

AMELIA NORTH COAL MINE

A UNIT OF JAIPRAKASH POWER VENTURES LIMITED
ISO CERTIFIED : 9001: 2015, 14001: 2015 & 45001: 2018

JAIPRAKASH
POWER VENTURES LIMITED



Ref.: JPVL/Amelia/ Mine/2024-25/ 219

Date: 22.11.2024

To,
The Director,
Regional Office,
Ministry of Environment, Forests & Climate Change,
Kendriya Paryavaran Bhawan , GOI
E-5 Ravi Shankar Nagar, Link Road No.3,
Bhopal -462016 (M.P.)

Sub: Six Monthly Environmental Clearance Compliance Status Report for the Period **April 2024 to September 2024** of M/s Jaiprakash Power Ventures Limited, **Amelia (North) Coal Mine.**

Reference: (i) Letter No. J11015/355/2006-IA-II (M) dated 20 July 2007.
(ii) Letter No. J11015/355/2006-IA-II (M) dated 13th May 2015.
(iii) Letter No. J11015/355/2006-IA-II (M) dated 16th January 2023.
(iv) Letter No. J11015/355/2006-IA-II (M) dated 7th February 2024.

Sir,

We are submitting herewith point wise Compliance Report for the period **April 2024 to September 2024** for the conditions specified in the Environmental Clearance granted by MoEF&CC Letter No. J11015/355/2006-IA-II (M) dated 7th February 2024 for 3.92 MTPA Amelia (North) Coal Mine of M/s Jaiprakash Power Ventures Limited, located in Village Majhauri, Tehsil – Deosar, District – Singrauli, (Madhya Pradesh).

This is for your kind information and acceptance please.

Thanking you

Yours faithfully

For Jaiprakash Power Ventures Ltd.

(Authorized Signatory)

Encl: as above

CC. to:

1. The Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar E-5, Arera Colony, Bhopal (M.P.).
2. Zonal Office, Central Pollution Control Board, Paryavaran Parisar E-5, Arera Colony, Bhopal (M.P.).
3. Regional Officer, Madhya Pradesh Pollution Control Board, Waidhan, Distt. --Singrauli, (M.P.).

Site : Amelia(North)CoalMine,Vill.Majhauri,P.O.-Bandha, Tehsil-Deosar, Distt. - Singrauli, Madhya Pradesh, India - 486886
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Corp.Office : 'JA House', 63 Basant Lok, Vasant Vihar, New Delhi-110057 (India)
Ph.: +91(11)26141540,26147411 Fax: +91(11)26145389,26143591
Regd.Office : Complex of Jaypee Nigrie Super Thermal Power Plant, Nigrie, Tehsil Sarai, District Singrauli-486669 (Madhya Pradesh)
Ph.: +91 (7801) 286021-39 Fax: +91 (7801) 286020
Website:www.jpvpowventures.com**E-mail:**jpvl.investor@jalindia.co.in
CIN:L40101MP1994PLC042920

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GROUP

Half – Yearly Compliance Report

Of

Environmental Clearance

Period: April 2024 – September 2024

Of

Amelia (North) Coal Mine

M/s Jaiprakash Power Ventures Ltd.

Capacity- 3.92 Million Tonnes Per Annum

Village – Majhauri, Tehsil – Deosar, District – Singrauli, (Madhya Pradesh)

Submitted To:

Regional Office, Western Zone

Ministry of Environment, Forest & Climate Change

&

Zonal Office, Central Pollution Control Board, Bhopal &

Madhya Pradesh Pollution Control Board, Bhopal

Name of The Project		Amelia (North) Coal Mine, Unit of M/s Jaiprakash Power Ventures Limited, Production Capacity- (3.36 to 3.92 Stage-II) MTPA, Mining lease of 728.75 ha., Village – Majhauri, Tehsil – Deosar, District – Singrauli, (Madhya Pradesh)
EC Letter No		EC Identification No. EC23A0605MP5254155N J-11015/355/2006-IA-II(M) dated 07th February 2024 by MoEF&CC (GOI) New Delhi
Period of Compliance		April 2024 to September 2024
S.No.	Specific Conditions	Status
1.1	PP shall obtain the CTO for the production capacity upto 3.92 MTPA.	Complied Consent to Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 has been granted by MPPCB vide Out ward No:- 119978, 12/3/2024 Consent No. – AW -59907 valid up to 28/02/2025.
1.2	PP shall obtain modification of EC in case of change of mine plan as approved by MoC respective mine lease by the State.	Agreed & Noted
1.3	PP shall comply the direction/ outcome of court case pending before Hon'ble Supreme court related to the C.A.No. 6233/2019 "M/s Jaiprakash Power Ventures Ltd. Vs Human Right Redemption Social Welfare Association of India and Ors".	Agreed to Comply
1.4	PP should complete the plantation upon the nearest dump area to the Kanchan river during the monsoon of 2024.	Complied. Plantation upon the nearest dump area to the Kanchan river has been done during the monsoon of 2024.
1.5.	PP shall submit the status of expenses as noted as per the above para no. 5.5.3 (vi) of the Minutes to IRO, MoEF&CC.	Complied
1.6	PP shall complete the eco-park development within 11 ha with native species before January 2025.	Being Complied 11 ha. Area will be planted with native species before January 2025.
1.7	PP should construct dedicated road for the transportation of coal within the ML area and outside ML area till National Highway and	Agreed to Comply <ul style="list-style-type: none"> • Dedicated Road for the transportation of the Coal within mining lease area exists. • 52 nos. Static high pressure Water Sprinklers have been installed in length of 2.6 Km along the

	adopt measures for mitigation air pollution including green belts, wind barriers and fog cannons.	<p>coal transport road from mine to CHP and are in operation.</p> <ul style="list-style-type: none"> • Mist fog cannon (Truck Mounted) in operation in the Mines, haul road and CHP area. • Fixed Mist Fog Cannon water sprinkler has been installed at near Railway siding. • Wind Breaking Wall at Wharf Wall has been constructed for reducing the dust propagation in upwind direction & Green belt has been established along Coal transport haul road. • No coal transportation is carried out outside the mine premises. Total coal is transported through railway wagons (Rake) to JP Nigrie Super Thermal Power Plant.
1.8	PP shall submit the status of expenditure plan for the already allocated Public Hearing Budget including the amount that has been spent already or going to spend in future.	<p>Complied</p> <p>Public hearing is not required because in the case of projects seeking expansion upto a capacity of 50%, MoEF&CC's office memorandum no. F. No. IA3-22/10/2022-IA.III [E 177258] dated 11.04.2022.</p>
1.9	PP shall implement the EMP budget (as per the para no. 5.5.3 (vii) of the Minutes) and shall create a "Public Grievance Redressal and Monitoring System" for resolving any issues related to the pollution of mines and complaint has to resolve as soon as possible not beyond 30 days. In this regard, adequate awareness to be spread among the public to address their grievance to company with simple and easy manner and for which company needs to devise the mechanism. The same shall be reported to IRO within 3 months. A log book to be maintained by PP on "Public Grievance Redressal and Monitoring System.	<p>Complied</p> <ul style="list-style-type: none"> • Budgetary provision for EMP is being implemented and being utilized in FY 2023-24. • A committee has been constituted for the Public Grievance Redressal and Monitoring System for resolving any issues related to the pollution of mines. Monthly meeting of this committee is being conducted regularly.
1.10	Top soil should be stored separately at marked area for spreading over the reclaimed dumps (both internal & external) and necessary vegetation shall be raised and maintained to avoid any entrainment of dust.	<p>Being Complied</p> <p>Top soil is being stored separately at marked area for spreading over the reclaimed dumps (both internal & external) & necessary vegetation is being planted to avoid any entrainment of dust.</p>

