	18:00:00	2.07	01-01-2023	18:00:00	0.44
31-12-2022	23:00:00	3.31	31-12-2022	17:00:00	2.2	31-12-2022	17:00:00	0.44
15-12-2022	23:00:00	3.32	15-12-2022	16:00:00	4.97	15-12-2022	16:00:00	0.43
01-12-2022	23:00:00	3.38	01-12-2022	15:00:00	2.07	01-12-2022	15:00:00	0.42
30-11-2022	23:00:00	3.42	30-11-2022	14:00:00	2	30-11-2022	14:00:00	0.4
15-11-2022	23:00:00	3.4	15-11-2022	13:00:00	2	15-11-2022	13:00:00	0.38
01-11-2022	23:00:00	3.42	01-11-2022	12:00:00	2.01	01-11-2022	12:00:00	0.37
31-10-2022	23:00:00	3.34	31-10-2022	11:00:00	2.02	31-10-2022	11:00:00	0.36
15-10-2022	23:00:00	3.42	15-10-2022	10:00:00	2.24	15-10-2022	10:00:00	0.35
01-10-2022	23:00:00	3.42	01-10-2022	09:00:00	1.82	01-10-2022	09:00:00	0.35



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Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	3	4			
Discipline:	Chemical					Group: Water					Sub-Group: Surface Water									
Report Issue Date:	31-03-2023										Test Report No.: RN-230320001SW1									
Sample ID:	230330WA03001										Sample Description: Surface Water (River)									
Challan No./P.O. No.:	3030006457										Challan Date/P.O. Date.: 06-12-2022									
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																				
Type of Industry: Power Plant										Customer Representative: Kamlesh Jha										
Sample Drawn by: IEM Team										Sampling Date: 28-03-2023										
Protocol: CPCB Guideline & IS Method 3025 Part-01																				
Sampling Location: SHRIRAMPUR VILLAGE																				
Field Meteorological Information					A. Temp.(°C): 28				R.H. (%): 61				W.C.: Clear				W.D.: NE - SW			
Sample Receiving Date: 29-03-2023					Testing Started: 29-03-2023					Testing Ended: 31-03-2023										

---Test Result---

Sl. No.	Tested Parameter	Unit	Method No.	Limit	Results
1.	pH value at 25°C	----	IS 3025 (Part-11)	6.5 - 8.5	7.5
2.	Turbidity	NTU	IS:3025 (Part-10)	--	3.48
3.	Colour	Hazen	IS 3025 (Part-04)	--	5.0
4.	Odour	----	IS:3025 (Part-05)	--	Agreeable
5.	Total Dissolved Solid (TDS)	mg/l	IS 3025 (Part-16)	--	192.0
6.	Calcium (as Ca ²⁺)	mg/l	IS 3025 (Part-40)	--	24.0
7.	Total Alkalinity (as CaCO ₃)	mg/l	IS 3025 (Part-23)	--	75.0
8.	Total Hardness (as CaCO ₃)	mg/l	IS 3025 (Part-21)	--	96.0
9.	Ammonical Nitrogen (as N)	mg/l	IS 3025 (Part-34)	--	BDL(MDL-0.1)
10.	Chloride	mg/l	IS 3025 (Part-32)	--	24.32
11.	Free Residual Chlorine	mg/l	IS:3025 (Part-26)	--	BDL(MDL-2.0)
12.	Sulphate (as SO ₄)	mg/l	IS 3025 (Part-24)	--	42.0
13.	Magnesium (as Mg)	mg/l	APHA 3500	--	8.74

---END Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	As per the Environmental (Protection) Rule - 1986.
Remark	N/A

Tested By: Anshu Gupta

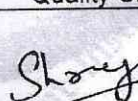
Sample Drawn By: Rahul Kr. Singh & Team

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Dy. Quality Manager


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Director

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ISO 45001:2018 (Occupational Health & Safety Management System)

Test Report

Discipline: Chemical	Group: Water	Sub-Group: Surface Water
Report Issue Date: 31-03-2023	Test Report No.: RN-230320001SW1	
Sample ID: 230330WA03001	Sample Description: Surface Water (River)	
Challan No./P.O. No.: 3030006457	Challan Date/P.O. Date.: 06-12-2022	
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402		
Type of Industry: Power Plant	Customer Representative: Kamlesh Jha	
Sample Drawn by: IEM Team	Sampling Date: 28-03-2023	
Protocol: CPCB Guideline & IS Method 3025 Part-01		
Sampling Location: SHRIRAMPUR VILLAGE		
Field Meteorological Information	A. Temp. (°C): 28	R.H. (%): 61
	W.C.: Clear	W.D.: NE - SW
Sample Receiving Date: 29-03-2023	Testing Started: 29-03-2023	Testing Ended: 31-03-2023

----Test Result----

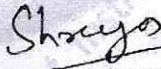
Sl. No.	Tested Parameter	Unit	Method No.	Limit	Results
1.	Nitrate (as NO ₃)	mg/l	IS:3025 (Part-34)	--	0.46
2.	Fluoride (as F ⁻)	mg/l	APHA 4500	--	1.09
3.	Sulfide	mg/l	IS:3025 (Part-29)	--	BDL(MDL-1.0)

----END Report----

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	As per the Environmental (Protection) Rule - 1986.
Remark	N/A

Tested By: Anshu Gupta

Sample Drawn By: Rahul Kr. Singh & Team

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---	--	---



Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

Laboratory Site - H.No. - A-13, Saket Vihar, Near Sohrai Bhawan, Harmu Housing Colony,
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Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	3	6
Discipline: Chemical	Group: Residues and Contaminants in Water										Sub-Group: Trace Metals elements						
Report Issue Date: 31-03-2023										Test Report No.: RN-230320001SW1							
Sample ID: 230330RC03001										Sample Description: Surface Water							
Challan No./P.O. No.: 3030006457										Challan Date/P.O. Date.: 06-12-2022							
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																	
Type of Industry: Power Plant										Customer Representative: Kamlesh Jha							
Sample Drawn by: IEM Team										Sampling Date: 28-03-2023							
Protocol: IS Method & CPCB Guideline																	
Sampling Location: SHRIRAMPUR VILLAGE																	
Field Meteorological Information										A. Temp.(°C): 28		R.H. (%): 61		W.C.: Clear		W.D.: NE - SW	
Sample Receiving Date: 29-03-2023						Testing Started: 29-03-2023						Testing Ended: 31-03-2023					

----Test Result----

Sl.No.	Tested Parameter	Unit	Method No.	Limits	Results
1.	Copper	mg/l	APHA 3111 B.2017	----	0.08
2.	Chromium	mg/l	APHA 3111 B.2017	----	BDL (MDL- 0.04)
3.	Lead	mg/l	APHA 3111 B.2017	----	BDL (MDL- 0.03)
4.	Zinc	mg/l	APHA 3111 B.2017	----	BDL (MDL- 0.04)
5.	Nickel	mg/l	APHA 3111 B.2017	----	BDL (MDL- 0.03)
6.	Mercury	mg/l	APHA 3111 C.2017	----	BDL (MDL - 0.008)
7.	Total Arsenic	mg/l	APHA 3111 C.2017	----	BDL (MDL - 0.012)
8.	Manganese	mg/l	APHA 3111 B.2017	----	BDL (MDL - 0.08)

----End Report----

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	-----
Remark	-----

Tested By: Anshu Gupta

Sample Drawn By: Rahul Kr. Singh & Team

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	(Shreya Sonal) Dy. Quality Manager	(S. C. Jain) Director

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Test Report

Discipline: Chemical	Group: Residues and Contaminants in Water	Sub-Group: Trace Metals elements	
Report Issue Date: 31-03-2023		Test Report No.: RN-230320001SW1	
Sample ID: 230330RC03001		Sample Description: Surface Water	
Challan No./P.O. No.: 3030006457		Challan Date/P.O. Date.: 06-12-2022	
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402			
Type of Industry: Power Plant		Customer Representative: Kamlesh Jha	
Sample Drawn by: IEM Team		Sampling Date: 28-03-2023	
Protocol: IS Method & CPCB Guideline			
Sampling Location: SHRIRAMPUR VILLAGE			
Field Meteorological Information	A. Temp.(°C): 28	R.H. (%): 61	W.C.: Clear
			W.D.: NE - SW
Sample Receiving Date: 29-03-2023	Testing Started: 29-03-2023		Testing Ended: 31-03-2023

Test Result

Sl.No.	Tested Parameter	Unit	Method No.	Limits	Results
1.	Iron	mg/l	APHA 3111 B.2017	----	0.11

End Report

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	-----
Remark	-----

Tested By: Anshu Gupta

Sample Drawn By: Rahul Kr. Singh & Team

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(Shreya Sonal)
Dy. Quality Manager


(S. C. Jain)
Director



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Test Report

Discipline: Biological	Group: Water	Sub-Group: Surface Water
Report Issue Date: 31-03-2023	Test Report No.: RN-230320001SW1	
Sample ID: 230330MB02001	Sample Description: Surface Water	
Challan No./P.O. No.: 3030006457	Challan Date/P.O. Date.: 06-12-2022	
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402		
Type of Industry: Power Plant	Customer Representative: Kamlesh Jha	
Sample Drawn by: IEM Team	Sampling Date: 28-03-2023	
Protocol: CPCB Guideline & IS Method 3025 Part-01		
Sampling Location: Shrirampur Village		
Field Meteorological Information	A. Temp.(°C): 28	R.H. (%): 61
	W.C.: Clear	W.D.: NE - SW
Sample Receiving Date: 29-03-2023	Testing Started: 29-03-2023	Testing Ended: 31-03-2023

Test Result

Sl. No.	Tested Parameter	Unit	Method No.	Limit	Results
1.	Total Coliform	MPN/100ml	IS 1622: 1981	--	1250
2.	Fecal Coliform	MPN/100ml	IS 1622: 1981	--	850
3.	E. Coli	MPN/100ml	IS 1622: 1981	--	850

END Report

Env. Condition of Lab.	Laboratory is maintaining Temperature 27 ± 2 °C and Relative Humidity 65 ± 5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	IS 10500 :2022
Remark	--

Tested By: Khushi

Sample Drawn By: Rahul Kr. Singh & Team

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Shreyas Soni
(Shreyas Soni)
Dy. Quality Manager
S. C. Jain
Director



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Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	3	5	
Discipline:	Chemical					Group: Water					Sub-Group: Surface Water							
Report Issue Date:	31-03-2023										Test Report No.: RN-230320001SW2							
Sample ID:	230330WA03002										Sample Description: Surface Water (River)							
Challan No./P.O. No.:	3030006457										Challan Date/P.O. Date.: 06-12-2022							
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																		
Type of Industry: Power Plant										Customer Representative: Kamlesh Jha								
Sample Drawn by: IEM Team										Sampling Date: 28-03-2023								
Protocol: CPCB Guideline & IS Method 3025 Part-01																		
Sampling Location: KADAMPUR VILLAGE																		
Field Meteorological Information					A. Temp.(°C): 28			R.H. (%): 61			W.C.: Clear			W.D.: NE - SW				
Sample Receiving Date: 29-03-2023					Testing Started: 29-03-2023					Testing Ended: 31-03-2023								

----Test Result----

Sl. No.	Tested Parameter	Unit	Method No.	Limit	Results
1.	pH value at 25°C	----	IS 3025 (Part-11)	6.5 - 8.5	7.83
2.	Turbidity	NTU	IS:3025 (Part-10)	--	0.78
3.	Colour	Hazen	IS 3025 (Part-04)	--	5.0
4.	Odour	----	IS:3025 (Part-05)	--	Agreeable
5.	Total Dissolved Solid (TDS)	mg/l	IS 3025 (Part-16)	--	290.0
6.	Calcium (as Ca ²⁺)	mg/l	IS 3025 (Part-40)	--	40.88
7.	Total Alkalinity (as CaCO ₃)	mg/l	IS 3025 (Part-23)	--	45.0
8.	Total Hardness (as CaCO ₃)	mg/l	IS 3025 (Part-21)	--	152.0
9.	Ammonical Nitrogen (as N)	mg/l	IS 3025 (Part-34)	--	BDL(MDL-0.1)
10.	Chloride	mg/l	IS 3025 (Part-32)	--	72.96
11.	Free Residual Chlorine	mg/l	IS:3025 (Part-26)	--	BDL(MDL-2.0)
12.	Sulphate (as SO ₄)	mg/l	IS 3025 (Part-24)	--	23.33
13.	Magnesium (as Mg)	mg/l	APHA 3500	--	12.15

----END Report----

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	As per the Environmental (Protection) Rule - 1986.
Remark	N/A

Tested By: Anshu Gupta

Sample Drawn By: Rahul Kr. Singh & Team

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Shreyas Sonal *S. C. Jain*

(Shreyas Sonal) (S. C. Jain)

Dy. Quality Manager Director

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Test Report

Discipline: Chemical		Group: Water		Sub-Group: Surface Water	
Report Issue Date: 31-03-2023			Test Report No.: RN-230320001SW2		
Sample ID: 230330WA03002			Sample Description: Surface Water (River)		
Challan No./P.O. No.: 3030006457			Challan Date/P.O. Date.: 06-12-2022		
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402					
Type of Industry: Power Plant			Customer Representative: Kamlesh Jha		
Sample Drawn by: IEM Team			Sampling Date: 28-03-2023		
Protocol: CPCB Guideline& IS Method 3025 Part-01					
Sampling Location: KADAMPUR VILLAGE					
Field Meteorological Information		A. Temp.(°C): 28	R.H. (%): 61	W.C.: Clear	W.D.: NE - SW
Sample Receiving Date: 29-03-2023		Testing Started: 29-03-2023		Testing Ended: 31-03-2023	

----Test Result----

Sl. No.	Tested Parameter	Unit	Method No.	Limit	Results
1.	Nitrate (as NO ₃)	mg/l	IS:3025 (Part-34)	--	0.68
2.	Fluoride (as F ⁻)	mg/l	APHA 4500	--	0.98
3.	Sulfide	mg/l	IS:3025 (Part-29)	--	BDL(MDL-1.0)

----END Report----

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	As per the Environmental (Protection) Rule - 1986.
Remark	N/A

Tested By: Anshu Gupta

Sample Drawn By: Rahul Kr. Singh & Team

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Shreyas
(Shreyas Sonar) S. C. Jain
Dy. Quality Manager Director



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Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	3	7		
Discipline: Chemical	Group: Residues and Contaminants in Water										Sub-Group: Trace Metals elements								
Report Issue Date: 31-03-2023										Test Report No.: RN-230320001SW2									
Sample ID: 230330RC03002										Sample Description: Surface Water									
Challan No./P.O. No.: 3030006457										Challan Date/P.O. Date.: 06-12-2022									
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																			
Type of Industry: Power Plant										Customer Representative: Kamlesh Jha									
Sample Drawn by: IEM Team										Sampling Date: 28-03-2023									
Protocol: IS Method & CPCB Guideline																			
Sampling Location: KADAMPUR VILLAGE																			
Field Meteorological Information										A. Temp.(°C): 28		R.H. (%): 61		W.C.: Clear		W.D.: NE - SW			
Sample Receiving Date: 29-03-2023						Testing Started: 29-03-2023						Testing Ended: 31-03-2023							

----Test Result----

Sl.No.	Tested Parameter	Unit	Method No.	Limits	Results
1.	Copper	mg/l	APHA 3111 B.2017	----	0.06
2.	Chromium	mg/l	APHA 3111 B.2017	----	BDL (MDL- 0.04)
3.	Lead	mg/l	APHA 3111 B.2017	----	BDL (MDL- 0.03)
4.	Zinc	mg/l	APHA 3111 B.2017	----	BDL (MDL- 0.04)
5.	Nickel	mg/l	APHA 3111 B.2017	----	BDL (MDL- 0.03)
6.	Mercury	mg/l	APHA 3111 C.2017	----	BDL (MDL - 0.008)
7.	Total Arsenic	mg/l	APHA 3111 C.2017	----	BDL (MDL - 0.012)
8.	Manganese	mg/l	APHA 3111 B.2017	----	BDL (MDL - 0.08)

----End Report----

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	-----
Remark	-----

Tested By: Anshu Gupta

Sample Drawn By: Rahul Kr. Singh & Team

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	 (Shreya Sonar) Dy. Quality Manager	 S. C. Jain Director

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Test Report

Discipline: Chemical	Group: Residues and Contaminants in Water	Sub-Group: Trace Metals elements
Report Issue Date: 31-03-2023	Test Report No.: RN-230320001SW2	
Sample ID: 230330RC03002	Sample Description: Surface Water	
Challan No./P.O. No.: 3030006457	Challan Date/P.O. Date.: 06-12-2022	
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402		
Type of Industry: Power Plant	Customer Representative: Kamlesh Jha	
Sample Drawn by: IEM Team	Sampling Date: 28-03-2023	
Protocol: IS Method & CPCB Guideline		
Sampling Location: KADAMPUR VILLAGE		
Field Meteorological Information	A. Temp.(°C): 28	R.H. (%): 61
	W.C.: Clear	W.D.: NE - SW
Sample Receiving Date: 29-03-2023	Testing Started: 29-03-2023	Testing Ended: 31-03-2023

----Test Result----

Sl.No.	Tested Parameter	Unit	Method No.	Limits	Results
1.	Iron	mg/l	APHA 3111 B.2017	----	0.10

----End Report----

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	-----
Remark	-----

Tested By: Anshu Gupta

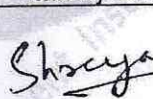
Sample Drawn By: Rahul Kr. Singh & Team

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(Shreya Sonar)
Dy. Quality Manager



S. C. Jain
Director



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Test Report

Discipline: Biological	Group: Water	Sub-Group: Surface Water
Report Issue Date: 31-03-2023	Test Report No.: RN-230320001SW2	
Sample ID: 230330MB02002	Sample Description: Surface Water	
Challan No./P.O. No.: 3030006457	Challan Date/P.O. Date.: 06-12-2022	
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402		
Type of Industry: Power Plant	Customer Representative: Kamlesh Jha	
Sample Drawn by: IEM Team	Sampling Date: 28-03-2023	
Protocol: CPCB Guideline& IS Method 3025 Part-01		
Sampling Location: Padampur Village		
Field Meteorological Information	A. Temp.(°C): 28	R.H. (%): 61
	W.C.: Clear	W.D.: NE - SW
Sample Receiving Date: 29-03-2023	Testing Started: 29-03-2023	Testing Ended: 31-03-2023

---Test Result---

Sl. No.	Tested Parameter	Unit	Method No.	Limit	Results
1.	Total Coliform	MPN/100ml	IS 1622: 1981	--	112
2.	Fecal Coliform	MPN/100ml	IS 1622: 1981	--	62
3.	E. Coli	MPN/100ml	IS 1622: 1981	--	62

---END Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	IS 10500 :2022
Remark	--

Tested By: Khushi

Sample Drawn By: Rahul Kr. Singh & Team

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(Shreya Soni)
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S. C. Jain
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Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	0	4	3
Discipline: Chemical						Group: Atmospheric Pollution						Sub-Group: Stack Emission						
Report Issue Date: 31-03-2023										Test Report No.: RN-230320001S2								
Sample ID: 230330AP05002										Sample Description: Stack Emission								
Challan No./P.O. No.: 3030006457										Challan Date/P.O. Date.: 06-12-2022								
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																		
Type of Industry: Power Plant										Customer Representative: Kamlesh Jha								
Sample Drawn by: IEM Team										Sampling Date: 12-03-2023								
Protocol: CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series																		
Field Meteorological Information						A. Temp.(°C): 27			R.H. (%): 64			W.C.: Clear			W.D.: NE - SW			
Sample Receiving Date: 29-03-2023						Testing Started: 29-03-2023						Testing Ended: 31-03-2023						

General Physical Information

Stack Identification	Single	Stack Height from Ground Level (m)	275
Emission Due to	Boiler	Port Hole Height from Ground Level (m)	90
Plat Form	Permanent	Inner Dimension of Stack (m)	4.2
Stack Description	Stack Unit - 2	Type of Fuel Used	Coal
Shape of Stack	Circular	Quantity of Fuel	----
Construction Material	Metal	Production Capacity	----
Sampling Port	Available	Pollution Control Device (if any)	ESP

Test Result

Sl. No.	Parameters	Test Methods	Unit	Result	Limits
1.	Flue Gas Temperature	IS 11255 (Part-3)	°K	387	---
2.	Flue Gas Velocity	IS 11255 (Part-3)	m/s	24.2	---
3.	Flue Gas Volumetric Flow Rate	IS 11255 (Part-3)	Nm ³ /hr.	917882.8	---
4.	Particulates Matter (PM)	IS 11255 (Part-1)	mg/Nm ³	36.55	50
5.	Sulphur Dioxide (SO ₂)	IS 11255 (Part-2)	mg/Nm ³	1275.1	600
6.	Oxides of Nitrogen (NO ₂)	IS 11255 (Part-7)	mg/Nm ³	697.59	450
7.	Carbon Monoxide (CO)	IS 13270:1992	%	BDL(MDL-0.2)	---

Dust	Kg/hr	33.55
Sulphur Dioxide	Kg/hr	1170.39
Oxide of Nitrogen	Kg/hr	640.31

---End of Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	---
Remark	---

Tested By: Akanksha Sourabh
Sample Drawn By: Rahul Kr. Singh & team

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Quality Checked by _____ Authorized Signatory

Shreya Sonar
(Shreya Sonar) S. C. Jain
Dy. Quality Manager ★ ★ Director

Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

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ISO 45001:2018 (Occupational Health & Safety Management System)

Test Report

Discipline: Chemical	Group: Atmospheric Pollution	Sub-Group: Stack Emission
Report Issue Date: 31-03-2023	Test Report No.: RN-230320001S2	
Sample ID: 230330AP05002	Sample Description: Stack Emission	
Challan No./P.O. No.: 3030006457	Challan Date/P.O. Date.: 06-12-2022	
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402		
Type of Industry: Power Plant	Customer Representative: Kamlesh Jha	
Sample Drawn by: IEM Team	Sampling Date: 12-03-2023	
Protocol: CPCB Guideline (LATS/80/2013-14) & IS Method 11255 Series		
Field Meteorological Information	A. Temp.(°C): 27	R.H. (%): 64
	W.C.: Clear	W.D.: NE - SW
Sample Receiving Date: 29-03-2023	Testing Started: 29-03-2023	Testing Ended: 31-03-2023

General Physical Information

Stack Identification	Single	Stack Height from Ground Level (m)	275
Emission Due to	Boiler	Port Hole Height from Ground Level (m)	90
Plat Form	Permanent	Inner Dimension of Stack (m)	4.2
Stack Description	Stack Unit - 2	Type of Fuel Used	Coal
Shape of Stack	Circular	Quantity of Fuel	-----
Construction Material	Metal	Production Capacity	-----
Sampling Port	Available	Pollution Control Device (if any)	ESP

Test Result

Sl. No.	Parameters	Test Methods	Unit	Result	Limits
1.	Flue Gas Temperature	IS 11255 (Part-3)	°K	387	---
2.	Flue Gas Velocity	IS 11255 (Part-3)	m/s	24.2	---
3.	Flue Gas Volumetric Flow Rate	IS 11255 (Part-3)	Nm ³ /hr.	917882.8	---
4.	Mercury (Hg)	(LATS/80/2013-2014)	mg/Nm ³	BDL(MDL-0.03)	0.03

---End of Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	---
Remark	---

Tested By: Akanksha Sourabh

Sample Drawn By: Rahul Kr. Singh & team

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Shreya Sonar *S. C. Jain*

(Shreya Sonar) (S. C. Jain)

Dy. Quality Manager * Ranchi * Director



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Ph - 8407804254, 8407804251, Email - iem2012@rediffmail.com



Adhunik Power & Natural Resource Limited

FLY ASH GENERATION & UTILIZATION REPORT (2022-23)

Ash Generation and Utilization							Mode of Ash Utilization			
Sl. No.	Months	Coal Consumed	Ash Contents of Coal (%)	Fly Ash Generation	Fly Ash Utilization	%age Utilization	In Making of Fly Ash Based bricks /Blocks /Tiles etc	PPC	RMC	Legacy Ash In Reclamation of Low Lying Area /Brick Plant
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		(12)
1	APRIL	195270	41.97	81957.9	66569.94	81.2%	6493.49	56528.1	3548.4	
2	MAY	253516	46.57	118060.0	82846.76	70.2%	4058.37	75643.7	3144.7	
3	JUNE	223998.1	43.06	96455.6	81987.25	85.0%	3643.77	73484.9	4858.6	
4	JULY	177268	44.66	79159.8	67285.81	85.0%	1960.79	61244.8	4080.2	
5	AUG	236245.5	39.44	93167.6	77746.45	83.4%	1802.39	72883.3	3060.7	
6	SEP	228920.8	46.32	106041.3	89956.42	84.8%	3193.78	82747.03	4015.6	
7	OCT	176628	43.66	77113.4	65546.39	85.0%	2733.98	57935.3	4877.2	
8	NOV	92391	43.38	40076.0	34064.60	85.0%	1209.97	28136.6	4718.1	25811.70
9	DEC	203746	43.75	89130.1	75760.62	85.0%	996.61	70382.4	4381.7	80405.73
10	JAN	217296	43.87	95320.4	81022.32	85.0%	4596.26	72261.9	4164.1	
11	FEB	216946	41.06	89073.9	75712.85	85.0%	5361.52	62518.3	7833.0	
12	MAR	161397	40.33	65083.8	55321.19	85.0%	4535.30	44664.4	6121.5	
		2383622	43.17	1030639.8	853820.6	83.3%	40586.2	758430.7	54804	106217.43



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National Accreditation Board for Testing Laboratory (NABL) vide TC-11515
Certified By ISO 9001:2015 (QMS) & ISO 45001:2018



Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	0	4	8		
Discipline:	Chemical		Group: Pollution & Environment										Sub-Group: Waste Water							
Report Issue Date:	31-03-2023										Test Report No.: RN-230320001WW03									
Sample ID:	230330PE03001										Sample Description: Waste Water (Ash Pond)									
Challan No./P.O. No.:	3030006457										Challan Date/P.O. Date.: 06-12-2022									
Issued to:																				
ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																				
Type of Industry: Power Plant										Customer Representative: Kamlesh Jha										
Sample Drawn by: IEM Team										Sampling Date: 28-03-2023										
Protocol: CPCB Guideline & IS Method 3025 Part-01																				
Sampling Location: Ash Pond Outlet																				
Field Meteorological Information										A. Temp.(°C): 28		R.H. (%): 61		W.C.: Clear		W.D.: NE - SW				
Sample Receiving date: 29-03-2023					Testing Started: 29-03-2023					Testing Ended: 31-03-2023										

---Test Result---

Sl. No.	Tested Parameters	Unit	Method No.	Limits	Results
1.	pH value at 25°C	----	IS 3025 (Part-11)	5.5 to 9.0	7.23
2.	Total Suspended Solids (TSS)	mg/l	IS 3025 (Part-17)	100	42.0
3.	Chromium	mg/l	APHA 3111 B.2017	--	BDL (MDL - 0.04)
4.	Lead	mg/l	APHA 3111 B.2017	--	BDL (MDL - 0.07)
5.	Mercury	mg/l	APHA 3112 C.2017	--	BDL (MDL - 0.008)
6.	Arsenic	mg/l	APHA 3114 C.2017	0.2	BDL (MDL - 0.012)

---End of Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	As per the Environmental (Protection) Rule - 1986
Remark	Sample Comply with prescribed specification.

Tested By: Punya Harsit Dadel

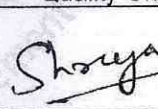
Sample Drawn By: Rahul Kumar Singh & Team

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Quality Checked by _____ Authorized Signatory _____


(Shreya Singh)
Dy. Quality Manager

Dr. S. C. Jain
Director

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Certified by	ISO 9001:2015 (Quality Management System) ISO 45001:2018 (Occupational Health & Safety Management System)

Test Report

Discipline: Chemical	Group: Pollution & Environment	Sub-Group: Waste Water	
Report Issue Date: 31-03-2023		Test Report No.: RN-230320001WW03	
Sample ID: 230330PE03001		Sample Description: Waste Water (Ash Pond)	
Challan No./P.O. No.: 3030006457		Challan Date/P.O. Date.: 06-12-2022	
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402			
Type of Industry: Power Plant		Customer Representative: Kamlesh Jha	
Sample Drawn by: IEM Team		Sampling Date: 28-03-2023	
Protocol: CPCB Guideline& IS Method 3025 Part-01			
Sampling Location: Ash Pond Outlet			
Field Meteorological Information	A. Temp.(°C): 28	R.H. (%): 61	W.C.: Clear
			W.D.: NE - SW
Sample Receiving date: 29-03-2023		Testing Started: 29-03-2023	Testing Ended: 31-03-2023

---Test Result---

Sl. No.	Tested Parameters	Unit	Method No.	Limits	Results
1.	Oil & Grease	mg/l	IS 3025 (Part-39)	20	BDL (MDL - 4.0)
2.	Temperature	mg/l	IS 3025 (Part-29)	--	28

---End of Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature $27 \pm 2^\circ\text{C}$ and Relative Humidity $65 \pm 5\%$ in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	As per the Environmental (Protection) Rule - 1986
Remark	Sample Comply with prescribed specification.

Tested By: Punya Harsit Dadel

Sample Drawn By: Rahul Kumar Singh & Team

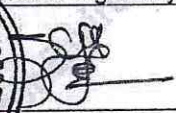
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(Shreya Sonar)
Dy. Quality Manager


S. C. Jain
Director

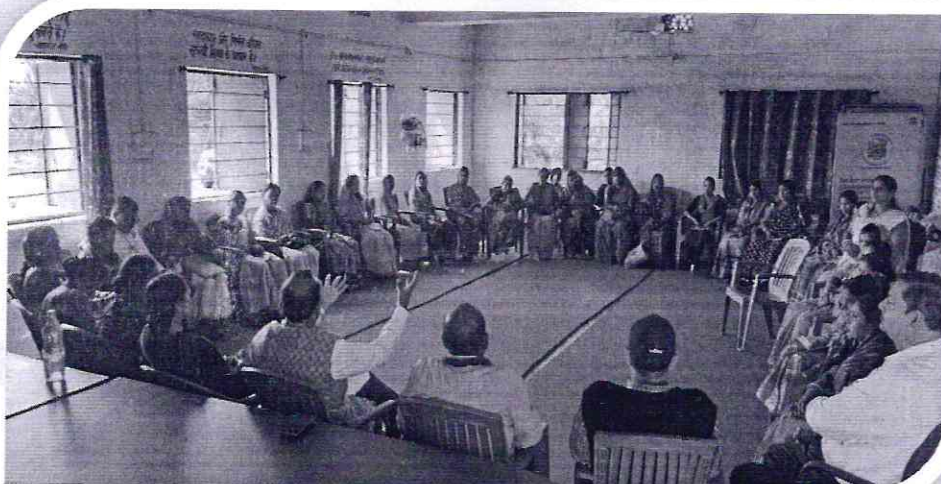
ADHUNIK POWER AND NATURAL RESOURCES LIMITED

(2 X 270 MW)

2022-2023

Corporate Social Responsibility - CSR

Performance report



Adhunik

Adhunik Power & Natural Resource Limited

Padampur, Kandra, Saraikela-Kharsawan, Jharkhand

CSR performance report from April'2022 to March'2023

Corporate Social Responsibility (CSR) has been an integral part of **ADHUNIK POWER & NATURAL RESOURCES LIMITED (APNRL)**'s business philosophy. APNRL is conducting the business in a socially responsible way by maintaining high level of organizational integrity and ethical behaviour, in conformity with expected standards of transparency in reporting and disclosing the performance in all spheres of its activities, demonstration of concern for social welfare, adoption of best management practices and effective operational methods to win the trust and confidence of all stakeholders.

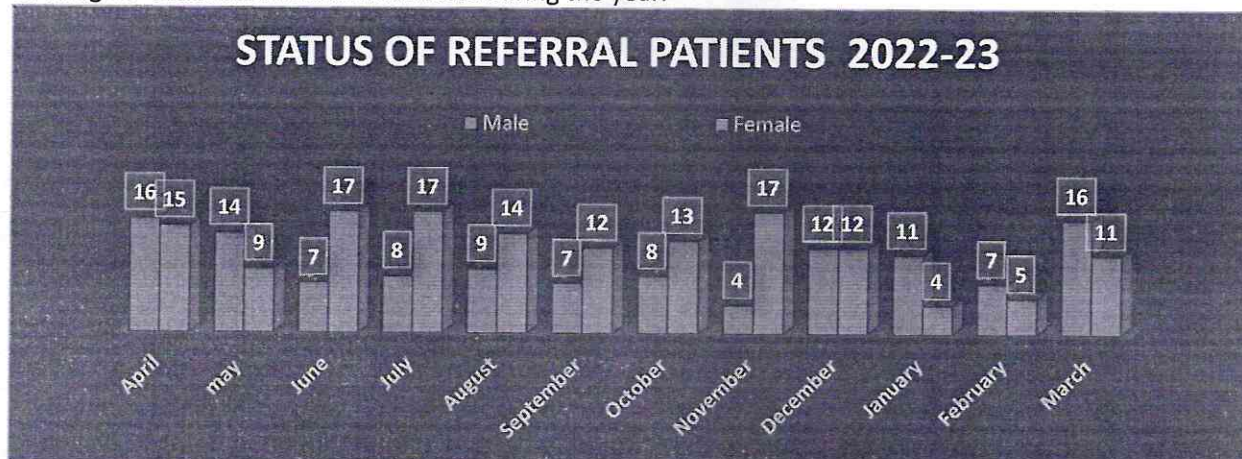
Corporate Social Responsibility of APNRL has been in place which intends to be in line with the CSR provisions of Companies Act, 2013 and the Company (CSR Policy) Rules. CSR activities undertaken by APNRL are in conformity with the activities specified in Schedule VII of the Companies Act, 2013.

APNRL has implemented a number of CSR initiatives for the community living in and around its Plant, in the areas of **Education, Health, Sanitation, Rural Development, Skill Development, Environmental sustainability, Women Empowerment, Promotion of sports, arts & culture** etc. The focus area wise developmental activities report is as follows:

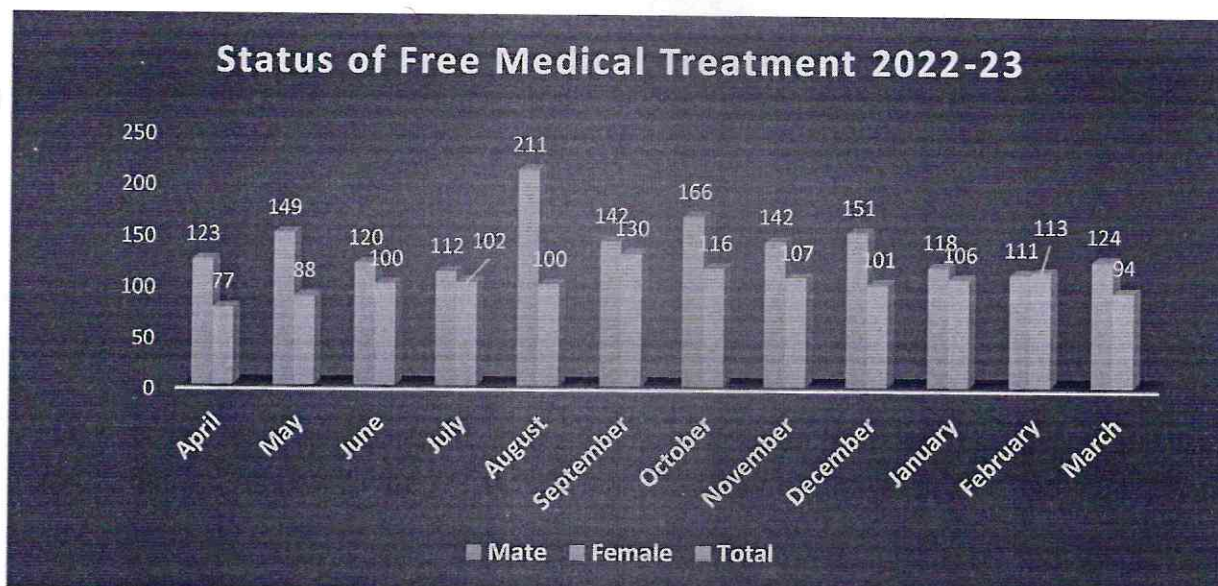
HEALTH & SANITATION



24x7 ambulance facility has been providing to the villagers of peripheral village for better treatment. 265 of villagers' availed ambulance facilities during the year.



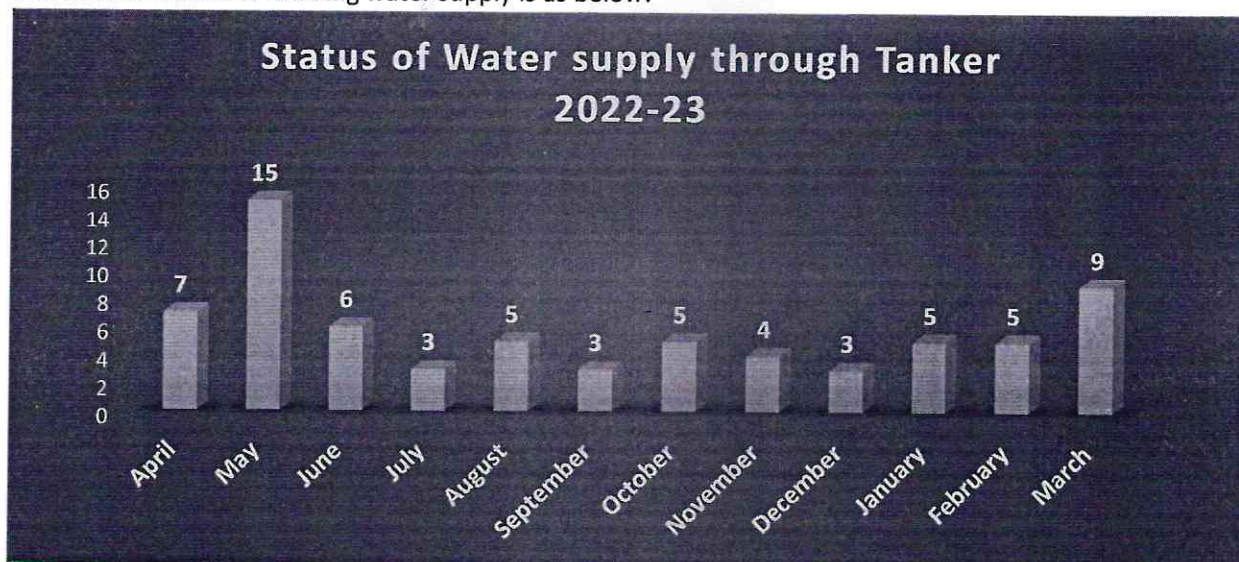
Free Medical Facilities: Provide free medical treatment at Dispensary , APNRL, Padampur. 2903 of villagers availed the free medical facilities following months.