1.11	Mining of coal shall be carried out only by surface miners for the project (as proposed) and silo loading till railway siding through in-pit conveyor should be installed to avoid road. No road transportation shall be conducted.	<p>Being Complied Mining of coal is being carried out only by surface miners. Coal is being sent to silo through belt conveyor from CHP and then loaded into railway wagons for onward movement to Jaypee Nigrie Super Thermal Power Plant by railways. No road transportation is being done outside mine premises.</p>
1.12	PP to upload the monitoring data of 4 nos of continuous ambient air quality with server of CPCB and SPCB. The real time data so generated shall be uploaded on company website. In addition, data should also be displayed digitally at entry and exit gate of mine lease area for public display.	<p>Being Complied</p> <ul style="list-style-type: none"> • 04 Nos. CAAQMS (Continuous Ambient Air Quality Monitoring System) have been installed at Mines area, CHP site, Base Camp & Village side area. • Data is being continuously transmitted to CPCB & MPPCB Environment Surveillance Centre. • All 04 Nos. CAAQMS data is being uploaded at entry and exit gate of mine office. Photograph of display board is attached. <div data-bbox="1108 726 1635 1093" style="text-align: center;"> </div>
1.13	PP should Install Wind breaker/shield arrangement along the railway siding for reducing the dust propagation in upwind direction.	<p>Complied Wind Breaking Screen 54m long, 3 to 6m height at Coal Unloading Point (Apron Feeder) and Wind Breaking Wall 200 m long at Wharf Wall have been constructed for reducing the dust propagation in upwind direction.</p>
1.14	PP shall display the CAAQMS data at entry and exit gate of mine office and shall be share with the SPCB/CPCB.	<p>Being Complied All 04 Nos. CAAQMS data is being uploaded at entry and exit gate of mine office and transmitted at SPCB/CPCB server continuously. Photograph of display board is attached.</p>



1.15	PP should install fixed Fog cannons within the ML area and movable fog cannons to be deployed for the Mines, haul road, CHP area and other required area.	<p>Complied</p> <ul style="list-style-type: none"> • Mist fog cannon (Truck Mounted) in operation in the Mines, haul road and CHP area. • Fixed Mist fog cannon water Sprinkler has been installed near Railway siding.
1.16	PP shall strictly implement the recommendation of Riverine/Riparian Ecosystem conservation & Management Plan	<p>Being Complied</p> <p>Riverine/Riparian Ecosystem Conservation & Management Plan has been prepared and recommendations of the report are being implemented.</p>
1.17	PP shall install fixed fog cannon (mist sprayer) all along the haul road till CHP, Railway siding and OB Dump area and accordingly sufficient number of fog cannons (not less than 10 nos.) with 40 mts jet length shall be installed within 6 months. It should be ensured that air pollution level confirm to the standards prescribed by the MOEFCC/CPCB.	<p>Complied</p> <ul style="list-style-type: none"> • 52 nos. Static high pressure Water Sprinklers have been installed in length of 2.6 Km along the coal transport road from mine to CHP and are in operation. • Mist fog cannon (Truck Mounted) in operation in the Mines, haul road and CHP area. • Fixed fog cannon has been installed near Railway siding area. . • Ambient Air Quality monitoring is being carried out on monthly basis by the team of M/s Vardan Envirolab, Gurugram which is an NABL Accredited and MoEF&CC recognized laboratory and the results are well within the prescribed limit by the MOEFCC/CPCB.
1.18	PP to develop an ECO park with separate area of 5 ha for medicinal and herbal species within two years.	<p>Being Complied</p> <p>ECO-Park has been developed in 2.0 ha area with total 14000 Nos. of herbal & medicinal plants including Alovera, Arjun, Green Chireta, Lemon Grass, Terminalia, Texas Sage etc. Rest 3.0 ha area will be developed by January-2025.</p>

1.19	Progressive backfilling of mine and progressive reclamation by conducting tree plantation of OB dump shall be done.	<p>Being Complied</p> <ul style="list-style-type: none"> • Biological reclamation of dumps is a continuous process till the life of the mine. • We are carrying out the biological reclamation as per afforestation plan. • A total of 5,69,149 mostly saplings of native species along with exotic species have been planted over dumps area and other areas till Sept. 2024. <table border="1" data-bbox="833 406 2112 1026"> <thead> <tr> <th rowspan="2">Year</th> <th colspan="6">Plantation Programme</th> </tr> <tr> <th>External Dump (Ha.)</th> <th>Backfilled Area (Ha.)</th> <th>Un-disturbed Area (Ha.)</th> <th>Barrier zone</th> <th>Total (ha)</th> <th>Total no. of trees</th> </tr> </thead> <tbody> <tr><td>2024-25</td><td>10.00</td><td>26.50</td><td>0.00</td><td>11.00</td><td>47.50</td><td>1,18,750</td></tr> <tr><td>2025-26</td><td>10.00</td><td>26.50</td><td>0.00</td><td>0.00</td><td>36.50</td><td>91,250</td></tr> <tr><td>2026-27</td><td>10.00</td><td>26.50</td><td>0.00</td><td>0.00</td><td>36.50</td><td>91,250</td></tr> <tr><td>2027-28</td><td>8.29</td><td>26.50</td><td>0.00</td><td>0.00</td><td>34.79</td><td>86,975</td></tr> <tr><td>2028-29</td><td>0.00</td><td>26.50</td><td>0.00</td><td>0.00</td><td>26.50</td><td>66,250</td></tr> <tr><td>2029-30</td><td>0.00</td><td>26.50</td><td>0.00</td><td>0.00</td><td>26.50</td><td>66,250</td></tr> <tr><td>2030-31</td><td>0.00</td><td>27.50</td><td>0.00</td><td>0.00</td><td>27.50</td><td>68,750</td></tr> <tr><td>2031-32</td><td>0.00</td><td>27.50</td><td>0.00</td><td>0.00</td><td>27.50</td><td>68,750</td></tr> <tr><td>2032-33</td><td>0.00</td><td>27.50</td><td>0.00</td><td>0.00</td><td>27.50</td><td>68,750</td></tr> <tr><td>2033-34</td><td>0.00</td><td>27.50</td><td>0.00</td><td>0.00</td><td>27.50</td><td>68,750</td></tr> <tr><td>2034-35</td><td>0.00</td><td>32.50</td><td>0.00</td><td>0.00</td><td>32.50</td><td>81,250</td></tr> <tr><td>2035-36</td><td>0.00</td><td>32.50</td><td>0.00</td><td>0.00</td><td>32.50</td><td>81,250</td></tr> <tr> <td>Total</td> <td>38.29</td> <td>334.00</td> <td>0.00</td> <td>11.00</td> <td>383.29</td> <td>9,58,225</td> </tr> </tbody> </table>	Year	Plantation Programme						External Dump (Ha.)	Backfilled Area (Ha.)	Un-disturbed Area (Ha.)	Barrier zone	Total (ha)	Total no. of trees	2024-25	10.00	26.50	0.00	11.00	47.50	1,18,750	2025-26	10.00	26.50	0.00	0.00	36.50	91,250	2026-27	10.00	26.50	0.00	0.00	36.50	91,250	2027-28	8.29	26.50	0.00	0.00	34.79	86,975	2028-29	0.00	26.50	0.00	0.00	26.50	66,250	2029-30	0.00	26.50	0.00	0.00	26.50	66,250	2030-31	0.00	27.50	0.00	0.00	27.50	68,750	2031-32	0.00	27.50	0.00	0.00	27.50	68,750	2032-33	0.00	27.50	0.00	0.00	27.50	68,750	2033-34	0.00	27.50	0.00	0.00	27.50	68,750	2034-35	0.00	32.50	0.00	0.00	32.50	81,250	2035-36	0.00	32.50	0.00	0.00	32.50	81,250	Total	38.29	334.00	0.00	11.00	383.29	9,58,225
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1.20	Hon'ble Supreme Court in an Writ Petition(s) Civil No. 114/2014, Common Cause vs Union of India &Ors vide its judgement dated 8th January, 2020 has directed the Union of India to impose a condition in the mining lease and a similar condition in the environmental clearance and the mining plan to the effect that the mining leaseholders shall, after ceasing mining operations, undertake re-grassing the mining area and any	<p>Agreed & Noted</p>																																																																																																								

	other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. Compliance of this condition after the mining activity is over at the cost of the mining lease holders/Project Proponent". The implementation report of the above said condition shall be sent to the Regional Office of the MoEFCC.	
1.21	PP should implement the mitigation measures in order to protect Kanchan river and Kanchan reservoir from the existing OB dumps from any kind of contamination to River/Stream.	<p>Complied</p> <ul style="list-style-type: none"> Retaining walls of 3209 meter long (2 meter height, 2.45 meter width at base and 0.45 meter at the top) at the toe of external overburden Dump 'A' & 'B' have been constructed to check run-off and siltation. Besides the retaining wall 3676 meter length of Gabion walls have been constructed at the toe of Dump A& B with adequate height (3-4 meter) and width (1-3 meter). Both external dumps A & B have been completed with biological reclamation near Kanchan River and Kanchan reservoir. Present dumping is being carried out only in backfilled area which is more than 1.0 Km from the Kanchan river and reservoir.

1. Statutory Compliances

S.No.	EC Conditions	Status
1.1	The Environment clearance shall be subject to order of Hon'ble Supreme Court of India. Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to project.	Agreed & Noted
1.2	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose	<p>Complied</p> <p>All necessary approvals and clearances have been obtained. The details are as follows:-</p> <ul style="list-style-type: none"> Forest Clearance was received for 728.75 ha. Forest land vide MoEF, letter no. 8- 08/2007/FC, dated 30.11.2012.

	involved in the project.	<ul style="list-style-type: none"> • Forest Department, Govt. of Madhya Pradesh, Bhopal letter no. D-2270/3521/2012/10-3 dated 24.12.2012. • Principal Chief Conservator of Forest (Land Management) – Office Madhya Pradesh - Bhopal letter no. F-1/442/07/10-11/260 dated: 16.01.2013 • Divisional Forest Officer – Singrauli (Madhya Pradesh) letter no. M.chi./212 dated: 21.01.2013. • Forest Clearance has been received for 728.75 ha. Forest land vide MoEF&CC, letter no. 8-08/2007/FC. Dated: 11.05.2015. <p>Forest Department, Govt. of Madhya Pradesh, Bhopal letter no. 919/1390/2015/10-3, Bhopal, Dated: 20.05.2015.</p>
1.3	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	<p>Not Applicable Wild life clearance is not required.</p>
1.4	The project proponent shall prepare a site-specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved site-specific Conservation Plan/ Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).	<p>Complied</p> <ul style="list-style-type: none"> • The Wildlife Conservation Plan of Impact Area of Amelia (North) Coal Block had been prepared by Dr. R. C. Sharma, IFS (Retd.), Founder PCCF, Chhattisgarh and Ex Wild Life Chief & C.W.L.W (Undivided M.P.) in-September 2012. The same was approved vide letter no. F-5-2/2010/10-3/2591 dated 01.11.2012. Accordingly an amount of Rs 14 crores had been deposited by the prior allottee ie. MPSMCL in CAMPA A/c No. 391702010098522 on 24.11.2012 towards pro-rata share of Amelia (North) Coal Block. • The wildlife plan since then is being implemented by the Office of the Principal Chief Conservator Forest (Wild Life), Bhopal. The Company requested them vide letters dated 26.05.2016, 01.09.2022 & 12.10.2022 to intimate us the present position of the implementation of Wildlife Conservation Plan. • In response to above, the Upper Principal Chief Conservator of Forests has sent a letter dated 12.10.2022 to the Regional Director, Sanjay Tiger Reserve, Sidhi mentioning that in the year 2014-15 an amount of Rs. 13680 lakhs was allotted to All coal blocks of Singrauli Main Basin including Amelia (North) Coal Block, out of which Rs. 1270 lakhs has been spent. • A letter has been sent to the concerned MP Forest Department for obtaining the information regarding the incurred expenses for Wildlife Conservation and Management dated 12.10.2022. • One more letter sent to the concerned MP Forest Department for obtaining the information regarding the incurred expenses for Wildlife Conservation and Management on dated 17/18.08.2023.

1.5	The project proponent shall obtain Consent to Establish/Operate under of Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974 from the concerned state pollution control board committee.	Complied Consent to Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 has been granted by MPPCB vide Out ward No:- 119978, 12/3/2024 Consent No. – AW -59907 valid up to 28/02/2025.
1.6	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	Complied Renewal of NOC has been granted by Central Ground Water Authority vide NOC No. CGWA/NOC/MIN/REN/3/2023/8124 and it is valid up to 30/12/2024.
1.7	Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/ Hazardous & Other Waste Management Rules 2016.	Being Complied Authorization of Hazardous Waste under Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2016 has been renewed vide Consent No: H-54285, Hazd. Validity: 31/10/2026, Outward No: 113594, 25/09/2021. Precautions are being taken as per Solid Waste Management Rules 2016.
1.8	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.	Complied Permission of power supply has been taken from the Office of the Superintending Engineer (O&M), MPPKVV Co. Ltd. Singrauli vide letter no.SE/SING/REV-H.T./Enh.load/559dated 03.06.2022
1.9	The maximum production or peak production at any given time shall not exceed the limit as prescribed in EC.	Agreed & Noted
1.10	Validity of EC is as per life of the mine mentioned in EC letter or 30 years as per EIA notification, 2006 and its amendments therein.	Agreed & Noted
2.	Air Quality Monitoring and Mitigation Measure	
2.1	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, SO ₂ and NO _x . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally	Being Complied <ul style="list-style-type: none"> • Four numbers ambient air quality monitoring locations have been established in core zone (Mine Site) and buffer zone (Villages: Base Camp-Majhauri, Kunda and Manihari) • In addition to above 04 Nos. CAAQMS (Continuous Ambient Air Quality Monitoring System) have also been installed at Mines area, CHP site, Base Camp area & Village side in consultation with the M.P. Pollution Control Board, Singrauli (M.P.).