Drinking Water Supply: The drinking water provided to villagers through water tanker towards meeting the need of drinking water and other related water use during their social functions. The **objectives** of supply of drinking water to the villagers were as follows:

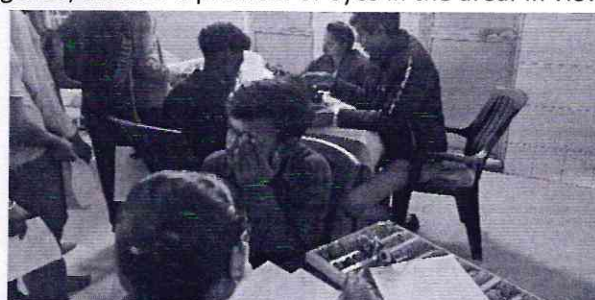
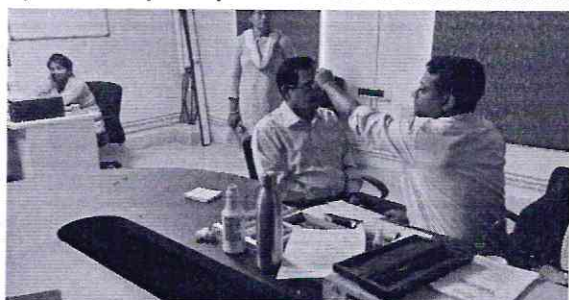
- To meet the drinking need of villagers
- To meet the needs of water related other use(s) during water scarcity situation in villages.

The detailed status of drinking water supply is as below:



Statistics show that there was excess water supply in the month of May '22 due to stoppage of overhead water supply at Mahadevpuram, Padampur and rest of the month, we attended to his needs during family gatherings.

Eye check-up camp Due to lack of information and negligence, there is a problem of eyes in the area. In view



of this, a free eye check-up camp was jointly organized by Adhunik Power and Natural Resources Limited, Padampur and Purnima Netralaya, Tamoliya on different dates over all about 500 villagers including employees and drivers availed the check-up facilities so that they awaked of their eye health. One special eye camp organised for vehicle drives. The main objective of this camp was to make truck drivers aware of eye health as they are often always on long journeys so it is very important to ensure that they do not have any vision impairment. This will change the life of many truck drivers, they will take more initiative towards preventing accidents. Glasses / spectacles were provided to 10 selected truck drivers in collaboration with Purnima Netralaya.



Health Awareness Program: Antenatal care (ANC) provides monitoring and regular follow-up of maternal and fetal health during pregnancy. Women with appropriate ANC tend to have better delivery and birth outcomes. As per the survey report showed that ANC status in the Jharkhand are very poor due to lack of adequate medical facilities and awareness.

ANC status in Jharkhand

Indicator	Urban	Rural	Total
1 st Trimester (1-ANC)	76.2	66.2	68
At least 4- ANC	48.5	36.4	38

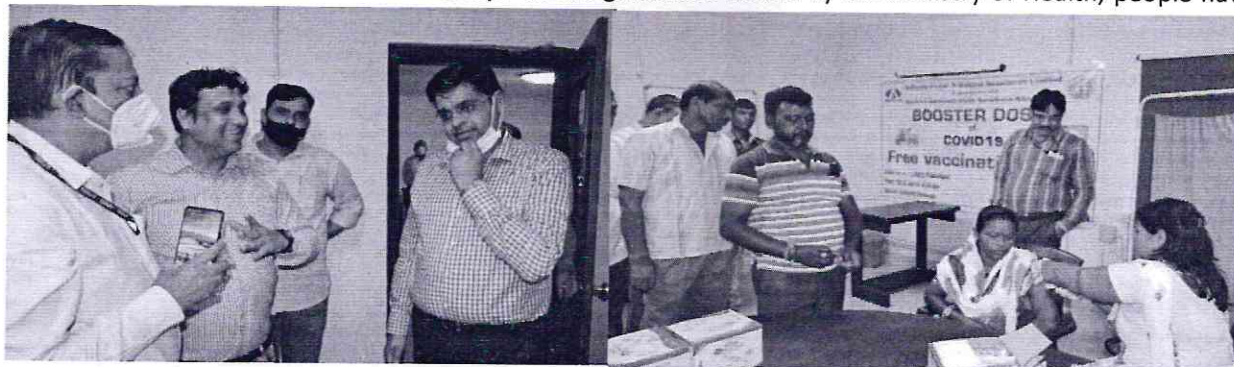
Source-National Family Health Survey 2019-21 (NFHS-5)

The pregnancy period is important for the health and well-being of pregnant women and their babies. Keeping this in mind, **APNRL and ICDS Jointly organized a Godh bharai** function in regular basis at Anganwadi Centers of Badahariharpur, Bikanipur & Padampur respectively for pregnant women to encourage the good health and healthy living through the nutrition education as the malnutrition is the main obstruction to the National Development, on that day the women of the village bless the pregnant woman and also give some things like



thali, apple, banana, bangle, bindi etc. and also discussed on importance of safe delivery, birth preparation, supplementary food and supplementary food, vaccination. Due to which a healthy child is born.

COVID-19 Booster Dose Vaccination Camp: In the guidelines issued by the Ministry of Health, people have



been instructed not to go to crowded places. Have been asked to wear masks. At the same time, it has also been said that those who have not got the booster dose till now, should get the vaccine as soon as possible. Keeping in mind the guidelines issued by Govt. covid-19 booster dose vaccination camps were organized at plant premises on 19.7.2023 and 30.8.2023 with the support of District Health Department, Saraikela-Kharsawan. It is necessary to increase antibodies to fight corona virus, for this we need to take booster dose as well as need to be careful even after getting the vaccine because corona virus has started again, said by Shri Sachin Agarwal, APNRL during camp. 100% of employees and most of the villagers were covered for vaccination due to camps.

World Anti-Tobacco day 2022: World Anti-Tobacco Day was started because millions of people die every year around the world due to tobacco use and abuse. World Health Organization (WHO) member states introduced

World No Tobacco Day (WNTD) in 1987. On the occasion of "World Anti-Tobacco day 2022", Adhunik Power & Natural Resources Limited, Padampur organized a Signature campaign to raise awareness among the people



against bad effect of tobacco in human body. **Signature campaign** initiated at company campus by employees with message writing on display board.

Spraying and distribution of bleaching powder: During rainy session the health of the people in the villages around the plant is a major concern as most of the diarrhoea cases were found in the previous year only during the rainy season.



The main reason for diarrhoea is polluted water and unhygienic conditions around the village as well as lack of information among the people about prevention of diarrhoea.

Keeping this in mind, the CSR department of APNRL showed its solidarity by running a health awareness campaign in Badahariharpur from 02.08.2022, which continued in the villages of Padampur, Srirampur, Chhotahariharpur and Bikanipur.

In continuation, bleaching powder was sprayed in drains, wells and waterlogged areas with the help of village volunteers as well as bleaching powder was also provided to the villagers to avoid various diseases caused by dirt and mosquitoes etc. This program is being run with the aim of controlling diarrhoea, malaria and water borne diseases.



Tuberculosis elimination Program: Tuberculosis / TB remains a major public health problem in India. Every year more than 2 million people die from tuberculosis worldwide and most of the cases of them die in India alone. At present tuberculosis needs to be seen and tackled not only as a medical or even a public health problem but also as a social problem. With this in issue India is aiming to eliminate TB from the country by 2025. On September 9, 2022, the Hon President of India launched a very ambitious mission – “Pradhan Mantri TB Mukta Bharat Abhiyan” (PMTBMBA). Through the PMTBMBA there was a call to all the stakeholders to come forward and adopt TB patients in their geographies and become Nikshay Mitra of the patients by providing nutritional support to them for at least six months.

APNRL, Supporting the National Program on TB Elimination and becomes Nikshay Mitra: Looking at the TB



problem, the APNRL through its CSR has adopted 100% patients in the five Panchayats of their catchment area. The panchayats included in the PMTBMBA were Dugdha, Jaspur, Rapcha, Dumra, and Kandra of the Gamhariya block of the Saraikela-Kharsawan District. On 6 January 2023, APNRL provided nutritional food packets to all 20 patients in the presence of District/Block Health Officers, which will be provided to 20 TB patients every month.

Strategic plan workshop on TB-free panchayat as a model panchayat: A strategic plan workshop on TB free Panchayat was organized on 15.2.2023 at Dugdha Panchayat Bhavan, Dugdha in collaboration with Dugdha Gram Panchayat.



Representatives of various villages, PRI members, Anganwadi workers, health workers, SHGs and NGOs of the panchayat participated in the workshop and took a pledge to make the panchayat TB free as a model panchayat. State Representative TB Cell, Ranchi Sri. Diwakar Sharma- The Union, State Representative TB Cell Sri P. N. Mishra, Mukhiya Mohan Baskey, Panchayat representative Laxmi Murmu, Medical Officer Dr. G. P. Murmu, OHC, APNRL, CSR head Sri Sanjeet Sinha, Sri Anil Sardar, Sri Potri Hansda, Senior Technical Supervisor-CHC, Gamharia etc. were also present in the workshop. In the workshop, a one-year action plan was prepared.

Food Distribution cum awareness program: Every month Adhunik Power & Natural Resources Limited, Padampur organised a Food Distribution cum Awareness program with support of Community Health Center (CHC), Gamharia.

On 11.3.2023, Sri Amal Baidya –GM of Adhunik Power adopted a patient in the nutrition distribution ceremony organized by Adhunik Power at CHC, Gamharia, who is from Didli Basti of Adityapur. He became the first person in Gamharia block, through which gram, tur dal, soya-bean, daliya, oats,



oil were given to the patient and APNRL provided 20 sets of food to TB patients in the presence of Regional Dy. Director – Health Dept., GOJ, MOIC, Tech. Supervisor (TB program), Gamharia, GM-APNRL, AGM-CSR-APNRL STS, and others block officials. During program Regional Dy. Director praised him for his work and also appealed to the people to come forward and help the poor TB patients. APNRL committed that next month 30 more patients will be given nutrition food, in this way total 50 TB-patient will be given nutrition food.

TB awareness Program cum Food Distribution: A TB awareness program organized on 7.2.2023 at Dugdha

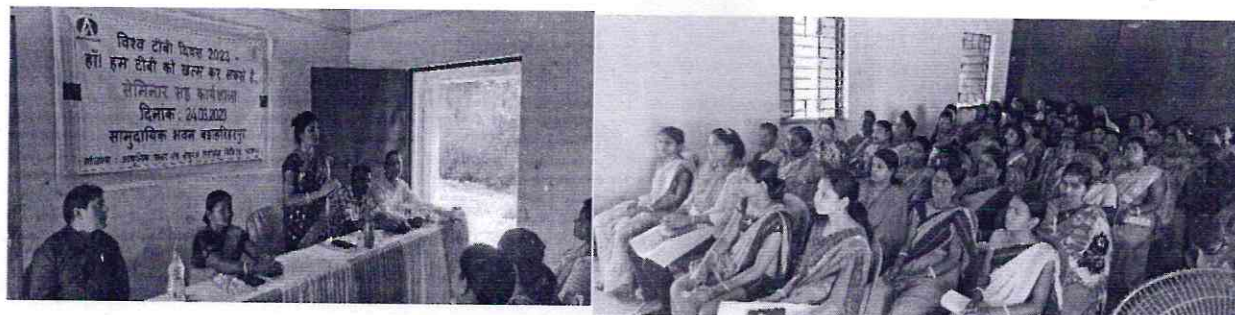


Gram Panchayat, Dugdha, in coordination and support with TB cell -CHC, Gamharia, about 50 women including patients participated from different villages of Dugdha Gram Panchayat, Dugdha including Sri. Mohan Baskey, Mukhiya, Sri Potel Hansda-STS (TB cell), CHC, Gamharia, Sri. G. P. Murmu (Head-Medical Services), Mr. Sanjeet Kumar Sinha, AGM(CSR) APNRL, facilitated the session. Nutritional food basket

was also provided to selected 20 TB patients in the presence of Mukhiya Sri Mohan Baskry and Potel Hansda STS-TB cell, Gamharia, Dr. G.P.Murmu, APNRL. The food basket is consisted of dry protein-rich ration like- grams, lentils, oats, daliya, refined oil, moog and multivitamins tablets for a month. Which will be provided every month to TB Patients.

Seminar cum workshop on TB Elimination: A Seminar cum workshop organized on the occasion of World TB day at Badahariharpur, this year the theme of World TB Day 2023 is Yes! We can end TB! – aims to inspire hope and encourage high-level leadership to Tackle the TB Epidemic. About 120 women participated from different villages of Badahariharpur, Srirampur, Padampur, Bikanipur and Hariharpur. Sri. Sujeet Kumar –Sr. Pharmacist, Sri Potel Hansda-STS (TB cell), CHC, Gamharia, Smt. Vimola Tirky Ex. LEO Cum Block Welfare

Office, Smt. Laxmi Murmu –Panchayat Committee Member-Dugdha and Mr. Sanjeet Kumar Sinha, AGM(CSR) APNRL facilitated the session.



WOMEN EMPOWERMENT & LIVELIHOOD

Self Help Group (SHG) Meeting: - Every Month the SHG members meeting were organized in Chotahariharpur; Srirampur; Padampur, Badahariharpur, Bikanipur, Balidih. Members participated and discussed regarding repayment of loan and also discussed in personal hygiene.

The objectives of Self Help group meeting were as under:

- i) To explore the functional aspects of SHGs in promoting micro saving and inter loaning activities.
- ii) To increase social cohesiveness among the members of women Self-Help-Group.

Agarbatti Making by Swarsati Mahila Samiti, Kandra: The members of Swarsati Mahila Samiti, Chotahariharpur engaged in Agarbatti making as their livelihood. CSR team is facilitating the group in marketing to achieve their aim.

Phenyl Making Training for SHG Members of Kulupatangga, Gamharia: To promote sustainable livelihoods for poor and vulnerable groups like rural women, a one-day phenyl making training program was organized on 12 October 2022 at Kulupatangga, Gamharia block. This initiative has been taken by Adhunik Power & Natural Resources Limited (APNRL), Padampur under its Corporate Social Responsibility towards capacity building and livelihood promotion. Approximately 35 women had participated from 5- Self Help Group (SHG) of Kulupatangga.



Mr. Jawahar Mahali, Ex-Mukhiya-Rapcha, Gamharia welcomed all the participants and thanked them for joining the training session. He said that women group will marketing of phenyl which will contribute in their income.

Training on Kitchen Garden, Badahariharpur: To promote sustainable livelihoods for poor and vulnerable groups like rural women, CSR department organized a Kitchen garden training program was held on 16.11.2022 at Conference Hall, Community Center, Badahariharpur to provide fresh vegetables rich in nutrients to their families throughout the year kitchen garden in villages and create a feeling of

satisfaction and enjoyment in harvesting fruits of one's own hard work and labour for fresh vegetables rich in nutrients to their families throughout the year.
Dr. Kiran Singh Sr. Scientist KVK, Seraikela -



Kharsawan. Dr. Kiran facilitated the training. Altogether 30 women from different villages like Badahariharpur, Chhotahariharpur and Padampur participated in the program. Seasonal vegetable seeds and splining were also distributed among the participants at the end of the session.

EDUCATION

Project CYBER VILLAGE: Self sustainable Project: Under the guidance of CSR team-APNRL, Dugdha Gram Panchayat, Dugdha is making the youth of the village skilled in computer knowledge through Self Sustainable Project Cyber Village located at Badahariharpur. Where computer education is being given since last 6 years to village youths.

The **objectives** of the **Project CYBER VILLAGE** were as under:

- To make village youths/students computer literate for their pursuit of better career in future.
- To make villagers aware of the importance of information revolution through internet.

The detailed status of the **Computer Literacy Centre**:

S. No.	Center	Center Wise Enrollment Status of Village Youths			Subjects Taught
		Male	Female	Total	
1	Badahariharpur	12	9	21	MS Office/ Tally/ Internet
	Total	12	9	21	

English coaching classes: As you known that CSR department of Adhunik Power and Natural Resources Limited (APNRL) has always been empowering the rural youth to lead a life with lasting social recognition through various training programs. On 2.6.2022 we started English coaching class in the Computer Centre, Badahariharpur for those village youth who have attended computer classes in the centre. Mrs. Rina Gupta, Faculty said that English is a major element of everyone's life today. English has that value which helps to make people valuable and full of knowledge.



Transport Facilities for matric examinee: About 10 youths availed transport facilities during matric exam. of peripheral village.

Certificate distribution: Certificate distribution ceremony was organized for passed out students under self-sustainable project Cyber Village at Community hall, Badahariharpur. Sri Mohan Baskey-Mukhiya, Sri Anil Kumar Soni, Sri Sanjeet Sinha, Sri Baljeet Sansoa, Sri Anil Sardar, Smt. Ambika Mahato and all the students of Cyber Village were present in the ceremony.

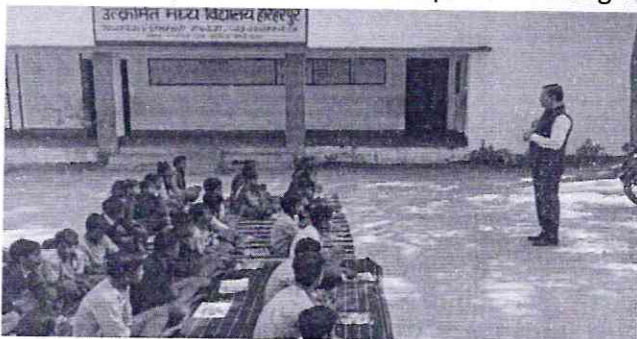


Bus facilities: Bus facility has been providing to girl students of peripheral village for higher education at Jamshedpur. About 40 villages girl students are availing the bus facilities.

Awareness program on higher education at Govt. middle school, Padampur: The CSR Department of Adhunik Power Natural Resources Limited, Padampur organized an awareness program on Higher Education for the passed out students of class VIII on 3rd sept. 2022 at Campus of GOVT. MIDDLE SCHOOL, PADAMPUR. The program started with a motivational speech by the Principal of the school, Ms. Joba Mandal. After that Mr. Sanjeet Kumar Sinha and Mr. Anil Sardar gave a speech about the future prospects and shared their experiences that inspired them to pursue higher studies. About 30 students including teachers, Sanjeet Kumar Sinha-APNRL and Anil Sardar-APNRL were participated this Program. Teachers and the Students of the school had been a great support to make the event successful.



Drawing competition: Skill development among local children is the prime objective of our CSR activities. To fulfill this purpose, CSR Team organized the Inter School drawing competition was held on 12.12.2022 on the occasion of Energy Conservation week 2022. Total 65 students participated in drawing competition from different Govt. Schools like Badahariharpur, Padampur and Srirampur. Drawing competition organized at two levels, first one was for class 1st to class 5th and



another one was for class sixth and above. In which 3 best students from each group were selected in school wise by the judging member.

During the prize distribution Sri Arun Kumar Mishra, CEO congratulated each of the participants for their participation as well as their effort. He assured them that time to time CSR department is going to organize this kind of competition at village level to improve the skill as well as develop their positive thinking regarding our society.

New Enrollment/ Admission in AWC for pre-school education: We know that pre-primary studies are given



to children from three to five years old in Anganwadi centers. Children studying in pre-school education in Anganwadi centers also get the benefit of MDM i.e. mid-day meal. These children not need to bring bags and books and are taught through many games and sports activities. Child whose age 3yrs was enrolled in the Anganwadi center, all the children welcomed him

as well as the education material was given by CSR Head-APNRL.

Sports & Culture:

Sports & Cultural Programme at Padampurpur: Every Year Dibu Kishun Memorial Club, Padampur organised three-day event of sports and culture program on the occasion of Independence Day (15th August 2022) at Padampur Ground. The programme motivates the local youths to gather at a place with team spirit and it promotes the rural sports activity in the area. Similarly, this year the major events were Football Tournament, Chaw Nitya, Murga Larai, Mena Bazar etc. 32- boy's football team and 4 junior team participated in football tournament from nearby villages of Saraikela Kharsawan District. More than 20000 people came to see it as if the people of the whole city had come here.

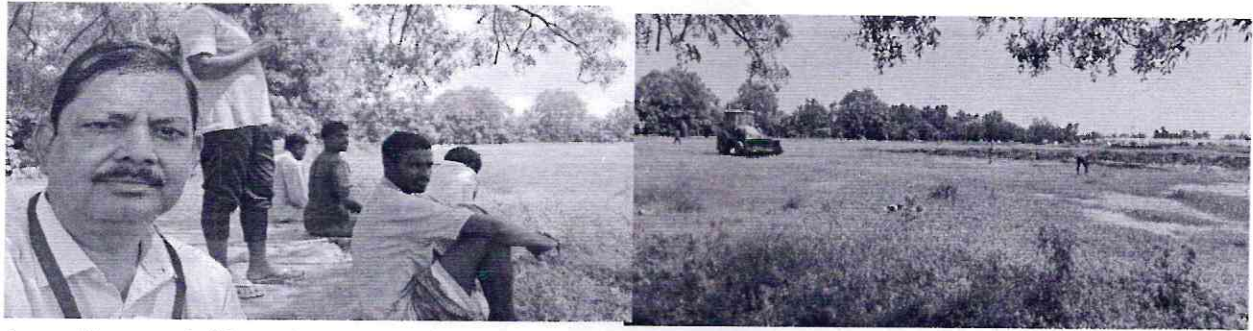


Sports and Adiwasi kalyam Minister of Jharkhand Sri Champai Soren was present during the program, which



increased the excitement in the sports. He thanked the program's Organizers for a peaceful game. Adhunik Power & Natural Resources Limited, Padampur facilitated with financial support and other required resources like medical team, ambulance service, preparations for making playground ready, cleaning of sites etc. CEO of Adhunik Power Sri Arun Kumar Mishra, Head HR Sri Anil Kumar Soni and Sanjeet Kumar Sinha-CSR also joined this program and motivated to organizers and volunteers.

Ground preparation and grass cutting:



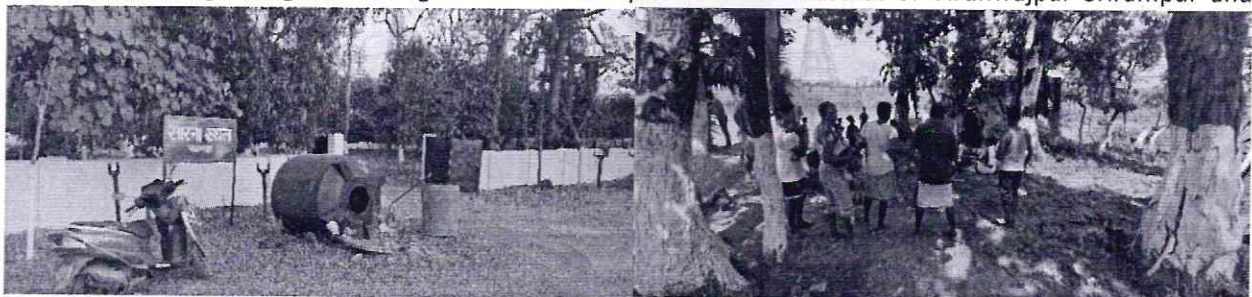
A meeting was held on 19.9.2022 with village youths regarding ground preparation and grass cutting where two days' football and cultural program will be held on 8 and 9 October 2022. In 21.9.2022 the CSR team along with the villagers visited the site and found that there is needs of leveling of ground and also requirement of grass cutting. CSR team provided JCB from 24.9.2022 to 26.9.2022 to level the land. The villagers are overjoyed when the work is done and they thank the company very much for their cooperation.

World Tribal (Indigenous) Days 2022: As you know the United Nations declared 1994 the year of World Tribal (Indigenous) Days. Thus, on 9 August 1995, World Tribal (Indigenous) Day was organized for the first time. Every year on 9th August "World Tribal (Indigenous) Day" is celebrated to raise awareness and protect the



rights of tribal. Population. In this regard, an awareness sammelan was organized by committee Pindrabera . The company had provided necessary resources like preparation of playground, cleaning of sites, drinking water facilities etc. as well as financial assistance to the village committee. About 2000 people from different villages of Gamharia block participated in the program.

White washing, painting and cleaning work at Sarnaasthal, Vidhwajpur Srirampur and Padampur: White washing, painting and grass cutting works was completed at **Sarnaasthal** of Virdhwajpur Srirampur and



Padampur, where Puja was performed in the month of March 2023 with traditional method and also wished God for good rain, good harvest. Along with this, wishes were also made to God for the prosperity and development of the region.

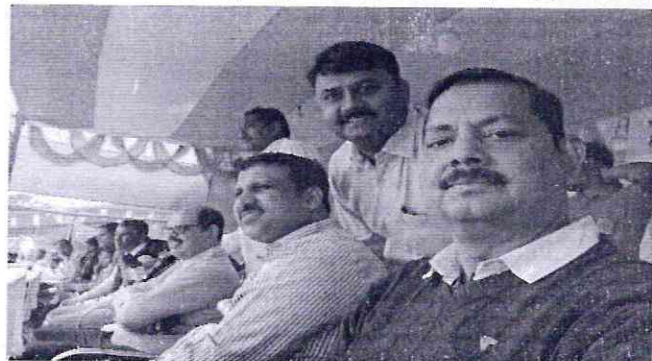
Sarhul Puja, Padampur: Sarhul festival is one of the most popular tribal festivals, which is celebrated every year all over Jharkhand. The new year begins with Sarhul festival. It is a ritualistic and traditional act of the villagers. We celebrated Sarhul Puja on 5th March, 2023 with the villagers of Padampur, Bikanipur and Balidih. In which more than 600 population of different villages participated. The traditional folk dance was inaugurated by Sri Arun. K. Mishra, CEO Adhunik Power & Natural Resources Limited, Padampur as chief guest. He encouraged the organizers, Sri Krishan Baskey- Gram Pradhan, Padampur, Sri Ramdas Tudu, Sri Indro Murmu, and participants for their laudable performance. Dr. G.P.Murmu-DGM, Sri Arjun Singh – Security Head and Mr. Vikash Kumar- Admin were also presented.



Adhunik Power & Natural Resources Limited, Padampur is playing a vital role in promoting the traditional culture of the local communities, APNRL provided finance support to the villagers of Padampur in Sarhul Puja and also helped in cleaning, mowing and whitewashing at Saransthal and Jahirasthal.



Sports and Culture program, Badahariharpur_2023: Every Year Adiwasi Avan Akhara, Hariharpur-Srirampur committee organizes a Sports and culture program on the occasion of Republic Day 26.1.2023 at Badahariharpur Ground of Gamharia Block, Saraikela-Kharsawan. The program motivates the local youths to gather at a place with team spirit and it promotes the rural sports activity in the area. Similarly, this year the major events Football Tournament, Folk Dance, Murgalarai etc. were conducted. Adhunik Power & Natural Resources



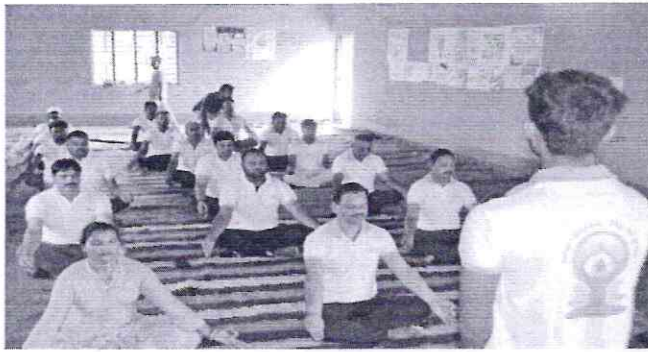
Limited, Padampur facilitated with financial support and other required resources like medical team, ambulance service, drinking water facilities, preparations for making playground ready, cleaning of sites etc.

On behalf of the company, Sri Rajesh Sharma –VP Finance, Sri Anil Soni-GM- HR, Sri Sanjeet Sinha, AGM-CSR and Sri Vikas Kumar, Jr. Executive encouraged the members of the committee by being present during event.



OTHER

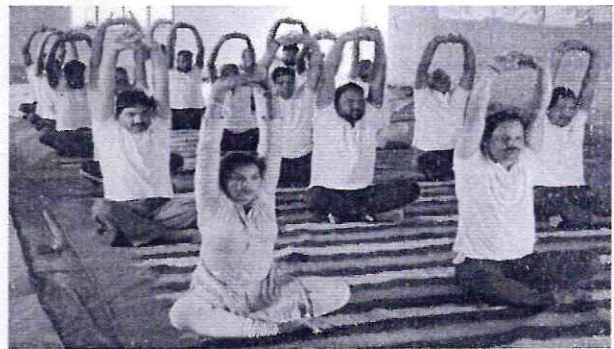
International Yoga Day, 2022: A few minutes of Yoga during the day can be a great way to get rid of stress



that accumulates in both the body and mind. Yoga postures, Pranayama and meditation are effective techniques to release stress. Meditation is Relaxation which gives calm mind, good concentration and Rejuvenation of the body and mind etc. In view of this, Adhunik Power & Natural Recourses Limited, Padampur organized a special yoga session on the occasion of the 8th edition of International Day of Yoga on June 21'2022 with the theme 'Yoga for Humanity' in our plant premises for employees and villagers.

Yoga is an ancient ascetic practice originated in India that combines physical, mental and spiritual pursuits to achieve harmony of the body and mind.

The sessions which started at 7.30 am was carried out under the guidance of the yoga instructor Mr. Ashish Ranjan. About 50 employees including contract employees were performed yoga. All the participants followed the instructions enthusiastically with the objective of incorporating the goodness of Yoga into their own lives. Asanas in standing, sitting as well as laying postures were performed. Pranayam and other breathing exercises were performed followed by the prayer.

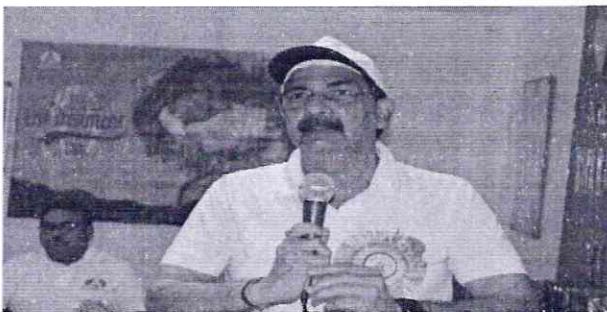


After the conclusion of the Yoga session, Sri M.N. Singh Head O&M-APNRL said that the importance of yoga and emphasized physical exercise in daily life.

Sri Anil Kumar Soni- Head-HR, APNRL said that every year yoga programs are organized in the company premises for the employees as well as the villagers who are physically fit and mentally strong so that they can carry out their daily activities can and live a happy life.

Vote of thanks given by Sanjeet Kumar Sinha-Head-CSR, APNRL.

World Environment Day 2022: Adhunik Power & Natural Resources Limited, Padampur observed the World Environment Day on 5.6.2022 at plant premises and created awareness about importance of environment and plantation. Senior Officers of the company planted sapling on this occasion.



APNRL observed the World Environment Day (WED) at plant premises. The programme was initiated through the plantation of tree by CEO Sri Arun Kumar Mishra inside the premises of the company.

Rally was flag on by Sri Arun Kumar Mishra and about 200 employees were moving from plant premises to Pindrabera vs Kandra Bus Stand and loudly say all the slogans which are written in placards. Security and supervisory employee take-care the cycle riding people because it was a busy road.



Virdhwajpur-Bikaner road clear: Adhunik Power & Natural Resources Limited, Padampur is playing an important role in improving the socio-economics conditions of local communities around which the company is operative. The villagers of Virdhwajpur-Bikaner held several meeting with the CSR team regarding overhead tank and big peepal tree has fallen on the road. Simultaneously, it was decided that a written application in this regard by the villagers should be given to the company.

On 1.7.2022 an application has been received from villagers of Virdhwajpur-Bikaner, CSR team paid a visit to the site along with the villagers and found that an overhead tank has damaged and big peepal tree has fallen on the road during the cyclone near Mahadeopuram due to which people are facing a lot of trouble in commuting.

The Overhead tank was installed through the Panchayat (Government), so it can be repair only after talking to the Panchayat-Mukhiya or authorize person.

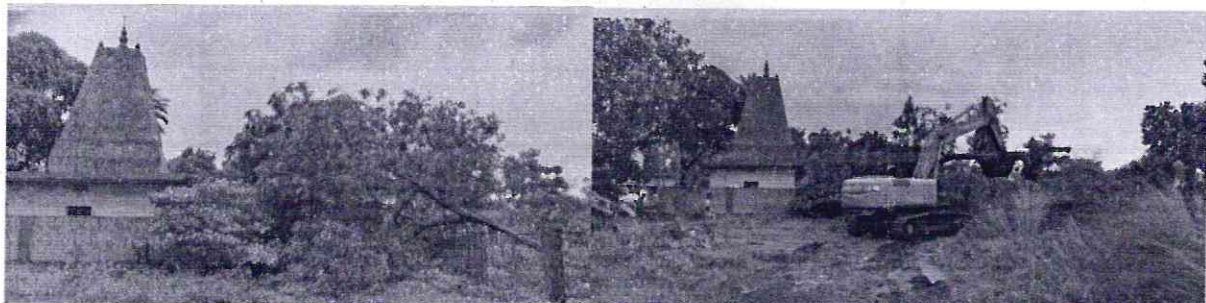


In view of the above, the company has provided JCB and tree cutter to clear the road on July 6, 2022, due to which the tree was removed from the road with a hard effort of 4 hours. Villagers are very happy with this work and they thanked the company very much for their cooperation.

CSR department of Adhunik Power & Natural Resources Limited, Padampur is playing an important role for community development.

The villagers of Bahadariharpur held a meeting regarding big Neem tree has fallen on the village road near Shiv Mandir, Badahariharpur. In 20.8.2022 the CSR team along with the villagers visited the site and found that due to heavy rains the neem tree had fallen on the road, causing lot of inconvenience to the people in commuting.

In view of the above, CSR provided Poclain Machine from the Logistics Department for tree removal, due to



which the tree was removed on 21st August, 2022 from the road with a hard effort of 2 hours. Villagers are very happy with this work and they thanked the company very much for their cooperation. We appreciate them for this noble work.

Azadi ka amrit Mahatsav: Har Ghar Tiranga' was a campaign under the aegis of Azadi Ka Amrit Mahotsav to encourage people to bring the Tiranga home and to hoist it to mark the 75th year of India's independence, in this regards the CSR team of Adhunik Power & Natural Resources Limited was given 25000 tricolor flags on 6.8.2022 to the Deputy Commissioner of Seraikela- Kharsawan in presence of Superintendent of Police Sri Anand Prakash, Deputy Commissioner, Sri Subodh Kumar, Additional SP Sri Purshotam Kumar etc.



From roadside decorations to people's homes, vehicles and establishments, the tricolor was waving all over the country. Wherever we went, our tricolor was seen waving proudly everywhere. In view of this, Adhunik Power and Natural Resources Limited, Padampur hoisted the flag among the school children and villagers and also organized rally at Badahariharpur on 13.8.2022.

CELEBRATE TEACHERS DAY 2022: CSR Team of Adhunik Power Natural Resources Limited, Padampur had celebrated teacher's day on 5th sept. 2022 at GOVT. MIDDLE SCHOOL, BADAHARIHARPUR. Sanjeet Kumar Sinha - CSR said that all the famous people have become famous due to the path direction of the teachers, we should always respect the teachers, they are the builders of our future.

Sri Anil Sardar and Sanjeet Kumar Sinha has jointly given memorable gift to the respective teachers during the function. Shri Harendra Pathak, Principal said that this day is dedicated to the second President of India, Dr. Sarvepalli Radhakrishnan, his birthday is celebrated as Teacher's Day. He was great academician philosopher and one of the most well-known diplomats, scholar president of India. We celebrate Teachers' day every year throughout the country on 5th September. About 150 students including teachers, Sanjeet Kumar Sinha-APNRL and Anil Sardar-APNRL were participated this function.

The program was started by the Garlanded of the second President of India, Dr. Sarvepalli Radhakrishnan, then it was followed by Cultural Programme performed by students. The Teachers Day was celebrated in form of formal get-together, with



their students who managed to make the day memorable for their teachers. The celebration was also marked by songs and dances by students showing their gratitude towards their teachers. During the program all the students were given packets of biscuits. Teachers and the Students from the respective school had been a great support to make the event successful.

APNRL is on the way to creating a model TB Free Panchayat:

India is aiming to eliminate TB from the country by 2025. The Prime Minister of India has made a clarion call



towards the multi sectoral engagement to eliminate TB from the country 5 years ahead of the sustainable goals. In line, a meeting was organized on 24th of January 2023 with senior officials of The International Union and State consultant of the World Health Organization's (WHO) at conference room, APNRL, to making the APNRL area TB-free workplace and surroundings.