	<p>and ecologically sensitive receptors in consultation with the State Pollution Control Board. Online ambient air quality monitoring station/stations may also be installed in addition to the regular air monitoring stations as per the requirement and/or in consultation with the SPCB</p>																																																													
<p>2.2</p>	<p>The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.</p>	<p>Being Complied</p> <p>Four numbers ambient air quality monitoring locations have been established in core zone (Mine Site) and buffer zone (Villages: Base Camp-Majhauri, Kunda and Manihari) in consultation with the M.P. Pollution Control Board, Singrauli (M.P.) and ambient air quality is being monitored regularly and parameters are found within the prescribed limit as per Coal Industry Standards notified vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time Monthly air quality monitoring report is being submitted to Regional Office, MPPCB, Singrauli, on regular basis. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, have been carried out by M/s Vardan Enviro Lab, Gurugram, NABL & MoEF&CC approved laboratory and results are found within below detectable limit. The data is being regularly reported to the Regional office and to the SPCB. Monitoring report is attached as Annexure -01.</p> <p style="text-align: center;">AMBIENT AIR QUALITY MONITORING RESULT For the period of April 2024 to September-2024</p> <table border="1" data-bbox="846 911 2134 1390"> <thead> <tr> <th></th> <th>Sampling Location</th> <th>Parameters</th> <th>Max.</th> <th>Min.</th> <th>Avg.</th> </tr> </thead> <tbody> <tr> <td rowspan="4">1.</td> <td rowspan="4">Mine Site (Core Zone)</td> <td>*SPM (ug/m3)</td> <td>146.31</td> <td>138.23</td> <td>142.27</td> </tr> <tr> <td>*RSPM (ug/m3)</td> <td>78.72</td> <td>73.62</td> <td>76.17</td> </tr> <tr> <td>*SO2 (ug/m3)</td> <td>9.49</td> <td>8.87</td> <td>9.18</td> </tr> <tr> <td>*NOx (ug/m3)</td> <td>26.04</td> <td>24.62</td> <td>25.33</td> </tr> <tr> <td rowspan="4">2.</td> <td rowspan="4">WTP Township (Village: Majhauri)</td> <td>PM10 (ug/m3)</td> <td>57.64</td> <td>51.63</td> <td>54.64</td> </tr> <tr> <td>PM2.5 (ug/m3)</td> <td>37.71</td> <td>32.86</td> <td>35.29</td> </tr> <tr> <td>SO2 (ug/m3)</td> <td>8.20</td> <td>7.01</td> <td>7.61</td> </tr> <tr> <td>NOx (ug/m3)</td> <td>19.53</td> <td>15.29</td> <td>17.41</td> </tr> <tr> <td rowspan="4">3.</td> <td rowspan="4">Village: Kunda</td> <td>PM10 (ug/m3)</td> <td>52.48</td> <td>49.59</td> <td>51.04</td> </tr> <tr> <td>PM2.5 (ug/m3)</td> <td>33.62</td> <td>30.93</td> <td>32.27</td> </tr> <tr> <td>SO2 (ug/m3)</td> <td>6.48</td> <td>5.55</td> <td>6.01</td> </tr> <tr> <td>NOx (ug/m3)</td> <td>15.42</td> <td>13.34</td> <td>14.38</td> </tr> </tbody> </table>		Sampling Location	Parameters	Max.	Min.	Avg.	1.	Mine Site (Core Zone)	*SPM (ug/m3)	146.31	138.23	142.27	*RSPM (ug/m3)	78.72	73.62	76.17	*SO2 (ug/m3)	9.49	8.87	9.18	*NOx (ug/m3)	26.04	24.62	25.33	2.	WTP Township (Village: Majhauri)	PM10 (ug/m3)	57.64	51.63	54.64	PM2.5 (ug/m3)	37.71	32.86	35.29	SO2 (ug/m3)	8.20	7.01	7.61	NOx (ug/m3)	19.53	15.29	17.41	3.	Village: Kunda	PM10 (ug/m3)	52.48	49.59	51.04	PM2.5 (ug/m3)	33.62	30.93	32.27	SO2 (ug/m3)	6.48	5.55	6.01	NOx (ug/m3)	15.42	13.34	14.38
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		4.	Village: Manihari	PM10 (ug/m3)	54.95	48.08	51.51
				PM2.5 (ug/m3)	35.57	29.13	32.35
				SO2 (ug/m3)	7.08	5.22	6.15
				NOx (ug/m3)	16.98	12.78	14.88
		Note: Limits are as per Table-I of S.No. 90 (Standards for Coal Mines) of Schedule -I under Rule 3 of Environment Protection Rules, 1986					
2.3	Transportation of coal, to the extent if permitted by road, shall be carried out by covered trucks/conveyors. Effective control measures such as regular water sprinkling/rain gun/ Fog cannon /mist sprinkling etc., shall be carried out in critical areas prone to air pollution with higher level of particulate matter all through the coal transport roads, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled regularly. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.	<p>Being Complied</p> <ul style="list-style-type: none"> Coal is being sent to silo through belt conveyor from CHP and then loaded into railway wagons. No road transportation is being conducted outside mine premises. Mist fog cannon (Truck Mounted) in operation in the Mines, haul road and CHP area. Fix fog Cannon has been installed at nr, railway siding area. In addition to above, 52 nos. Static high pressure Water Sprinklers have been installed along the coal transport road from mine to CHP and are in operation. Fugitive dust emission is being controlled regularly by static water sprinklers and mist fog cannon. <p>Ambient air quality is being monitored regularly and parameters are found within the prescribed limit as per Coal Industry Standards notified vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time. Monthly air quality monitoring report is being submitted to Regional Office, MPPCB, Singrauli, on regular basis.</p>					
2.4	Major approach roads shall be black topped and properly maintained.	<p>Complied</p> <p>Major approach roads have been made black topped and being maintained regularly.</p>					
2.5	PP to install solar lights along the road used for transportation of coal to avoid the accidents at night and also seek its maintenance.	<p>Agreed & Noted</p>					
2.6	The transportation of coal shall be carried out as per the provisions and route proposed in the approved mining plan. Transportation of the coal through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed that the impact of	<p>Being Complied</p> <ul style="list-style-type: none"> Transportation of coal is being carried out from mine to CHP as per the provisions and route proposed in the approved mining plan. <p>Amelia (North) Coal Mine is a captive coal mine of Jaypee Nigrie Super Thermal Power Plant (JNSTPP) and Coal is being sent to silo through belt conveyor from CHP and then loaded in to Railway Wagons for onward movement to JNSTPP. No road transportation is being done outside mine premises.</p>					