The meeting was attended by –

1. Md Shadab- Sr. Manager, The Union, New Delhi
2. Ms. Tripti Agarwal, Technical Advisor, The Union, New Delhi
3. Mr. Diwakar Sharma State Technical Advisor, Jharkhand, Ranchi
4. Dr. Rajeev Ranjan Pathak- WHO State Consultant NTEP Jharkhand, Ranchi
5. Dr. G.P.Murmu, Medical Officer APNRL
6. Mr. Sanjeet Sinha- Head CSR APNRL

Media

नेत्र जांच शिविर आयोजित कर आधुनिक पावर ने दी संस्थापक को श्रद्धांजलि

गढ़वा, 13 मई (सिस्टीम): आधुनिक पावर एंड नेचुरल रिसोर्सेज लिमिटेड, पदमपुर ने नेत्र जांच शिविर आयोजित कर आधुनिक रूप के संस्थापक स्व.0 महादेव प्रसाद अग्रवाल की उनकी 20वीं पुण्यतिथि पर श्रद्धांजलि दी। शिविर में कुल 49 कर्मचारियों और ग्रामीणों की नेत्र जांच की गई। इस दौरान पुर्णिमा नेत्रालय के चिकित्सक राजनीकांत महातो, मोहम्मद सबीर सुखी प्रिया सिंह आदि ने सहयोग किया। इस मौके पर कंपनी के मुख्य कार्यकारी अधिकारी (सीईओ) अरुण कुमार मिश्रा, सलाहकार राकेश गुप्ता एवं मानव संसाधन प्रमुख अनिल कुमार सोनी ने शिविर में उपस्थित होकर लोगों को प्रेरित किया। इससे पूर्व कंपनी के कर्मचारियों और अधिकारियों ने कंपनी के संस्थापक स्व.0 महादेव प्रसाद अग्रवाल की मूर्ति पर श्रद्धांजलि अर्पित किया। साथ ही, दो मिनट का मौन रख उनकी आत्मा की शांति के लिए प्रार्थना की।



हमारे पूर्व कर्मचारी के कर्मचारियों और अधिकारियों ने कंपनी के संस्थापक महोदय अग्रवाल की उनकी पुण्यतिथि पर उनकी और उनके परिवार को सादा सादा भोजन करी उनकी मूर्ति पर श्रद्धांजलि अर्पित किया। कंपनी के सीईओ अरुण कुमार मिश्रा, सलाहकार राकेश गुप्ता ने मूर्ति पर श्रद्धांजलि किया। इस अवसर पर दो मिनट का मौन रख उनकी आत्मा की शांति के लिए प्रार्थना की गई।

नेत्र जांच शिविर आयोजित कर आधुनिक पावर ने दी संस्थापक को श्रद्धांजलि



गढ़वा(प्रभात मंत्र सञ्चारदाता): आधुनिक पावर एंड नेचुरल रिसोर्सेज लिमिटेड, पदमपुर की ओर से नेत्र जांच शिविर आयोजित कर आधुनिक रूप के संस्थापक स्व.0 महादेव प्रसाद अग्रवाल की उनकी 20वीं पुण्यतिथि पर श्रद्धांजलि दी गई। शिविर में कुल 49 कर्मचारियों और ग्रामीणों की नेत्र जांच की गई। इस दौरान पुर्णिमा नेत्रालय, जमशेदपुर के संयुक्त तत्वाधान में आयोजित निःशुल्क शिविर में कुल 49 कर्मचारियों और ग्रामीणों की नेत्र जांच की गई। इस दौरान पुर्णिमा नेत्रालय के चिकित्सक राजनीकांत महातो, मोहम्मद सबीर सुखी प्रिया सिंह आदि ने सहयोग किया। इस मौके पर कंपनी के मुख्य कार्यकारी अधिकारी (सीईओ) अरुण कुमार मिश्रा, सलाहकार राकेश गुप्ता एवं मानव संसाधन प्रमुख अनिल कुमार सोनी ने शिविर में उपस्थित होकर लोगों को प्रेरित किया। इससे पूर्व कंपनी के कर्मचारियों और अधिकारियों ने कंपनी के संस्थापक स्व.0 महादेव प्रसाद अग्रवाल की मूर्ति पर श्रद्धांजलि अर्पित किया। साथ ही, दो मिनट का मौन रख उनकी आत्मा की शांति के लिए प्रार्थना की।

दो माह बाद बीटघानपुर में आवागमन हुआ शुरू



गढ़वा, राध्या पंचायत के बीटघानपुर गांव में दो माह बाद युवाओं के प्रवास से बालों का परिचालन शुरू हुआ। परिचालन शुरू होने से लोगों ने राहत महसूस किया। समाजसेवी पागो सरकार ने बताया कि गांव में बालों के जालों-पानों से गांव का विकास पुर्ण सोलर जलमीनार के ऊपर हो गया था। इससे जालमीनार पुरी तरह से क्षतिग्रस्त हो गया, जबकि गांव के बीच सड़क पर फिर जालों से गांव में प्रवेश करने के लिए आवश्यक पूर्ण तरह से क्षतिग्रस्त हो गया। युवाओं की स्थायीता युवाओं द्वारा आधुनिक कंपनियों के सहयोग से एक गांव की बीच सड़क से हटाकर आवागमन सामान्य कराया गया। इस मौके पर अनिल सरकार, गांवतीर सिंह सरकार, पागो सरकार, नरहरि सरकार, राजेश सिंह सरकार आदि युवा शामिल थे।

प्रभात सञ्चार Thu, 07 July 2022
https://epaper.prabhatkhabar.co

आधुनिक पावर ने नेत्र जांच शिविर में 55 टुक चालकों सहित 77 हुए लाभान्वित



गढ़वा(प्रभात मंत्र सञ्चारदाता): कंपनी के पदमपुर स्थित आधुनिक पावर एंड नेचुरल रिसोर्सेज लिमिटेड कंपनी परिसर में आयोजित निःशुल्क नेत्र जांच शिविर में 55 टुक चालकों और 22 कर्मचारियों ने शिविर का लाभ उठाया। सोलर पावर की कंपनी के स्वस्थ और 'जीवनशैली' में कुल मिलाकर 77 लोग लाभान्वित हुए। पुर्णिमा नेत्रालय, जमशेदपुर के संयुक्त तत्वाधान में आयोजित निःशुल्क शिविर में कुल 55 टुक चालकों और 22 कर्मचारियों ने शिविर का लाभ उठाया। सोलर पावर की कंपनी के स्वस्थ और 'जीवनशैली' में कुल मिलाकर 77 लोग लाभान्वित हुए। पुर्णिमा नेत्रालय, जमशेदपुर के संयुक्त तत्वाधान में आयोजित निःशुल्क शिविर में कुल 55 टुक चालकों और 22 कर्मचारियों ने शिविर का लाभ उठाया। सोलर पावर की कंपनी के स्वस्थ और 'जीवनशैली' में कुल मिलाकर 77 लोग लाभान्वित हुए।

ਮਾਸਕਾ ਨਕੁਤ | ਸ਼ਹੀਦੀ

A black and white photograph of four men standing behind a large banner. The banner has the text "SAY NO TO TOBACCO MAY 2007" at the top. Below this, there is a list of names and a large, stylized graphic of a cigarette. The men are dressed in casual shirts and trousers. The background is a plain wall.

यह साबित होता है कि मराठीभाषी पर्यावरण और स्वास्थ्य के लिए कितना आवश्यक है। अधिकारियों, कर्मचारियों के अलावा मजदूरों ने भी नशा के खिलाफ हस्ताक्षर जागरूकता अभियान में हिस्सा लिया।

संसारकेवलः । आधुनिक पश्चर एंड नेबुलार सिस्तेम लिमिटेड के कामकाजीय य अधिकांशकाल ने सोमवार को निम्न पंचांगवर दिवस धूमधमासे प्रमत्ताः । इस वृत्तः के कामकाजीय ने एक विशाल सांस्कृतिक प्रेक्षी निम्नलिखित विषय अस्ते हुए अरु लोको को भी प्रेरित किता । लगभग 165 सांस्कृतिक सवाते ने कांकिने के रूप में सांस्कृतिक यलाकर पंचांगवर के प्रति आभुकरकता का संदेश दिता । आधुनिक पश्चर के कामकाजीय ने अनेकानेक आशीष के गांठ के प्राप्तिने ने भी प्रतीति में यद्-यद् कर दिहसा लिखा । सांस्कृतिक में सखी सांस्कृतिक सवाते ने पंचांगवर मुन के लिए नर भी लभ्यः भूयः ।

कार्कसकी अधिकारी अरुण कुमार मिश्रा ने हरी जंडी दिखाकर साफ़कालीन तरीके को रखा। इस कार्कसिने ने चार फ्लिपट्रिप के द्वारा हस्ते हुए पोम्बोवॉल सेटल लोगों के बीच पहुँचाया। प्रफुल्लित साफ़कालीन समारोह ने पूरे उत्तराल के साथ फलकनपुल्लियाँ दिखाई दीं। पूरी की। उत्तराल उत्तराल कार्कसकी अधिकारी अरुण कुमार मिश्रा ने अन्य कार्कसियों ने पदधिकारियों के कार्कसों परितः में सुख रूप से पीछीरुण किया। इस उत्तराल में कम्पनी में कुल 365 पौरे हुए। पौरे कुल 250 पौरे को ग्रामीणों के बीच बाँटे गए ताकि वे भी उन पौरों को रोपण कर उनकी दिवालता भी कर सकें। इस अरुण पर जोरित

हृष्ट। सोचोने में कहा की हमारी सामग्री को जिनकी को प्रत्यक्ष हमारे द्वारा प्रभावित कर रहा है, हमें इसी निमित्त अपने की आलस्यता को। इसके लिए हमें और पैर-पों की का सहाय्य करना अति आवश्यक है। इस मौके पर कर्मचारियों के अधिकारियों ने सुशोभित कर प्रकृति की हवा-धारा रम्य तथा पर्यावरण सहाय्य की शायद ही। कार्यक्रम का संचालन व व्यवस्था प्रमाण पर्यटन विभाग के कमिश्नर कुमार शर्मा ने किया जबकि धन्यवाद स्तम्भ माध्यम संचालन प्रमुख अतिथि कुमार सोहन ने किया तथा अंतर्गत सभी से आग्रह किया कि प्रत्येक सदस्य कम से कम दम ही अवश्य लायक।

जमशेदपुर 07-08-2022

अधिकांश आगंतुकों का अनुगत मोहोत्सव पत्र 13 से 15 अप्रैल तक चलने वाले केंद्र सभाका के हर घर लिंग अभियान के तहत आयुर्विज्ञान पावर एंड नेचुरल रिसोर्सेज लिमिटेड कंपनी ने जिला प्रशासन को पब्लिसि हवाय लिंग शृंग सीमा। राखिवर को आदित्यपुर और ककरा प्रेक्षागृह में आयुर्विज्ञान पावर एंड नेचुरल रिसोर्सेज लिमिटेड कंपनी के महाप्रबंधक (लाइसेंसिंग) अरुण कुमार और सीएमओ एवं विभाग के संजीत मिश्रा ने डीसी अथवा राजकुमार को खरीदी ध्वज सीमा।



जमशेदपुर। आधुनिक पावर एंड नेचुरल रिसोर्सेज लिमिटेड, पदमपुर कंपनी परिसर में 55 टुकड़ चालकौ व 22 कर्मचारियों ने एक दिवसीय निःशुल्क नेत्र जांच शिविर का लाभ उठाया। सोमवार को कंपनी के स्वास्थ्य केंद्र हजीयनदायिनीड में कुल मिलाकर 77 लोग लाभान्वित हुए।

सुनिर्मा नेतात्व, लाभोपार्जन के जीवन से रूखीकॉत पहलते, मोहभंग साहाय्यही, श्रुतिमानी और राधिका व्यास की देखरेख में लागूगएरुएरु शक्ति में निश्चय और पर टुका चलचको की अमर्निज कति गवा हा लोक वे अपनी ओकी स्वायत्त के प्रति समर्पण रहे। आधुनिक पावर के सीएलएर प्रमुख संजीत सिन्हा ने बताया कि इस शक्ति का मुख्य उद्देश्य टुका चालकों को नेत्र स्वायत्त के प्रति जागरूक करना था क्योंकि वे अनसर लम्बी-लम्बी बालाओं पर हमला रहे। इसलिए यह सुनिश्चित करना अत्यंत आवश्यक है कि उन् कोई छेद न हो। इससे अनेक टुका चालकों का जीवन बदलेगा, वे दुर्घटना रोकने की दिशा में और अधिक पहल करेंगे। संजीत सिन्हा ने बताया की कुछ सुनिश्चित टुका चालकों की निश्चित तिथि का है कि जिनके जल्द ही उन् चम्मा भी प्रदान किया जायेगा। इस अवसर पर सभी लोग कल्लेजों की पार्श्व पर भी प्रिया गया।

आधुनिक पॉपर्स रॉड मोबिलिटी
डिस्टेंस लिमिटेड, पटना पर
ऑटो से हुआ आलोकन

GAMHARIA (8 June) भारतीय
पोरबंद के मुख्य निवासियों के विरोध में
समस्या के मुख्य कार्यकारी अधिकारी
अनुराग कुमार शर्मा ने कहा कि अपने
सहवासकों में भारतीयों को शोषण को
प्रभावित करने पर नहीं जानें कि भारत
में भी अपने अंतर्गत अंतर्गत
सुविधा को बनाए रखें।
इससे विरोध करने वाले विचार
समस्या के ही नहीं कार्यकारी को
वे भारतीयों को शोषण को
कामों के कार्यकारी को अधिकारी को
वे ही भारतीय को शोषण को अधिकारी को
शोषण को शोषण को शोषण को शोषण को



● ਜੀਤ ਸਾ ਹੀਰੂ ਕਰਨੀ ਏ ਤਰੀ

केन्द्रों के छात्रों ने अत्यधिक उत्साह के साथ कार्यक्रम में भाग लिया। कार्यक्रम के अंत में सभी छात्रों को प्रशिक्षण के लिए प्रोत्साहित किया गया।

को समझा दिया, हम जानकर भी
आर बिजलीघर के पास जाने हुए
वर्षाकालीन अदेल रोडों के पथ
पहुँचाया, प्रमुखितया साक्षित
समयों ने पूरी उल्लास के साथ
सम्भवतयापूर्व निर्धारित मुद्दे पूरी
थी, इनके अलावा मुख्य कार्यालयों
अधिकारी तथा अन्य कार्यवाही

[illegible]

बड़-पड़ पट्ट हिस्सा लिया
दल नेताओं ने आधुनिक पावर के

इस अवसर पर कर्ण के ने-
कता कि हमारी संतानों की
की अनुपम सुरी वरुण प्रशिक्षित
रहा है, हमें इससे निश्चित क-
अवसर प्राप्त है, इससे निश्चित

प्रमुख कदम उठावित
जल और पैदल-चौकी का उपयोग करके प्रति अलापक है. इन चौकी पर कार्यरतों को व अधिकारियों ने नियंत्रण का प्रयोग कर रहा-भारत राज्य के जल प्रशासन सरकार की

राज्य में, पर्यटकों का आवागमन व
संरक्षण के लिए पर्यटन विभाग का
कार्यवाही सुचारु रूप से चल रहा है।
संरक्षण के लिए राज्य सरकार द्वारा
अनेक सुधार ली गई हैं।

नेत्र जांच शिविर आयोजित कर आधुनिक पावर ने दी संस्थापक को श्रद्धांजलि



गम्हरिया (प्रभात मंत्र संवाददाता): आधुनिक पावर एंड नेचुरल रिसोर्सेज लिमिटेड, पदमपुर की ओर से नेत्र जांच शिविर आयोजित कर आधुनिक रूप के संस्थापक स्व० महादेव प्रसाद अग्रवाल की उनकी 20वीं पुण्य तिथि पर श्रद्धांजलि दी गई। कंपनी की डिस्पेंसरी 'जीवनदायिनी' में शुक्रवार को आधुनिक पावर एंड नेचुरल रिसोर्सेज लिमिटेड और पुर्णिमा नेत्रालय, जमशेदपुर के संयुक्त तत्वाधान में आयोजित नेत्र जांच शिविर में कुल 49 कर्मचारियों और ग्रामीणों की नेत्र जांच की गई। इस दौरान पुर्णिमा नेत्रालय के चिकित्सक रजनीकांत महतो, मोहम्मद सबीर सुब्री प्रिया सिंह आदि ने सहयोग किया। इस मौके पर कंपनी के मुख्य कार्यकारी अधिकारी (सीईओ) अरुण कुमार मिश्रा, सलाहकार राकेश गुप्ता एवं मानव संसाधन प्रमुख अनिल कुमार सोनी ने शिविर में उपस्थित होकर लोगों को प्रेरित किया। इससे पूर्व कंपनी के कर्मचारियों और अधिकारियों ने कंपनी के संस्थापक स्व० महादेव प्रसाद अग्रवाल की नमन करते उनकी मूर्ति पर श्रद्धासुमन अर्पित किया। साथ ही, दो मिनट का मौन रख उनकी आत्मा की शांति के लिए प्रार्थना की।

यक्ष्मा रोगियों के बीच दवा एवं पौष्टिक आहार का वितरण

गम्हरिया, 12 मार्च (रिपोर्टर)

आधुनिक स्वास्थ्य केंद्र में यक्ष्मा रोगियों को दवाएं व पौष्टिक आहार का वितरण किया गया। आधुनिक पावर एंड नेचुरल रिसोर्सेज लिमिटेड एवं आधुनिक स्वास्थ्य केंद्र के संयुक्त तत्वाधान में यक्ष्मा रोगियों के लिए दवाओं को अग्रिमता कार्यक्रम में बांटे जा रहे हैं।



कार्यक्रम में उपस्थित लोगों पर दिशांक व अन्य.

इस अवसर पर स्वास्थ्य विभाग के क्षेत्रीय उप निदेशक डॉ. धर्मा सिंह ने कहा कि यक्ष्मा से ग्रस्त लोगों को दवा से सफल किया जा सकता है। इसके लिए समय पर चिकित्सा के साथ दवा खानी है।

चिकित्सा अंश में प्रोडेंट मिस्र, नर्सिंग एवं डिप्लोमा राहु है। केन करने में लग में रहने की क्षमता बढ़ती है। इससे ग्रस्त हैं। इसमें मुक्ति पा सकते हैं। आधुनिक स्वास्थ्य केंद्र प्रभात में

प्रतिभा कुमारी ने स्वास्थ्य के प्रति जागरूक करने की अंतर्गत की। आधुनिक पावर के चैंसलर अशोक अग्रवाल ने कहा कि यक्ष्मा रोग से 30 और लोगों को योग्यता दिया जाएगा। इस तरह कुल 50 लोगों को आधुनिक पावर को जोर दिया जा रहा है।

एवं उनका को दवाओं की फार्मास्यूटिकल कम्पनी ने मरीजों को दवा देने के आधुनिक ताल, एकत्रित व उनका के को में बनाया।

इस अवसर पर दिशांक वरुण के एक मरीज को आधुनिक प्रलेख में चेहरे लेकर उनके स्वास्थ्य के निम्नोपरी छात्रों, मरीजों वरुण, आरत को दवा, मोचकरी, दवाएं, डॉ. जॉर्ज रिफ पा. मोरालास के एडोलेन संकेत निशान ने बताया कि अंतर्गत यक्ष्मा से 30 और लोगों को योग्यता दिया जाएगा। इस तरह कुल 50 लोगों को आधुनिक पावर को जोर दिया जा रहा है।

महिलाओं को मिला फिनायल उत्पादन का प्रशिक्षण



गम्हरिया, 12 अक्टूबर (रिपोर्टर): सीएल ग्रामीण कौशल विकास केंद्र की ओर से आधुनिक पावर प्लॉट के नेतृत्व में कुलपटांगा आदिवासी महिला समूह को फिनायल उत्पादन का प्रशिक्षण दिया गया। प्रशिक्षण में काफी संख्या में महिलाएं उपस्थित थीं। इस अवसर पर केंद्र के संचालक डॉ. परमानंद मोदी एवं आधुनिक पावर प्लॉट के सीएसआर हेड संजीत कुमार ने बताया कि महिलाओं को आत्मनिर्भर बनाने के लिए प्रशिक्षण दिया जा रहा है। इस अवसर पर समाजसेवी एवं पूर्व मुखिया जवाहर लाल माहली, बिट्टू बलिहार मुख्य रूप से उपस्थित थे। ट्रेनर के रूप में श्याम सुंदर कुमार साह की ओर से प्रशिक्षण दिया गया। प्रशिक्षण में 40 महिलाएं उपस्थित थीं।

आधुनिक पावर कंपनी में चला कोविड रोधी वैक्सीन के बूस्टर डोज टीकाकरण का अभियान

जिले की घटती कंपनी डिलने बूस्टर डोज का शिविर लगाकर किया जागीर्नी को लाभान्वित

गम्हरिया, 12 अक्टूबर (रिपोर्टर)

आधुनिक पावर प्लॉट के नेतृत्व में कुलपटांगा आदिवासी महिला समूह को फिनायल उत्पादन का प्रशिक्षण दिया गया। प्रशिक्षण में काफी संख्या में महिलाएं उपस्थित थीं। इस अवसर पर केंद्र के संचालक डॉ. परमानंद मोदी एवं आधुनिक पावर प्लॉट के सीएसआर हेड संजीत कुमार ने बताया कि महिलाओं को आत्मनिर्भर बनाने के लिए प्रशिक्षण दिया जा रहा है। इस अवसर पर समाजसेवी एवं पूर्व मुखिया जवाहर लाल माहली, बिट्टू बलिहार मुख्य रूप से उपस्थित थे। ट्रेनर के रूप में श्याम सुंदर कुमार साह की ओर से प्रशिक्षण दिया गया। प्रशिक्षण में 40 महिलाएं उपस्थित थीं।



इस अवसर पर स्वास्थ्य विभाग के क्षेत्रीय उप निदेशक डॉ. धर्मा सिंह ने कहा कि यक्ष्मा से ग्रस्त लोगों को दवा से सफल किया जा सकता है। इसके लिए समय पर चिकित्सा के साथ दवा खानी है।

चिकित्सा अंश में प्रोडेंट मिस्र, नर्सिंग एवं डिप्लोमा राहु है। केन करने में लग में रहने की क्षमता बढ़ती है। इससे ग्रस्त हैं। इसमें मुक्ति पा सकते हैं। आधुनिक स्वास्थ्य केंद्र प्रभात में

प्रतिभा कुमारी ने स्वास्थ्य के प्रति जागरूक करने की अंतर्गत की। आधुनिक पावर के चैंसलर अशोक अग्रवाल ने कहा कि यक्ष्मा रोग से 30 और लोगों को योग्यता दिया जाएगा। इस तरह कुल 50 लोगों को आधुनिक पावर को जोर दिया जा रहा है।

इस दौरान कर्मचारी को आर से नायक समेत अन्य उपस्थित थे.