	sound, dust and accidents could be appropriately mitigated.	
2.7	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.	Being Complied Vehicles are properly checked & maintained in workshop to control the emission and are being monitored regularly and PUC Certificate from authorized Pollution Centre have been obtained and records are being maintained.
2.8	Coal stock pile/crusher/feeder and breaker material transfer points shall invariably be provided with dust suppression system. Belt-conveyors shall be fully covered to avoid air borne dust. Side cladding all along the conveyor gantry should be made to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.	Being Complied <ul style="list-style-type: none"> • 02 Nos. high pressure water spraying systems have been installed at feeder breaker and apron feeder (unloading points). • 03 Nos. high pressure water spraying systems have been installed at transfer towers, stacker-reclaimer and rapid loading system (Coal Silo). • A network of static sprinklers has been installed at Coal Stock Yard in CHP Area for controlling fugitive emissions. • All Conveyor belts have been covered with corrugated steel sheet on sides to avoid air borne dust. Side cladding all along the transfer points of conveyor has been made. • Wind Breaking Screen 54m long 3 to 6m height at Coal Unloading Point (Apron Feeder) and Wind Breaking Wall 200 m long at Wharf Wall have been constructed to control the fugitive emission. • Regular water spraying is being done by 02 mobile water sprinklers. • Water injector systems have been provided in drills for wet drilling.
2.9	Coal handling plant shall be operated with effective control measures w.r.t. various environmental parameters. Environmental friendly sustainable technology should be implemented for mitigating such parameters.	Being Complied <ul style="list-style-type: none"> • 02 Nos. high pressure water spraying systems have been installed at feeder breaker and apron feeder (unloading points). • 03 Nos. high pressure water spraying systems have been installed at transfer towers, stacker-reclaimer and at rapid loading system (Coal Silo), water spraying is being done in the form of mist. • A network of static sprinklers has been installed at Coal Stock Yard and mist fog cannon (Truck Mounted) in operation for controlling fugitive emissions in CHP Area.
2.10	Adequate number of Fog canon (mist sprayer) shall be installed to reduce the impact of air	Complied <ul style="list-style-type: none"> • 52 nos. Static high pressure Water Sprinklers have been installed in length of 2.6 KM along the

	pollution at dust generating sources with time bound action plan.	<p>coal transport road from mine to CHP and are in operation.</p> <ul style="list-style-type: none"> • Mist fog cannon (Truck Mounted) in operation in the Mines, haul road and CHP area to reduce the impact of air pollution. • Fixed Mist fog Cannon water sprinkler has been installed at near railway siding area.
2.11	PP should Install Wind breaker/shield arrangement along the railway siding for reducing the dust propagation in upwind direction.	<p>Complied</p> <p>Wind Breaking Screen 54m long, 3 to 6m height at Coal Unloading Point (Apron Feeder) and Wind Breaking Wall 200 m long at Wharf Wall have been constructed for reducing the dust propagation in upwind direction.</p>
2.12	Post environmental closure third party monitoring by reputed institute in air quality, water, land & soil etc. shall be carried out and analysed with EMP measures at regular interval. A suitable recommendation in this regard, shall be furnished to IRO, MoEF&CC for compliance. The data used for analysis shall be obtained from continuous AQMS, site specific water regime. Also third party shall analyses the implementation of river diversion, meeting to the requirement of project report.	<p>Agreed to Comply</p>
3.	Water Quality Monitoring And Mitigation Measures	
3.1	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR 742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.	<p>Being Complied</p> <ul style="list-style-type: none"> • Mine water is being collected in sumps and used in dust suppression and plantation. • Oil and grease trap has been provided for workshop effluents. • ETP (80 KLD) has been installed to treat effluent of CHP/Workshop area.

**TREATED EFFLUENT WATER RESULTS:-
(80 KLD ETP)**

For the period of April, 2024 – September 2024

Month	Date of Sampling	PH	COD Mg/l	BOD Mg/l	TSS Mg/l	O/G Mg/l	Temperature Degree C	TDS Mg/l	Chloride Mg/l
Apr-24	03.04.2024	7.43	42.35	8.5	26.0	<0.4	26.2	132	14.0
	17.04.2024	7.42	40.16	8.4	25.0	<0.4	26.0	128	12.0
May-24	07.05.2024	7.38	41.65	7.4	18.0	<0.4	26.4	112	10.0
	21.05.2024	7.40	43.55	7.8	21.0	<0.4	26.6	114	16.0
June-24	04.06.2024	7.50	49.55	8.40	24.0	<0.4	26.5	138	14.0
	18.06.2024	7.49	46.28	7.80	22.0	<0.4	26.4	135	12.0
July-24	03.07.2024	7.51	47.64	8.00	25.0	<0.4	27.2	145	17.0
	17.07.2024	7.47	44.30	7.50	20.0	<0.4	26.5	136	13.0
Aug-24	06.08.2024	7.48	64.56	7.80	24.0	<0.4	29.0	142	16.0
	20.08.2024	7.45	43.70	7.60	22.0	<0.4	28.4	140	14.0
Sep-24	03.09.2023	7.46	50.84	7.70	20.0	<0.4	27.8	146	23.0
	17.09.2023	7.50	54.62	8.20	22.0	<0.4	27.0	151	24.0
	Limits	5.5-9	250	30	100	10		2100	1000

3.2

The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-1A.11 (M) dated 27th May, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.

Being Complied

The monitoring data of water & waste water are being uploaded on the company's website along with six month compliance report and same displayed at Mine gate.

3.3	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new Piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.	<p>Being Complied</p> <ul style="list-style-type: none"> • 05 nos. of piezometers holes have been constructed in mining lease area. Where 01 No. of Digital Water Level Recorder with telemetry system and 01 No. of Digital Water Level Recorder have been installed for the monitoring of ground water level and 10 nos. of dug wells have been selected for monitoring of groundwater level in buffer zone area. • Monitoring of groundwater level from existing dug wells and piezometers is being carried out four times in a year and the results are being submitted to MoEF&CC, Regional Office, Bhopal and CPCB, Zonal Office, Bhopal etc. • Regular monitoring of ground water quality is being done and being submitted to MoEF&CC, Regional Office, Bhopal and CPCB, Zonal Office, Bhopal etc.
3.4	Monitoring of water quality upstream and downstream of river including ponds, lakes, tanks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.	<p>Being Complied</p> <ul style="list-style-type: none"> • Monitoring of surface water quality upstream and downstream of (Kanchan Nala) is being carried out once in six month by M/s Vardan EnviroLab, Gurugram, NABL and MoEF& CC approved laboratory. Surface water quality results are found well within prescribed limit. Surface water quality reports are attached as Annexure- 02. • Regular monitoring of surface water quality is being done and reports are being submitted to MoEF&CC, Regional Office, Bhopal and CPCB, Zonal Office, Bhopal etc.
3.5	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.	<p>Being Complied</p> <ul style="list-style-type: none"> • No ground water is being used for mining operations, only treated mine water is being used in dust suppression and plantation. • 04 nos. of rain water harvesting pits are constructed at core zone for recharging of ground water table. Photos of rainwater harvesting structures are attached as Annexure- 03.