महिलाओं को मिला फिनायल उत्पादन का प्रशिक्षण



गम्हरिया, 12 अक्टूबर (रिपोर्टर): सीएल ग्रामीण कौशल विकास केंद्र की ओर से आधुनिक पावर प्लॉट के नेतृत्व में कुलपटांगा आदिवासी महिला समूह को फिनायल उत्पादन का प्रशिक्षण दिया गया। प्रशिक्षण में काफी संख्या में महिलाएं उपस्थित थीं। इस अवसर पर केंद्र के संचालक डॉ. परमानंद मोदी एवं आधुनिक पावर प्लॉट के सीएसआर हेड संजीत कुमार ने बताया कि महिलाओं को आत्मनिर्भर बनाने के लिए प्रशिक्षण दिया जा रहा है। इस अवसर पर समाजसेवी एवं पूर्व मुखिया जवाहर लाल माहली, बिट्टू बलिहार मुख्य रूप से उपस्थित थे। ट्रेनर के रूप में श्याम सुंदर कुमार साह की ओर से प्रशिक्षण दिया गया। प्रशिक्षण में 40 महिलाएं उपस्थित थीं।

मरीजों के बीच पौष्टिक आहार का वितरण

गम्हरिया सामुदायिक स्वास्थ्य केंद्र के सहयोग से आधुनिक कंपनी ने सामाजिक दायित्व के तहत उक्त क्षेत्र के चिन्हित टीबी मरीजों के बीच पौष्टिक आहार सामग्री दिये। वरीय चिकित्सा पर्यवेक्षक पटेल हासदा ने आहार सेवन की जानकारी दी।

Wed, 08 February 2023
प्रभात खबर <https://epaper.prabhatkhe>



LIST OF LOCAL EMPLOYEES OF APNRL

Sl.No.	Employee_Co de	Employee_Name	Cadre
1	00302223	Arun Kumar Mahato	High Skilled
2	00302236	Rajen Kumar Tudu	High Skilled
3	00302386	Budhram Baskey	High Skilled
4	00302387	Ajit Mahato	High Skilled
5	00302393	Bijay Baskey	High Skilled
6	00302436	Rajaram Baskey	High Skilled
7	00302462	Rajesh Kumar Mahato	High Skilled
8	00302503	Raju Tudu	High Skilled
9	00302506	Ruhi Ram Majhi	High Skilled
10	00302510	Santosh Mardi	High Skilled
11	00302516	Rajesh Mahato	High Skilled
12	00302517	Mohan Lal Mahato	High Skilled
13	00302518	Sumit Kumar Mahato	High Skilled
14	00302519	Tapan Kumar Mahato	High Skilled
15	00302520	Bibhishan Mahato	High Skilled
16	00302521	Suku Murmu	High Skilled
17	00302522	Bimal Kumar Mandal	High Skilled
18	00302524	Vikram Baskey	High Skilled
19	00302525	Mangal Besra	High Skilled
20	00302526	Bir Singh Hembram	High Skilled
21	00302527	Gopal Hembrom	High Skilled
22	00302529	Durga Hembrom	High Skilled
23	00302530	Suren Baskey	High Skilled
24	00302532	Budheswar Baskey	High Skilled
25	00302533	Karan Hembrom	High Skilled
26	00302534	Umesh Tudu	High Skilled
27	00302550	Birdhan Baskey	High Skilled
28	00302574	Anil Sardar	High Skilled
29	00302604	Sohan Kisku	High Skilled
30	00302605	Dilip Kisku	High Skilled
31	00302606	Rabindra Nath Majhi	High Skilled
32	00302607	Mokra Murmu	High Skilled
33	00302608	Lakhiram Tudu	High Skilled
34	00302384	Lal Mohan Mahato	High Skilled
35	00302610	Jiten Hansda	High Skilled
36	00302611	Jiten Sardar	High Skilled
37	00302612	Ashok Kumar Mahato	High Skilled
38	00302613	Mangal Majhi	High Skilled
39	00302614	Sagram Tudu	High Skilled
40	00302615	Sunil Kumar Tudu	High Skilled
41	00302616	Ganesh Mahato	High Skilled
42	00302617	Sachin Kumar Tudu	High Skilled
43	00302618	Alok Mahato	High Skilled
44	00302619	Rakesh Kumar Mahato	High Skilled
45	00302620	Chhotray Majhi	High Skilled
46	00302622	Govind Majhi	High Skilled
47	00302495	Anita Mahato	High Skilled
48	00302602	Sarla Majhi	High Skilled
49	00302237	Bangal Majhi	Skilled
50	00302430	Laxman Baskey	Skilled
51	00302493	Surajmani Baskey	Skilled
52	00302507	Dilip Kumar Mahato	Skilled



Institute for Environmental Management

Accredited by Jharkhand State Pollution Control Board, JSPCB
National Accreditation Board for Testing Laboratory (NABL) vide TC-11515
Certified By ISO 9001:2015 (QMS) & ISO 45001:2018



Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	0	4	7																	
Discipline:	Chemical									Group: Pollution & Environment									Sub-Group: Waste Water																
Report Issue Date:	31-03-2023									Test Report No.:									RN-230320001WW02																
Sample ID:	230330PE02001									Sample Description:									Waste Water (ETP)																
Challan No./P.O. No.:	3030006457									Challan Date/P.O. Date.:									06-12-2022																
Issued to:																																			
ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																																			
Type of Industry:									Power Plant									Customer Representative:									Kamlesh Jha								
Sample Drawn by:									IEM Team									Sampling Date:									28-03-2023								
Protocol: CPCB Guideline & IS Method 3025 Part-01																																			
Sampling Location: ETP Outlet																																			
Field Meteorological Information									A. Temp.(°C): 28				R.H. (%): 61				W.C.: Clear				W.D.: NE - SW														
Sample Receiving date:						29-03-2023						Testing Started:						29-03-2023						Testing Ended:						31-03-2023					

---Test Result---

Sl. No.	Tested Parameters	Unit	Method No.	Limits	Results
1.	pH value at 25°C	----	IS 3025 (Part-11)	5.5 to 9.0	7.69
2.	Total Suspended Solids (TSS)	mg/l	IS 3025 (Part-17)	100	26.0
3.	Chemical Oxygen Demand (COD)	mg/l	IS 3025 (Part-58)	250	12.0
4.	Phosphate (as PO ₄)	mg/l	IS: 3025(Part-31)	--	0.58
5.	Copper	mg/l	APHA 3111 B.2017	--	BDL (MDL - 0.2)
6.	Chromium	mg/l	APHA 3111 B.2017	--	BDL (MDL - 0.04)
7.	Zinc	mg/l	APHA 3111 B.2017	--	BDL (MDL - 0.04)

---End of Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	As per the Environmental (Protection) Rule - 1986
Remark	Sample Comply with prescribed specification.

Tested By: Punya Harsit Dadel

Sample Drawn By: Rahul Kumar Singh & Team

Specific Contractual Notes:-

1. The laboratory accepts responsibility for content of this report.
2. This report shall not be reproduced except in full, without written approval of the MD.
3. This report is intended for only guidance and not for legal purpose or for advertisement.
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5. Total liability of Institute for Environmental Management will be limited to invoiced amount only.
6. In case of feedback/ complaints, please send an email at qm.iemeco@gmail.com

On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.

Quality Checked by

Authorized Signatory

Shreyasora

(Shreya Sonah)

Dy. Quality Manager

(S. C. Jain)

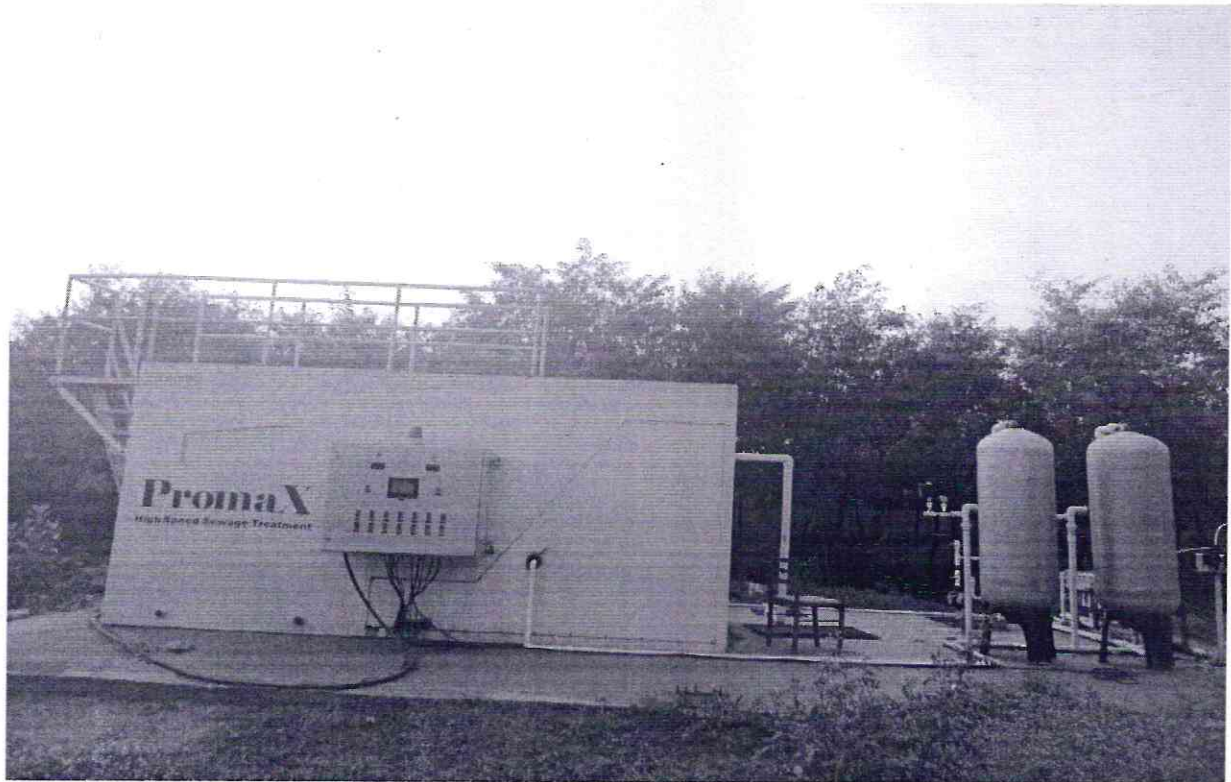
Director

Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

Laboratory Site - H.No. - A-13, Saket Vihar, Near Sohrai Bhawan, Harmu Housing Colony,
Ranchi-834002, Jharkhand, India

Ph - 8407804253, 8407804251, Email - iem2012@rediffmail.com

Sewage Treatment Plant





सत्यमेव जयते
भारत सरकार

Government of India

वाणिज्य और उद्योग मंत्रालय

Ministry of Commerce & Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसो)

Petroleum & Explosives Safety Organisation (PESO)

श्री मोहन, तीसरा फ्लोर, सिला कंपाउंड, मेन रोड, सुशीला ऑटोमोबाइल के पीछे

रांची- 834001

Sri Mohan, 3rd Floor, Sila Compound, 5 Main Road, Behind Sushila Automobiles,
Ranchi - 834001

E-mail : dycceranchi@explosives.gov.in

Phone/Fax No : 651 - 2332689, 2332690, 2332688

संख्या /No. : P/HQ/JH/15/1065 (P257355)

दिनांक /Dated : 24/02/2023

सेवा में /To,

M/s. Adhunik Power & Natural Resources Ltd.,
Village-Padampur, Behind PGCIL Substation,,
Adityapur-Kandra Road,,
Taluka: Adityapur(Gamharia),
District: SARAIKELLA KHARSWAN,
State: Jharkhand
PIN: 832105

24 FEB 2023

विषय /Sub : Plot No, Plot No. 161,, Behind PGCIL Substation adityapur, Kandra Road, Village- Padampur, Adityapur(Gamharia), Taluka: Adityapur (Gamharia), District: SARAIKELLA KHARSWAN, State: Jharkhand, PIN: 832402 में निम्नलिखित पेट्रोलियम वर्ग C अचिछन्न में अनुमति सं P/HQ/JH/15/1065 (P257355) के नवीकरण के संबंध में।
Existing Petroleum Class C Installation at Plot No, Plot No. 161,, Behind PGCIL Substation adityapur, Kandra Road, Village- Padampur, Adityapur(Gamharia), Taluka: Adityapur(Gamharia), District: SARAIKELLA KHARSWAN, State: Jharkhand, PIN: 832402 - Licence No. P/HQ/JH/15/1065 (P257355) - Renewal regarding.

महोदय /Sir
(s),

कृपया आपके पत्र क्रमांक OIN1307334 दिनांक 23/02/2023 का आभार ज्ञापन करें।

Please refer to your letter No.: OIN1307334, dated 23/02/2023

अनुमति संख्या P/HQ/JH/15/1065 (P257355) दिनांक 23/12/2011 को दिनांक 31/12/2026 तक नवीनीकृत कर इस पत्र के साथ आभार की जा रही है।

Licence No. P/HQ/JH/15/1065 (P257355) dated 23/12/2011 is forwarded herewith duly renewed upto 31/12/2026.

कृपया पेट्रोलियम नियम 2002 के अधीन बनाए गए नियम 148 में दी गई प्रक्रिया का बख्ताई से पालन करें। अनुमति के नवीकरण हेतु आवश्यक दस्तावेजों को अनुमति की वैधता समाप्त होने की तिथि से कम से कम 30 दिन पूर्व कार्यालय को प्रेषित करें।

Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence so as to reach this office on or before the date on which Licence expires.

कृपया सवती दें।

Please acknowledge the receipt.

भवदीय /Yours faithfully,

((आशेंद्रा सिंह))
(Ashendra Singh)

उप मुख्य विस्फोटक नियंत्रक
Dy. Chief Controller of Explosives
रांची/Ranchi

Note:-This is system generated document does not require signature.

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट: <http://peso.gov.in> देखें)

(For more information regarding status, fees and other details please visit our website: <http://peso.gov.in>)

पेज सं. 2

अनुमति संख्या-(Licence No.) P/HQ/JH/15/1065 (P257355)

सर्वोत्तीकरण के पुष्टीकरण के लिए स्थान
SPACE FOR ENDORSEMENT OF RENEWALS

पेट्रोलियम अधिनियम, १९३४ के उपबन्धों या उनके अधीन बनाए गए विधियों या इस अनुमति की शर्तों का उल्लंघन न होने की शर्तों पर यह अनुमति क्रिस्ट में बिना किसी फीट के इस वर्ष तक नवीकृत की जा सकती है।
 This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.

अनुमति की शर्तों का उल्लंघन न होने की शर्तों पर यह अनुमति क्रिस्ट में बिना किसी फीट के इस वर्ष तक नवीकृत की जा सकती है। This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.	नवीकृत की तारीख Date of Renewal	समाप्ति की तारीख Date of Expiry of license	अनुमति प्रदाता के हस्ताक्षर और स्थान Signature and office stamp of the licencing authority.
1).		31/12/2013	Sd/- PESO ADMIN
2).	23/09/2013	31/12/2018	Sd/- R.P. Singh Jt. Chief Controller of Explosives For Dy. Chief Controller of Explosives Ranchi
3).	18/02/2019	31/12/2022	Sd/- K. Thiagarajan Jt. Chief Controller of Explosives For Dy. Chief Controller of Explosives Ranchi
4).	24/02/2023	31/12/2026	Ashendra Singh Dy. Chief Controller of Explosives Ranchi

यदि अनुमति धारक इसमें उल्लंघन विवरण और शर्तों के अनुसार नहीं पाए जाते हैं और जिन नियमों और शर्तों के अधीन यह अनुमति मंजूर की गई है उनके से किसी का उल्लंघन होने की शर्तों पर यह अनुमति रद्द की जा सकती है और अनुमति धारक को अचारा के लिए साधारण कारावास से, जो एक मास तक हो सकता है, या जुर्माने से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और इसके पश्चातबर्त अचारा के लिए साधारण कारावास से जो दोन मास तक हो सकता है, या जुर्माने से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, दण्डनीय होगा।

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both.

Note:-This is system generated document does not require signature.