3.6	The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side, stabilized with plantation so as to withstand the peak water pressure preventing any chance of mine inundation.	<p>Complied</p> <ul style="list-style-type: none"> • There is no alteration of major water channel (Kanchan river) around the site. • Kanchan river is flowing on the eastern side of the mine boundary in its original course. Appropriate embankment in the form of retaining wall of 3209 mtrs long (2 meter height, 2.45 meter width at base and 0.45 meter at the top) has been constructed along Kanchan river along with plantation. • Besides the retaining wall 3676 meter length of Gabion walls have been constructed at the toe of Dump A& B with adequate height (3-4 meter) and width (1-3 meter). • Mine entry is about 50 m above the river water course. Therefore, there is no chance of mine inundation.
3.7	Garland drains (of suitable size, gradient and length) around the critical areas i.e. mine shaft and low lying areas, shall be designed keeping at least 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine sites. The sump capacity shall also provide adequate retention period to allow proper settling of silt material of the surface runoff	<p>Being Complied</p> <ul style="list-style-type: none"> • Garland drains 46.95 km of suitable size, gradient and length have been constructed around the critical areas keeping at least 50% safety margin over and above the peak sudden rainfall. • The retention capacity (2.45 lac m³) of sumps is adequate to allow proper settling of silt material of the surface run off.
3.8	The water pumped out from the mine, after siltation, shall be utilized for industrial purpose viz. watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly	<p>Being Complied</p> <p>Mine water seepage is being collected in sumps and used in dust suppression and plantation. All drains are being regularly de-silted during the monsoon and also being maintained properly after monsoon.</p>
3.9	Industrial waste water from coal handling plant and mine water shall be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to	<p>Being Complied</p> <ul style="list-style-type: none"> • Oil and grease trap has been provided for workshop effluents. • In addition to the above, ETP (80 KLD) has been installed to treat effluent of CHP/Workshop area. • S.T.P. 300 KLD has been constructed and in operation for domestic waste water treatment and the parameters are within the prescribed limits.

time. Oil and grease trap shall be installed before discharge of workshop effluent. Sewage treatment plant of adequate capacity shall be installed for treatment of domestic waste water.

**TREATED WASTE WATER RESULTS:-
(300 KLD STP)**

For the period of April 2024 – September 2024

Month	Date of Sampling	pH (at 25 degree C)	COD	TSS	Oil and Grease	Temperature	BOD (3 days at 27 degree C)	Fecal Coli form
24-April	03/04/2024	7.28	76.42	18.00	<0.2	25.9	16.00	22
	17/04/2024	7.30	82.54	20.00	<0.2	25.8	17.00	23
24-May	07/05/2024	7.22	78.86	23.00	<0.2	26.0	14.00	50
	21/05/2024	7.25	80.20	24.00	<0.2	26.2	15.00	60
24-June	04/06/2024	7.21	72.30	16.00	<0.2	26.8	12.00	30
	18/06/2024	7.27	77.56	18.00	<0.2	24.3	16.00	40
24-July	03/07/2024	7.20	70.86	17.00	<0.2	26.0	13.00	34
	17/07/2024	7.26	78.15	21.00	<0.2	25.8	15.00	50
24-Aug	06/08/2024	7.24	73.60	18.00	<0.2	27.4	16.00	23
	20/08/2024	7.29	76.82	20.00	<0.2	26.8	17.00	27
24-Sep	03/09/2024	7.28	74.85	25.00	<0.2	26.8	14.00	30
	17/09/2024	7.31	78.92	28.00	<0.2	26.4	15.00	40
	Limits	5.5-9	250	100	10		30	<1000

3.10

Adequate groundwater recharge measures shall be taken up for augmentation of ground water. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.

Being Complied

• A rain water harvesting plan for core as well as buffer zone has been prepared by a reputed consultancy firm (Hydro-Geosurvey Consultants Private Limited, Jodhpur). Restoration and rejuvenation of 05 nos. existing ponds in 05 different locations like Majhauri, Ujjaini, Pachour, Tenduha and Jignawah villages as suggested in rain water harvesting plan have been done. 04 nos. of rain water harvesting pits are constructed at core zone for recharging of ground water table. Photos of rainwater harvesting structures are attached as **Annexure- 03**.

3.11	<p>The surface drainage plan including surface water conservation plan for the area of influence affected by the said mining operations shall be prepared, considering the presence of any river/rivulet/pond/lake etc., with impact of mining activities on it, and implemented by the project proponent. The surface drainage plan and/or any diversion of natural water courses shall be as per the provisions of the approved Mining Plan/ EIA-EMP submitted to this Ministry and the same should be done with due approval of the concerned State/GoI Authority. The construction of embankment to prevent any danger against inrush of surface water into the mine should be as per the approved mining plan and as per the permission of DGMS.</p>	<p>Being Complied</p> <ul style="list-style-type: none"> • Catch/garland Drains all along the periphery of dumps and workings are constructed to prevent surface run off of water and channelize it to siltation ponds during monsoon period. • 18 Nos. of siltation ponds have been constructed to arrest silt and sediments flown from dumps. • Regular desiltation of garland drains, catch drains, siltation ponds is being done. • Retaining walls of 3209 mtrs long (2 meter height, 2.45 meter width at base and 0.45 meter at the top) at the toe of external overburden Dump 'A' & 'B' have been constructed to check run-off and siltation. • There is no requirement of any diversion of natural water course of Kanchan Nala. <p>There is no danger against inrush of surface water in to the mine as mine entrance is about 50 mtrs above the river water course. (As per Coal Mines Regulations 2017, danger limit against inrush of surface water into the mine is stipulated as 1.5 mtrs above the HFL of river.</p>
3.12	<p>The project proponent shall take all precautionary measures to ensure reverian/ riparian ecosystem in and around the coal mine upto a distance of 5 km. A revarian /riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.</p>	<p>Complied</p> <p>Riverine/Riparian Ecosystem conservation & Management Plan has been prepared by GreenCindia Consulting Private Ltd and compliance of recommendations is under progress.</p>
3.13	<p>Domestic water shall be providing to the residents/villages which are coming under the zone of influence of the project due to ground water extraction by installing a RO plant with proper supply line and Taps within 2 years</p>	<p>Not Applicable</p> <p>There is no resident/village coming under the zone of influence of the project. Radius of influence of project is 521 m as per 'Comprehensive Hydrological Report 2023' and it is limited to the periphery of the mine boundary only.</p>