संघीय गणराज्य

भारत सरकार

Government of India

व्यवसाय और उद्योग विभाग

Ministry of Commerce & Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पेसो)

Petroleum & Explosives Safety Organisation (PESO)

श्री मोहन, 3rd Floor, Sita Compound, 5 Main Road, Behind Sushila Automobiles,

Ranchi - 834001

Sri Mohan, 3rd Floor, Sita Compound, 5 Main Road, Behind Sushila Automobiles,
Ranchi - 834001

E-mail : dycceranchi@explosives.gov.in

Phone/Fax No : 651 - 2332689, 2332690, 2332688

संख्या /No. : P/HQ/JH/15/1065 (P257355)

दिनांक /Dated : 24/02/2023

सेवा में /To,

M/s. Adhunik Power & Natural Resources Ltd.,
Village-Padampur, Behind PGCIL Substation,,
Adityapur-Kandra Road,,
Taluka: Adityapur(Gamharia),
District: SARAIKELLA KHARSWAN,
State: Jharkhand
PIN: 832105

24 FEB 2023

विषय /Sub : Plot No, Plot No. 161,, Behind PGCIL.Substation adityapur, Kandra Road, Village- Padampur, Adityapur(Gamharia), Taluka: Adityapur (Gamharia), District: SARAIKELLA KHARSWAN, State: Jharkhand, PIN: 832402 च निम्नलिखित पेट्रोलियम क्लास C अस्फोटक में अनुमति नं P/HQ/JH/15/1065 (P257355) के नवीकरण के संदर्भ में।
Existing Petroleum Class C Installation at Plot No, Plot No. 161,, Behind PGCIL.Substation adityapur, Kandra Road, Village- Padampur, Adityapur(Gamharia), Taluka: Adityapur(Gamharia), District: SARAIKELLA KHARSWAN, State: Jharkhand, PIN: 832402 - Licence No. P/HQ/JH/15/1065 (P257355) - Renewal regarding.

महोदय /Sir
(s),

कृपया आनकें पर तुरंत OIN1307334 दिनांक 23/02/2023 का अवगत करें।

Please refer to your letter No.: OIN1307334, dated 23/02/2023

अनुमति संख्या P/HQ/JH/15/1065 (P257355) दिनांक 23/12/2011 को दिनांक 31/12/2026 तक नवीकरित कर इस पर के कार्य अधिनियम की का रही है।

Licence No. P/HQ/JH/15/1065 (P257355) dated 23/12/2011 is forwarded herewith duly renewed upto 31/12/2026.

कृपया पेट्रोलियम नियम 2002 के अधिनियम 148 में दी गई प्रक्रिया का बख्तर से पालन करें। अनुमति के नवीकरण हेतु आवश्यक दस्तावेजों को अनुमति की वैधता समाप्त होने की तिथि से कम से कम 30 दिन पूर्व कार्यालय को प्रेषित करें।

Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence so as to reach this office on or before the date on which Licence expires.

कृपया वापसी करें।

Please acknowledge the receipt.

भवदीय /Yours faithfully,

((आशेंद्रा सिंह))

(Ashendra Singh)

उप मुख्य विस्फोटक नियंत्रक

Dy. Chief Controller of Explosives,
रंचि/Ranchi

Note:-This is system generated document does not require signature.

(अधिक जानकारी के लिए अवधान की विधि, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट: <http://peso.gov.in> देखें)

(For more information regarding status, fees and other details please visit our website: <http://peso.gov.in>)

HINDUSTAN PETROLEUM CORPORATION LIMITED

(A Government of India Enterprise)

QUALITY CONTROL LABORATORY

Visakh New Terminal

CONVENT JN.-SHEELANAGAR ROAD, BEHIND AIRPORT,

VISAKHAPATNAM-530014

TEST REPORT

Product : HP INDUSTRIAL DIESEL OIL

Customer / Supplier : NBOT-BONDED TANKS-PSD
Branch Plant
Source of Sample : TK105
Tank No : TK105
Qty of Sample/ : 1ltr uml / tk70/868.3 b.no.36/2019

Density/Type of Sample
Catg / Evnt / Actvty : Aft Receipt thru Dedicated P/L
Receipt/Despatch Mode :
Sample Drawn by : RAMAKRISHNA

Test Report No. : BFT/10835

Date of Sample Drawn : 20/07/19

Date of Sample Receipt : 21/07/19

Date of Sample Testing : 22/07/19

Date of Report : 22/07/19

Date of Printing : 22/07/19

JDE Sample Number : 865213

Batch No :

Test Line Number	Characteristics	Units	Test Method	Specifications		Result Value
				Min	Max	
5	DENSITY @ 15°C	Kg/m ³	IS 1446 (P:16)	-	-	867.8
6	KINEMATIC VISCOSITY @ 40°C	cSt	IS 1446 P:25	2,500	15,000	4,660
7	FLASH POINT - PMCC	°C	IS 1446 P:21	55	-	79
8	WATER CONTENT	% Vol	IS 1446 P:40	-	.250	.100
9	TOTAL SULPHUR	% Mass	ASTM D 4294	-	1.50	.47
10	POUR POINT-SUMMER	°C	IS 1446 P:10	-	21	3

Remarks:

Sample S.No.BFT/271 meets specification as per IS-15770:2008(Reaffirmed 2014) in the above parameters.

Appearance : Light Brown

- Notes :
- 1) The sample is drawn by client and results relate to sample tested
 - 2) The test report shall not be reproduced except in full without prior written approval of the Lab Incharge
 - 3) This test report shall not be used in any advertising media or as evidence in the Court of Law without prior written consent of Laboratory
 - 4) Test results reported are valid at the time of testing
 - 5) This is a system generated test report and hence does not require signature

Tested By: 35323320

VELAMURI DATTATREYA

Reviewed and Approved By: 35323320

VELAMURI DATTATREYA

*** END OF TEST REPORT ***

Page No.: 1 of 1



Institute for Environmental Management

Accredited by Jharkhand State Pollution Control Board, JSPCB
National Accreditation Board for Testing Laboratory (NABL) vide TC-11515
Certified By ISO 9001:2015 (QMS) & ISO 45001:2018



Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	0	4	9
Discipline: Chemical	Group: Atmospheric Pollution								Sub-Group: Ambient Noise Levels (Excluding Vibration)									
Report Issue Date: 31-03-2023									Test Report No.: RN-230320001N1									
Sample ID: 230330AP02001									Sample Description: Ambient Noise									
Challan No./P.O. No.: 3030006457									Challan Date/P.O. Date.: 06-12-2022									
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																		
Type of Industry: Power Plant									Customer Representative: Kamlesh Jha									
Sample Drawn by: IEM Team									Sampling Date: 27-03-2023 to 28-03-2023									
Protocol: CPCB Guideline & IS Method 9989:1981																		
Sampling Location: Near Sati steel																		
Field Meteorological Information			A. Temp.(°C): 28			R.H. (%): 61			W.C.: Clear			W.D.: NE - SW						
Sample Receiving Date: 30-03-2023					Testing Started: 30-03-2023					Testing Ended: 31-03-2023								

---Test Result---

Sl. No	Parameter	Method	Unit	Day Time		Night Time		Limits
				1 m	10 m	1 m	10 m	
1.	Equivalent Sound Level (Leq)	IS 9989:1981	dB(A)	54.4	53.8	47.3	46.7	D-75 N-70

---End of Reports---

Note: -

1. Day time shall mean from 6.00 a.m. to 10.00 p.m.
2. Night time shall mean from 10.00 p.m. to 6.00 a.m.
3. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.
4. dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
5. A "decibel" is a unit in which noise is measured. "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
6. Leq: It is an energy mean of the noise level, over a specified period.

Env. Condition of Lab.	Laboratory is maintaining Temperature $27 \pm 2^\circ\text{C}$ and Relative Humidity $65 \pm 5\%$ in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit
Limit is Specified	As per Noise Pollution (Regulation and Control) Rules - 2000
Remark	Sample Comply with prescribed specification.

Tested By: Akanksha Sourabh

Sample Drawn By: Rahul Kr Singh & Team

Specific Contractual Notes: -

1. The laboratory accepts responsibility for content of this report.
2. This report shall not be reproduced except in full, without written approval of the MD.
3. This report is intended for only guidance and not for legal purpose or for advertisement.
4. Any complaint about this report should be communicated in writing within 7 days of its issue.
5. Total liability of Institute for Environmental Management will be limited to invoiced amount only.
6. In case of feedback/ complaints, please send an email at qm.iemeco@gmail.com

On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.

Quality Checked by Environment Authorized Signatory

Shreya Sonah
(Shreya Sonah)
Dy. Quality Manager

S. C. Jain
Director

Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

Laboratory Site - H.No. - A-13, Saket Vihar, Near Sohrai Bhawan, Harmu Housing Colony,
Ranchi-834002, Jharkhand, India

Ph - 8407804253, 8407804251, Email - iem2012@rediffmail.com



Institute for Environmental Management

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National Accreditation Board for Testing Laboratory (NABL) vide TC-11515
Certified By ISO 9001:2015 (QMS) & ISO 45001:2018



Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	0	5	0
Discipline: Chemical	Group: Atmospheric Pollution								Sub-Group: Ambient Noise Levels (Excluding Vibration)									
Report Issue Date: 31-03-2023									Test Report No.: RN-230320001N2									
Sample ID: 230330AP02002									Sample Description: Ambient Noise									
Challan No./P.O. No.: 3030006457									Challan Date/P.O. Date.: 06-12-2022									
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																		
Type of Industry: Power Plant									Customer Representative: Kamlesh Jha									
Sample Drawn by: IEM Team									Sampling Date: 27-03-2023 to 28-03-2023									
Protocol: CPCB Guideline & IS Method 9989:1981																		
Sampling Location: Near Reservoir																		
Field Meteorological Information			A. Temp.(°C): 28			R.H. (%): 61			W.C.: Clear			W.D.: NE - SW						
Sample Receiving Date: 30-03-2023					Testing Started: 30-03-2023					Testing Ended: 31-03-2023								

Test Result

Sl. No	Parameter	Method	Unit	Day Time		Night Time		Limits
				1 m	10 m	1 m	10 m	
1.	Equivalent Sound Level (Leq)	IS 9989:1981	dB(A)	55.6	56.7	47.7	47.3	D-75 N-70

End of Reports

Note: -

- Day time shall mean from 6.00 a.m. to 10.00 p.m.
- Night time shall mean from 10.00 p.m. to 6.00 a.m.
- Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.
- dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- A "decibel" is a unit in which noise is measured. "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
- Leq: It is an energy mean of the noise level, over a specified period.

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit
Limit is Specified	As per Noise Pollution (Regulation and Control) Rules - 2000
Remark	Sample Comply with prescribed specification.

Tested By: Akanksha Sourabh

Sample Drawn By: Rahul Kr Singh & Team

Specific Contractual Notes: -

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without written approval of the MD.
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- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at qm.iemeco@gmail.com

On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.

Quality Checked and Authorized Signatory

Shreyas Sonali
(Shreyas Sonali)
Ranchi

Dy. Quality Manager

Director

Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

Laboratory Site - H.No. - A-13, Saket Vihar, Near Sohrai Bhawan, Harmu Housing Colony,
Ranchi-834002, Jharkhand, India

Ph - 8407804253, 8407804251, Email - iem2012@rediffmail.com



Institute for Environmental Management

Accredited by Jharkhand State Pollution Control Board, JSPCB
National Accreditation Board for Testing Laboratory (NABL) vide TC-11515
Certified By ISO 9001:2015 (QMS) & ISO 45001:2018



Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	0	5	1
Discipline: Chemical	Group: Atmospheric Pollution								Sub-Group: Ambient Noise Levels (Excluding Vibration)									
Report Issue Date: 31-03-2023									Test Report No.: RN-230320001N3									
Sample ID: 230330AP02003									Sample Description: Ambient Noise									
Challan No./P.O. No.: 3030006457									Challan Date/P.O. Date.: 06-12-2022									
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																		
Type of Industry: Power Plant									Customer Representative: Kamlesh Jha									
Sample Drawn by: IEM Team									Sampling Date: 27-03-2023 to 28-03-2023									
Protocol: CPCB Guideline & IS Method 9989:1981																		
Sampling Location: Near OHC																		
Field Meteorological Information			A. Temp.(°C): 28			R.H. (%): 61			W.C.: Clear			W.D.: NE - SW						
Sample Receiving Date: 30-03-2023					Testing Started: 30-03-2023					Testing Ended: 31-03-2023								

---Test Result---

Sl. No	Parameter	Method	Unit	Day Time		Night Time		Limits
				1 m	10 m	1 m	10 m	
1.	Equivalent Sound Level (Leq)	IS 9989:1981	dB(A)	59.3	50.8	46.3	44.9	D-75 N-70

---End of Reports---

Note: -

- Day time shall mean from 6.00 a.m. to 10.00 p.m.
- Night time shall mean from 10.00 p.m. to 6.00 a.m.
- Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.
- dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- A "decibel" is a unit in which noise is measured. "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
- Leq: It is an energy mean of the noise level, over a specified period.

Env. Condition of Lab.	Laboratory is maintaining Temperature $27 \pm 2^\circ\text{C}$ and Relative Humidity $65 \pm 5\%$ in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit
Limit is Specified	As per Noise Pollution (Regulation and Control) Rules - 2000
Remark	Sample Comply with prescribed specification.

Tested By: Akanksha Sourabh

Sample Drawn By: Rahul Kr Singh & Team

Specific Contractual Notes: -

- The laboratory accepts responsibility for content of this report.
- This report shall not be reproduced except in full, without written approval of the MD.
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- Any complaint about this report should be communicated in writing within 7 days of its issue.
- Total liability of Institute for Environmental Management will be limited to invoiced amount only.
- In case of feedback/ complaints, please send an email at qm.iemeco@gmail.com

On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.

Quality Checked by

Shreyas Sonal
(Shreyas Sonal)
Dy. Quality Manager



(S. C. Jain)
Director

Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

Laboratory Site - H.No. - A-13, Saket Vihar, Near Sohrai Bhawan, Harmu Housing Colony,
Ranchi-834002, Jharkhand, India

Ph - 8407804253, 8407804251, Email - iem2012@rediffmail.com



Institute for Environmental Management

Accredited by Jharkhand State Pollution Control Board, JSPCB
National Accreditation Board for Testing Laboratory (NABL) vide TC-11515
Certified By ISO 9001:2015 (QMS) & ISO 45001:2018



Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	0	5	2
Discipline: Chemical	Group: Atmospheric Pollution								Sub-Group: Ambient Noise Levels (Excluding Vibration)									
Report Issue Date: 31-03-2023									Test Report No.: RN-230320001N4									
Sample ID: 230330AP02004									Sample Description: Ambient Noise									
Challan No./P.O. No.: 3030006457									Challan Date/P.O. Date.: 06-12-2022									
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																		
Type of Industry: Power Plant									Customer Representative: Kamlesh Jha									
Sample Drawn by: IEM Team									Sampling Date: 27-03-2023 to 28-03-2023									
Protocol: CPCB Guideline & IS Method 9989:1981																		
Sampling Location: Near Main Gate																		
Field Meteorological Information			A. Temp.(°C): 28			R.H. (%): 61			W.C.: Clear			W.D.: NE - SW						
Sample Receiving Date: 30-03-2023						Testing Started: 30-03-2023						Testing Ended: 31-03-2023						

---Test Result---

Sl. No	Parameter	Method	Unit	Day Time		Night Time		Limits
				1 m	10 m	1 m	10 m	
1.	Equivalent Sound Level (Leq)	IS 9989:1981	dB(A)	53.7	54.5	48.5	51.7	D-75 N-70

---End of Reports---

Note: -

1. Day time shall mean from 6.00 a.m. to 10.00 p.m.
2. Night time shall mean from 10.00 p.m. to 6.00 a.m.
3. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.
4. dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
5. A "decibel" is a unit in which noise is measured. "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
6. Leq: It is an energy mean of the noise level, over a specified period.

Env. Condition of Lab.	Laboratory is maintaining Temperature $27 \pm 2^{\circ}\text{C}$ and Relative Humidity $65 \pm 5\%$ in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit
Limit is Specified	As per Noise Pollution (Regulation and Control) Rules - 2000
Remark	Sample Comply with prescribed specification.

Tested By: Akanksha Sourabh

Sample Drawn By: Rahul Kr Singh & Team

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	<i>Shreyas</i>	<i>S. C. Jain</i>
	(Shreyas Sonal)	(S. C. Jain)
	Dy. Quality Manager	Director

Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

Laboratory Site - H.No. - A-13, Saket Vihar, Near Sohrai Bhawan, Harmu Housing Colony,
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Institute for Environmental Management

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National Accreditation Board for Testing Laboratory (NABL) vide TC-11515
Certified By ISO 9001:2015 (QMS) & ISO 45001:2018



Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	0	3	1																		
Discipline:	Chemical				Group:				Atmospheric Pollution				Sub-Group:				Ambient Air																			
Report Issue Date:	31-03-2023									Test Report No.:									RN-230320001A4																	
Sample ID:	230330AP01004									Sample Description:									Ambient Air																	
Challan No./P.O. No.:	3030006457									Challan Date/P.O. Date.:									06-12-2022																	
Issued to:																																				
ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																																				
Type of Industry:									Power Plant									Customer Representative:									Kamlesh Jha									
Sample Drawn by:									IEM Team									Sampling Date:									27-03-2023 to 28-03-2023									
Protocol:																			CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series																	
Sampling Location:																			Switch Yard (Core Zone)																	
Field Meteorological Information					A. Temp.(°C):				28				R.H. (%):				61				W.C.:				Clear				W.D.:				NE - SW			
Sample Receiving Date:					30-03-2023				Testing Started:					30-03-2023				Testing Ended:					31-03-2023													

---Test Results---

Sl. No.	Parameters	Test Method	Unit	Result	Limits
1.	Particulate Matter (PM ₁₀)	IS 5182 Part 23:2006 RA 2017	µg/m ³	74.17	100
2.	Particulate Matter (PM _{2.5})	IS 5182 Part 24: 2019	µg/m ³	43.68	60
3.	Sulphure Dioxide (SO ₂)	IS 5182 Part 02: 2001 RA 2017	µg/m ³	34.80	80
4.	Nitrogen Dioxide (NO ₂)	IS 5182 Part 06: 2006 RA 2017	µg/m ³	64.91	80
5.	Ammonia	IS 5182 Part 25: 2018	µg/m ³	31.81	400
6.	Ozone (O ₃)	IS 5182 Part 09: 1974	µg/m ³	37.74	100 (1 Hr.)
7.	Arsenic (As)	USEPA IO 3.2: 1999	ng/m ³	BDL (MDL-2)	--
8.	Lead (Pb)	IS 5182 Part 22: 2004	µg/m ³	0.26	1.0
9.	Nickel (Ni)	IS 5182 Part 26: 2020	ng/m ³	BDL (MDL-4)	--
10.	Benzene (C ₆ H ₆)	IS 5182 Part 11: 2006	µg/m ³	BDL (MDL- 0.06)	--

---End of Report---

Env.Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL:Below Detection Limit
Limit is Specified	As per the Environmental (Protection) Rule - 1986
Remark	Sample Comply with prescribed specification.

Tested By: Akanksha Sourabh

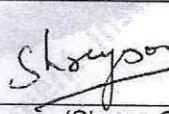
Sample Drawn By: Rahul Kr Singh & Team

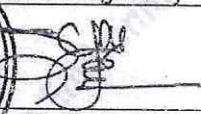
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On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.