3.14	No obsolete technologies for sewage treatment shall be implemented. Construction of Sewage Treatment Plant with latest technology should be completed within 2 years and treated water shall be reused for plantation. CTE and CTO of STP shall be obtained as per the norms.	<p>Complied</p> <ul style="list-style-type: none"> • S.T.P. 300 KLD with latest technology has already been constructed and in operation for domestic waste water treatment and the parameters are within the prescribed limits. • Consent to Operate for STP has been obtained from M.P. Pollution Control Board (MPPCB)-Bhopal vide Outward No: - 119978, 12/3/2024 Consent No. – AW -59907 valid up to 28/02/2025 as per The Water (Prevention and control of pollution) Act 1974. 																																																		
<p>4. Noise And Vibration Monitoring And Prevention</p>																																																				
4.1	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.	<p>Being Complied</p> <ul style="list-style-type: none"> • Regular monitoring of work zone noise level is being done for HEME operator cabin and Noise level is below 75 dB (A). • Ear plugs/ muffs have been provided to workers as per requirement. <p>Noise Monitoring Results for the period April, 2024 to September 2024 is mentioned in the table below:-</p>																																																		
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		August-2024	Mine Office (Core Zone)	57.78	48.99
			Vill - Majhuli	43.30	36.97
			Vill – Kunda	39.35	33.54
			Vill -Manihari	41.12	34.58
		Sep-2024	Mine Office (Core Zone)	58.22	53.13
			Vill - Majhuli	43.84	36.91
			Vill – Kunda	41.12	34.58
			Vill -Manihari	43.06	35.70
			CPCB Limit in dB(A) Leq (Industrial Area)	75	70
			CPCB Limit in dB(A) Leq (Residential Area)	55	45
4.2	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.	Being Complied <ul style="list-style-type: none"> Noise level survey has been carried out and monitoring report has been submitted on monthly basis to the office of RO, MPPCB and IT Cell MPPCB Bhopal. Report is being submitted on six monthly basis to the Ministry/RO. 			
5.	Mining Plan				
5.1	5-Star Rating is mandatory to obtain certification as per guidelines of Ministry of Coal.	Being Complied 5- Star Rating inspection is being done every year as per guidelines of Ministry of Coal & Amelia (North) Coal Mine has been obtained 5-Star Rating certificate for the FY 2020-21 & 21-22.			
5.2	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.	Being Complied Mining is carried out as per provisions of Mines Act 1952 and subordinate legislations made there-under as applicable.			
5.3	No change in mining method i.e. UG to OC, calendar programme and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).	Agreed and Noted. No underground mining is carried out. Mining is being done only by OC method.			
5.4	Mining shall be carried out as per the	Being Complied			

	approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).	Mining is being carried out by approved mining plan (including Mine Closure Plan) abiding by mining laws related to coal mining and the relevant circulars issued by Directorate General Mines Safety (DGMS).
5.5	Under ground work place environmental conditions shall be rendered ergonomic and air breathable with adequate illumination in conformance with DGMS standards.	Not Applicable No underground mining is carried out. Mining is being done only by OC method.
5.6	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.	Complied All necessary approvals and clearances have been obtained and The details are as follows:- <ul style="list-style-type: none"> • Forest Clearance was received for 728.75 ha. Forest land vides MoEF, letter no. 8-8/2007/FC, dated 30.11.2012. • Forest Department, Govt. of Madhya Pradesh, Bhopal letter no. D-2270/3521/2012/10-3 dated 24.12.2012. • Principal Chief Conservator of Forest (Land Management) – Office Madhya Pradesh - Bhopal letter no. F-1/442/07/10-11/260 dated: 16.01.2013 • Divisional Forest Officer – Singrauli (Madhya Pradesh) letter no. M.chi./212 dated: 21.01.2013. • Forest Clearance has been received for 728.75 ha. Forest land vide MoEF&CC, letter no. 8-08/2007/FC. Dated: 11.05.2015. • Forest Department, Govt. of Madhya Pradesh, Bhopal letter no. 919/1390/2015/10-3, Bhopal, Dated:- 20.05.2015. Mining is being carried out in forest land as per applicable laws.
5.7	Efforts should be made to reduce energy and fuel consumption by conservation by, efficiency improvements and use of renewable energy.	Being Complied <ul style="list-style-type: none"> • Regular Maintenance of haul roads is being done in respect of proper gradient and leveling. • All Mining equipments are being maintained with scheduled periodical and preventive maintenance. • Necessary initiatives have been taken to reduce energy consumption like replacing conventional light with LEDs. Using star rated ACs and other electrical appliances. • 2 KVA solar lighting have been fitted at Magazine area, Amelia (North) Coal Mine. • 02 no Electric Vehicles (EVs) have been procured and in operation as LMV.

5.8	Transportation by Railway Siding shall be developed to avoid transportation by Road.	<p>Being Complied Amelia (North) Coal Mine is captive coal mine of Jaypee Nigrie Super Thermal Power Plant (JNSTPP) and Coal is being sent to silo through belt conveyor from CHP and then loaded into Railway Wagons for onward movement to JNSTPP. No road transportation is being done outside mine premises</p>
6	Land Reclamation	<p>Being Complied Digital Survey of entire lease hold area/Core zone using Satellite Remote Sensing survey is being carried out once in three years. The latest land use pattern report for Year-2022 (Period – once in three years) has been submitted vide letter no. Ref.: JPVL/Amelia/Mine/2022-23/269, date: 08.04.2022 to MoEF&CC, Regional Office, Bhopal.</p>
6.1	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change(MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).	
6.2	Post-mining land be rendered usable for agricultural/forestry purposes and shall be handed over to the respective State Government, as specified in the Guidelines for Preparation of Mine Closure Plan, issued by the Ministry of Coal dated 27th August, 2009 and subsequent amendments.	Agreed & Noted
6.3	Regular monitoring of subsidence movement on the surface over and around the working areas and its impact on natural drainage pattern, water bodies, vegetation, structure, roads and surroundings shall be continued till movement ceases completely. In case of observation of any high rate of subsidence beyond the limit prescribed, appropriate effective mitigation measures shall be taken to avoid loss of life and materials. Cracks should be effectively plugged in with ballast and clay soil/suitable material.	<p>Agreed & Noted We agree to comply that said stipulations in future when underground mining starts.</p>