Quality Checked and Authorized Signatory


(Shreya Sonalkar)
Dy. Quality Manager


(Dr. S. C. Jain)
Director

Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

Laboratory Site - H.No. - A-13, Saket Vihar, Near Sohrai Bhawan, Harmu Housing Colony,
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Institute for Environmental Management



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Certified by ISO 9001:2015 (Quality Management System)
ISO 45001:2018 (Occupational Health & Safety Management System)

Test Report

Discipline: Chemical	Group: Atmospheric Pollution	Sub-Group: Ambient Air
Report Issue Date: 31-03-2023	Test Report No.: RN-230320001A4	
Sample ID: 230330AP01004	Sample Description: Ambient Air	
Challan No./P.O. No.: 3030006457	Challan Date/P.O. Date.: 06-12-2022	
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402		
Type of Industry: Power Plant	Customer Representative: Kamlesh Jha	
Sample Drawn by: IEM Team	Sampling Date: 27-03-2023 to 28-03-2023	
Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series		
Sampling Location: Switch Yard (Core Zone)		
Field Meteorological Information	A. Temp.(°C): 28	R.H. (%): 61
	W.C.: Clear	W.D.: NE - SW
Sample Receiving Date: 30-03-2023	Testing Started: 30-03-2023	Testing Ended: 31-03-2023

---Test Results---

Sl. No.	Parameters	Test Method	Unit	Result	Limits
1.	Benzo (a) Pyrene (Bap) Particulate Phase Only	IS 5182 Part 12: 2004	ng/m ³	BDL (MDL-0.18)	--
2	Carbon Monoxide	IEM/SOP/Air-01:2022	mg/m ³	BDL(MDL-1.8)	--

---End of Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	As per the Environmental (Protection) Rule - 1986
Remark	Sample Comply with prescribed specification.

Tested By: Akanksha Sourabh

Sample Drawn By: Rahul Kr Singh & Team

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Quality Checked by Authorized Signatory

Shreyas Sonal

(Shreyas Sonal) (S. C. Jain)

Dy. Quality Manager * Ranchi * Director



ISO 9001:2015

Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

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ISO 45001:2018



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National Accreditation Board for Testing Laboratory (NABL) vide TC-11515
Certified By ISO 9001:2015 (QMS) & ISO 45001:2018



Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	0	3	2																										
Discipline:	Chemical					Group:					Atmospheric Pollution									Sub-Group:				Ambient Air																				
Report Issue Date:	31-03-2023										Test Report No.:									RN-230320001A5																								
Sample ID:	230330AP01005										Sample Description:									Ambient Air																								
Challan No./P.O. No.:	3030006457										Challan Date/P.O. Date.:									06-12-2022																								
Issued to:																																												
ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																																												
Type of Industry:										Power Plant									Customer Representative:									Kamlesh Jha																
Sample Drawn by:										IEM Team									Sampling Date:									27-03-2023 to 28-03-2023																
Protocol:																			CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series																									
Sampling Location:																			Sati Steel (CHP Area)																									
Field Meteorological Information					A. Temp (°C):					28					R.H. (%):					61					W.C.:					Clear					W.D.:					NE - SW				
Sample Receiving Date:					30-03-2023					Testing Started:					30-03-2023					Testing Ended:					31-03-2023																			

---Test Results---

Sl. No.	Parameters	Test Method	Unit	Result	Limits
1.	Particulate Matter (PM ₁₀)	IS 5182 Part 23:2006 RA 2017	µg/m ³	94.95	100
2.	Particulate Matter (PM _{2.5})	IS 5182 Part 24: 2019	µg/m ³	54.60	60
3.	Sulphure Dioxide (SO ₂)	IS 5182 Part 02: 2001 RA 2017	µg/m ³	41.42	80
4.	Nitrogen Dioxide (NO ₂)	IS 5182 Part 06: 2006 RA 2017	µg/m ³	76.16	80
5.	Ammonia	IS 5182 Part 25: 2018	µg/m ³	47.72	400
6.	Ozone (O ₃)	IS 5182 Part 09: 1974	µg/m ³	31.78	100 (1 Hr.)
7.	Arsenic (As)	USEPA IO 3.2: 1999	ng/m ³	BDL (MDL-2)	--
8.	Lead (Pb)	IS 5182 Part 22: 2004	µg/m ³	0.35	1.0
9.	Nickel (Ni)	IS 5182 Part 26: 2020	ng/m ³	BDL (MDL-4)	--
10.	Benzene (C ₆ H ₆)	IS 5182 Part 11: 2006	µg/m ³	BDL (MDL-0.06)	--

---End of Report---

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL:Below Detection Limit
Limit is Specified	As per the Environmental (Protection) Rule - 1986
Remark	Sample Comply with prescribed specification.

Tested By: Akanksha Sourabh

Sample Drawn By: Rahul Kr Singh & Team

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On the basis of Quality Checked and Technical data verified by the Authorized signatory, the report is issued by the Director of the Organization.

Quality Checked by Authorized Signatory

Shreya Sonali
(Shreya Sonali)
Dy. Quality Manager
S. C. Jain
Director

Corporate office - A-8, Modi Heights, Opp.-All India Radio Station, Ratu Road, Ranchi, Jharkhand - 834001

Laboratory Site - H.No. - A-13, Saket Vihar, Near Sohrai Bhawan, Harmu Housing Colony,
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ISO 45001:2018 (Occupational Health & Safety Management System)

Test Report

Discipline: Chemical	Group: Atmospheric Pollution	Sub-Group: Ambient Air
Report Issue Date: 31-03-2023	Test Report No.: RN-230320001A5	
Sample ID: 230330AP01005	Sample Description: Ambient Air	
Challan No./P.O. No.: 3030006457	Challan Date/P.O. Date.: 06-12-2022	
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402		
Type of Industry: Power Plant	Customer Representative: Kamlesh Jha	
Sample Drawn by: IEM Team	Sampling Date: 27-03-2023 to 28-03-2023	
Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series		
Sampling Location: Sati Steel (CHP Area)		
Field Meteorological Information	A. Temp.(°C): 28	R.H. (%): 61
	W.C.: Clear	W.D.: NE - SW
Sample Receiving Date: 30-03-2023	Testing Started: 30-03-2023	Testing Ended: 31-03-2023

Test Results

Sl. No.	Parameters	Test Method	Unit	Result	Limits
1.	Benzo (a) Pyrene (Bap) Particulate Phase Only	IS 5182 Part 12: 2004	ng/m ³	BDL (MDL-0.18)	--
2	Carbon Monoxide	IEM/SOP/Air-01:2022	mg/m ³	BDL(MDL-1.8)	--

End of Report

Env. Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL: Below Detection Limit
Limit is Specified	As per the Environmental (Protection) Rule - 1986
Remark	Sample Comply with prescribed specification.

Tested By: Akanksha Sourabh

Sample Drawn By: Rahul Kr Singh & Team

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Quality Checked by _____ Authorized Signatory

Shreya Sonali
(Shreya Sonali) S. C. Jain

Dy. Quality Manager * Ranchi * Director



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National Accreditation Board for Testing Laboratory (NABL) vide TC-11515
Certified By ISO 9001:2015 (QMS) & ISO 45001:2018



Test Report

ULR No.:	T	C	1	1	5	1	5	2	3	0	0	0	0	0	0	0	3	3																										
Discipline:	Chemical					Group:					Atmospheric Pollution									Sub-Group:				Ambient Air																				
Report Issue Date:										31-03-2023										Test Report No.:										RN-230320001A6														
Sample ID:										230330AP01006										Sample Description:										Ambient Air														
Challan No./P.O. No.:										3030006457										Challan Date/P.O. Date.:										06-12-2022														
Issued to:																																												
ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402																																												
Type of Industry:										Power Plant										Customer Representative:										Kamlesh Jha														
Sample Drawn by:										IEM Team										Sampling Date:										27-03-2023 to 28-03-2023														
Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series																																												
Sampling Location: Bachelor Hostel (Core Zone)																																												
Field Meteorological Information					A. Temp.(°C):					28					R.H. (%):					61					W.C.:					Clear					W.D.:					NE - SW				
Sample Receiving Date:					30-03-2023					Testing Started:					30-03-2023					Testing Ended:					31-03-2023																			

---Test Results---

Sl. No.	Parameters	Test Method	Unit	Result	Limits
1.	Particulate Matter (PM ₁₀)	IS 5182 Part 23:2006 RA 2017	µg/m ³	74.71	100
2.	Particulate Matter (PM _{2.5})	IS 5182 Part 24: 2019	µg/m ³	52.50	60
3.	Sulphure Dioxide (SO ₂)	IS 5182 Part 02: 2001 RA 2017	µg/m ³	43.91	80
4.	Nitrogen Dioxide (NO ₂)	IS 5182 Part 06: 2006 RA 2017	µg/m ³	78.76	80
5.	Ammonia	IS 5182 Part 25: 2018	µg/m ³	23.86	400
6.	Ozone (O ₃)	IS 5182 Part 09: 1974	µg/m ³	32.35	100 (1 Hr.)
7.	Arsenic (As)	USEPA IO 3.2: 1999	ng/m ³	BDL (MDL-2)	--
8.	Lead (Pb)	IS 5182 Part 22: 2004	µg/m ³	0.28	1.0
9.	Nickel (Ni)	IS 5182 Part 26: 2020	ng/m ³	BDL (MDL-4)	--
10.	Benzene (C ₆ H ₆)	IS 5182 Part 11: 2006	µg/m ³	BDL (MDL- 0.06)	--

---End of Report---

Env.Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL:Below Detection Limit
Limit is Specified	As per the Environmental (Protection) Rule - 1986
Remark	Sample Comply with prescribed specification.

Tested By: Akanksha Sourabh

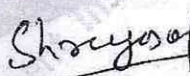
Sample Drawn By: Rahul Kr Singh & Team

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Quality Checked and Authorized Signatory


(Shreya Sonal)
Dy. Quality Manager


(Dr. S. C. Jain)
Director

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Institute for Environmental Management



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ISO 45001:2018 (Occupational Health & Safety Management System)

Test Report

Discipline: Chemical		Group: Atmospheric Pollution		Sub-Group: Ambient Air	
Report Issue Date: 31-03-2023			Test Report No.: RN-230320001A6		
Sample ID: 230330AP01006			Sample Description: Ambient Air		
Challan No./P.O. No.: 3030006457			Challan Date/P.O. Date.: 06-12-2022		
Issued to: ADHUNIK POWER & NATURAL RESOURCES LTD. VILL PADMPUR, PGCILS/S, KANDRA-832402					
Type of Industry: Power Plant			Customer Representative: Kamlesh Jha		
Sample Drawn by: IEM Team			Sampling Date: 27-03-2023 to 28-03-2023		
Protocol: CPCB Guideline(NAAQMS/36/2012-13) & IS Method 5182 Series					
Sampling Location: Bachelor Hostel (Core Zone)					
Field Meteorological Information		A. Temp.(°C): 28	R.H. (%): 61	W.C.: Clear	W.D.: NE - SW
Sample Receiving Date: 30-03-2023		Testing Started: 30-03-2023		Testing Ended: 31-03-2023	

---Test Results---

Sl. No.	Parameters	Test Method	Unit	Result	Limits
1.	Benzo (a) Pyrene (Bap) Particulate Phase Only	IS 5182 Part 12: 2004	ng/m ³	BDL (MDL-0.18)	--
2	Carbon Monoxide	IEM/SOP/Air-01:2022	mg/m ³	BDL(MDL-1.8)	--

---End of Report---

Env.Condition of Lab.	Laboratory is maintaining Temperature 27± 2°C and Relative Humidity 65±5 % in all testing area as per IS 196:1966(C).
Abbreviation	MDL: Minimum Detection Limit, BDL:Below Detection Limit
Limit is Specified	As per the Environmental (Protection) Rule - 1986
Remark	Sample Comply with prescribed specification.

Tested By: Akanksha Sourabh

Sample Drawn By: Rahul Kr Singh & Team

Specific Contractual Notes:-

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Quality Checked by

Shreyas Sonal

(Shreyas Sonal)

Dy. Quality Manager

Authorized Signatory

(Dr. S. C. Jain)

(Dr. S. C. Jain)

Director



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Ph - 8407804254, 8407804251, Email - iem2012@rediffmail.com

ISO 9001:2015



ISO 45001:2018



ADHUNIK POWER & NATURAL RESOURCES LIMITED

WORKS : Village - Padampur, Behind P.G.C.I.L. Substation,
Adityapur - Kandra Road, Saraikela - Kharsawan, PIN - 832402 Jharkhand
Phone : +91 - 657 - 6628400, Fax : +91 - 657 - 6628440
CIN - U40101WB2005PLC102935

01.12.2022

Office Order

As per the directions of the Ministry of Environment & Forest, Government of India while granting the Environment Clearances vide letter no J-13011/8/2009-IA.II(T), dated 29th Aug 2009 (Unit I) & Letter No :J13012/8/2009-IA .II (T) dtd 9th May 2011 to our 2x270 MW Power Plant, the Management considering the importance of Environmental concerns and set up the Environment Cell under the chair of Plant In charge who is directly reporting the Managing Director of Organization. The Cell is functional since 2009 and is equipped with qualified professionals of the fields.

Roles & Responsibility of Environment Cell

Following the broad scope of the Cell

- Understanding Environment issues in Adhunik power & Natural Resources Ltd during Construction & Operation and Maintenance Phase.
- Framing appropriate scope of work for requisite environment management, EIA & various other complex issues to address those with tailor made solutions,
- Awarding the consultancy tasks for environmental management & EIAs, Modeling, Monitoring etc & other complex studies to the appropriate agency and also sometimes In-house work of Monitoring,
- Dealing with JSPCB/CPCB/MoEF & CC for various aspects including obtaining clearances for Plant and Plant led development and policy makings at State and National level,
- The meeting of the management of M/s APNRL shall be conducted in which the budgetary allocation for the EMP shall be discussed and finalized and comprehensive EMP shall be prepared as per the guidelines of CPCB.
- Preparation of Environmental Management Plans- Basically Assisting Engineering Section for preparation Master Plan for existing plant to address policy regulations issued by MOEF& CC from time to time,
- Operating and upgrading the existing Hazardous Waste Management Facilities for Plant Area as per latest regulations.- (Development and Operation of TSDF at APNRL),
- Initiating dialogs, meeting & developing participatory approach with the key stakeholders for solving any typical pollution related problems.
- Review of EMP for various sections of plant and suggest modifications if any for better Env Management,
- Representing APNRL at the State and National level platform for Environment Management
- Comments & advice on draft amendment, notifications on Environmental Laws.
- Imparting knowledge and raising awareness for Environment Protections among APNRL key officers and other related stakeholders,
- The Plant Incharge will be responsible for environmental issues at plant.

The responsibilities of the various members of the environment management cell are enclosed as Annexure I:

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REGD. OFFICE : 14, N. S. Road, 2nd Floor, Kolkata - 700 001, Phone No. +91 - 33 - 22428551, 22428553

Website : www.adhunikgroup.com



ADHUNIK POWER & NATURAL RESOURCES LIMITED

WORKS : Village - Padampur, Behind P.G.C.I.L. Substation,
Adityapur - Kandra Road, Saraikela - Kharsawan, PIN - 832402 Jharkhand
Phone : +91 - 657 - 6628400, Fax : +91 - 657 - 6628440
CIN - U40101WB2005PLC102935

01.12.2022

Annexure I

Responsibilities of the members of the environment management cell

S. No.	Designation	Responsibility	Reporting to
01	Managing Director	Environmental policy and directions	
02	Plant Head	Overall responsibility for environmental management and decision making for all environmental issues	Managing Director
03	Environment Manager Kamlesh Kumar (M.Sc.- Environmental Science)	Overall in-charge of operation of environmental management facilities of respective sections. Ensure environmental monitoring as per appropriate procedures, Ensure correct records of generation, handling, storage, transportation and disposal of solid hazardous wastes. Ensuring legal compliance by properly undertaking activities as laid down by various regulatory agencies from time to time and interacting with the same and arranging awareness programme among the workers.	Plant Head
04	CSR Manager Sanjeet Sinha (M.Sc - Maths)	Responsibility to implement social impact Improvement /mitigation measures.	Plant Head
05	Safety Manager Bidesh Bid B.Sc in Chemistry(H) Diploma in Industrial Safety	Participating in workplace safety and health planning meetings. Ensuring managers and supervisors have the appropriate safety and health; Accident prevention; and investigation & training Ensure safety and health hazards are corrected, eliminated or guarded.	Plant Head
06	Medical Officer Dr. Ganesh Prasad Murmu, MBBS	Attend all types of OPD and Emergency Patients. First Aid Treatment to all Cases. Routine Medical Examination of Company Employees. Performing & Conducting various training & awareness programs in company.	Plant Head
06	Chemist Tapas Kumar Mahato B.Sc/ M.Sc	To initiate environmental monitoring as per approved schedule. Prepare & Submit the monitored results and corrective measures in case monitored results are above the specified limit.	Environment Manager
07	Horticulture officer Ravi Prakash Sharma Graduate	Responsible for development of Green belt & Land Scape on vacant land of Plant premises.	Environment Manager

DGM(HR)

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CIN - U40101WB2005PLC102935

Ref No APNRL/JSPCB/ES/2021-22/02

Date: 20th Sep 2022

Member Secretary
Jharkhand State Pollution Control Board,
HEC Campus, Dhurva,
Ranchi, Jharkhand.

Sub- Submission of Environmental Statement (Form V) for Unit II (1 x 270 MW) of M/s
Adhunik Power & Natural Resources Limited, Village- Padampur, Dist- Saraikela-
Kharswan, Jharkhand.

Ref: Environmental Clearance letter No J-13012/8/2009-IA.II(T), Dated 09th May 2011.

Dear Sir,

In line with compliance of above referred EC letter point No XIII of general condition, Please
find attached herewith Environmental statement (Form V) for the financial year 2021-22.

This is for your kind information & record please.

Thanking You

Your's faithfully

Kamlesh Kumar
Manager (Environment)

Encl: As mentioned above

CC: 1. Regional Office (ECZ),

Ministry of Environment, Forest and Climate Change,
Bungalow No. A-2, Shyamali Colony, Ranchi - 834002

2. Regional Officer

Jharkhand Pollution Control Board
Jamshedpur, Jharkhand



अनिल जी
21-9-2022



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Phone : +91 - 657 - 6628400, Fax : +91 - 657 - 6628440
CIN - U40101WB2005PLC102935

Ref: MOE&F, RNC/HYC/KKJ/261122/02

Dated: 26.11.2022

To,

Regional Office (ECZ),
Ministry of Environment, Forest and Climate Change,
Bungalow No. A-2, Shyamali Colony,
Ranchi - 834002

Sub:- Submission of Half yearly compliance status report (Unit II) for the period - April 2022 to September 2022 -Reg.

Ref:- MoEF EC letter No.J-13012/8/2009-IA.II(T), Dated 09th May 2011.

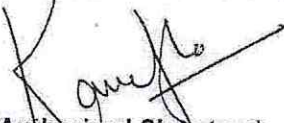
Sir,

With reference to the above referred Environmental Clearance, we are pleased to submit herewith the half yearly compliance status report (Unit II) for the period of April 2022 to September 2022.

This is for your reference and record, please.

Thanking you,

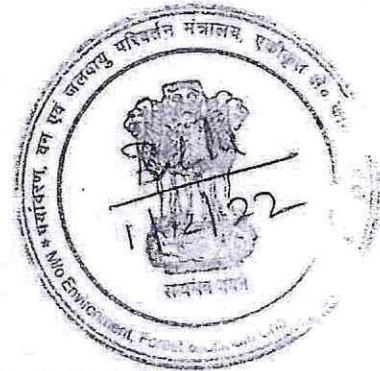
For Adhunik Power & Natural resources Limited


(Authorized Signatory)

Encl: As Above

Copy to:

1. Central Pollution Control Board, Kolkata
2. Member Secretary, Jharkhand State Pollution Control Board, Jharkhand
3. Regional Officer, JSPCB, Jamshedpur




29/11/22


29/11/22

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