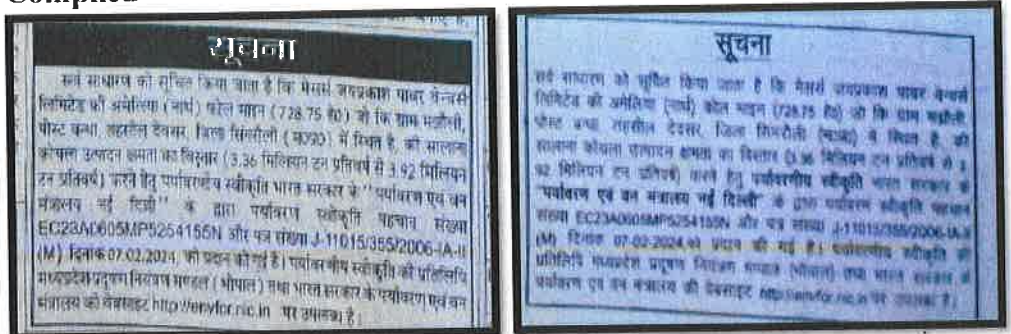
6.4	Fly ash shall be used for external dump of overburden, backfilling or stowing of mine as per provisions contained in clause (i) and (ii) of subparagraph (8) of fly ash notification issued vide SO 2804 (E) dated 3 rd November, 2009 as amended from time to time. Efforts shall be made to utilize gypsum generated from Flue Gas Desulfurization (FGD), if any, along with fly ash for external dump of overburden, backfilling of mines. Compliance report shall be submitted to Regional Office of MoEF&CC, CPCB and SPCB.	<p>Not Applicable</p> <p>As per the Office Memorandum of Hazardous Substances Management Division of MoEF&CCF.No. 11/03/2018-HSMD dated 09.04.2024 for SOP for carrying out feasibility studies for mixing of ash with overburden/ backfilling in operational mines in case of opencast/underground mines as the case may be, according to S.No. 1 “ As per past study reports it is concluded that mixing of fly ash in running mines is not feasible due to safety issues.”</p> <p>As per the study conducted for fly ash utilisation done through CSIR - Central Institute of Mining & Fuel Research, Dhanbad (CSIR –CIMFR) for Amelia (North) Coal Mine and prepared the report on 09.07.2024, the conclusion of the study is mentioned below:-</p> <p>The mine is working at a very high striping ratio (more than 08) and may face difficulties of space for accommodation of OB for in-pit dumping itself. If pond/fly ash is added with OB and dumped as internal dump, an additional quantity of pond/fly ash to be handled will be 264.86 Mm3 (considering 25 percentage of mix with OB for its dumping) and the total quantity of OB and fly ash to be handled will be 718.32 Mm3. This will result into increase in dump height and thereby high probability of dump failure during mining operation. Failure of dump slopes will result into high casualties to man and machine of the mine and at the same time will also stop coal supply to the captive thermal power plants and may endanger the energy security.</p> <p>Considering the above, presently planning for utilizing pond/fly ash with OB for dumping as internal dump may not be technically feasible. However, dumping of pond/fly ash may be considered after closure of opencast operation and during operation of underground mine.</p>
6.5	A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.	<p>Agreed & Noted</p> <p>We agree to comply the said stipulations in future when underground mining starts.</p>
6.6	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.	<p>Agreed & Noted</p> <p>We agree to comply the said stipulations in future when underground mining starts.</p>
6.7	Native tree species shall be selected and planted over areas affected by subsidence.	<p>Agreed & Noted</p> <p>We agree to comply said stipulation in future when underground mining start.</p>

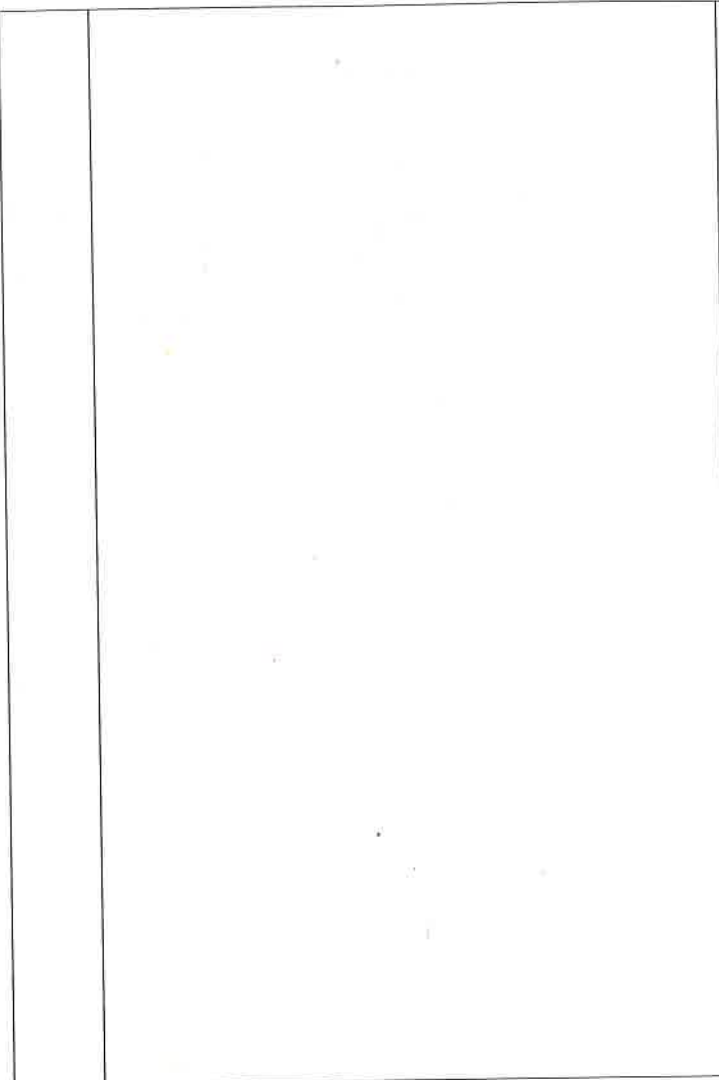
6.8	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in Consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.	Not Applicable No Grazing land is involved in the core zone of the project.
7.	Public Hearing and Human Health issues	
7.1	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.	Being Complied <ul style="list-style-type: none"> All mine locations are illuminated as per the DGMS standards and monitoring is regularly being done on monthly basis.
7.2	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.	Being Complied <ul style="list-style-type: none"> Total Medical Examination for 4221 no (IME- 2911& PME- 1310) has been carried out up to September 2024 as per Mines Rules, 1955. Health check-up / Medical Examination of 139 no (IME- 136& PME-3) employees have been carried out as per Mines Rules, 1955 from April 2024 to Sep 2024. There is no such case of occupational disease or hearing impairment.
7.3	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.	Being Complied <ul style="list-style-type: none"> Personnel Protective respiratory devices/masks are provided to employees working in mine area. Training programme is organized regularly for personnel working in dusty areas by qualified training officer and trainers at Amelia (North) Coal Mine as per provision of the Mine Vocational Training Rules, 1966. Dust survey is being carried out regularly in mine and CHP area as per provisions of Coal Mines Regulations, 2017
7.4	Skill training as per safety norms specified by DGMS shall be provided to all workmen	Being Complied <ul style="list-style-type: none"> Skills training as per safety norms specified by DGMS are being provided to all workmen

	including the outsourcing employees to ensure high safety standards in mines.	including outsourcing employees at Vocational Training Centre.
7.5	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.	Being Complied RO water supply is being provided to all mining personnel at suitable locations of mine premises.
7.6	Implementation of the time bound action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the time bound action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy Government, as applicable.	Noted & Agreed Public hearing is not required because in the case of projects seeking expansion up to a capacity of 50%, MoEF&CC's office memorandum no. F. No. IA3-22/10/2022-IA.III [E 177258] dated 11.04.2022.
7.7	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.II (M) dated 20th October, 2014. titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.	Not applicable There is no habitation in the mining lease area.
7.8	PP to conduct need based assessment survey of the area to for in order to decide the activities to be carried under the CSR and to provide detail of the activity carried out with adequate budgetary provision and time bound action plan.	Agreed to Comply Although PP spent 86.21 lacs in FY 2023-24 on CSR activities for Amelia (North) Coal Mine.
7.9	PP should conduct epidemiology study to (analysis of the distribution, patterns and determinants of health and disease conditions	Agreed & Noted

	in defined populations).	
7.10	Permanent Health care facilities of Hospital should be established within 5 km of project boundary for the local people.	Complied A primary Healthcare facility has been developed for the local people with in project area.
7.11	PP must ensure an emergency action plan during pandemic in order to provide assistance to the nearby villages located within the 10 km radius buffer zone (If required)	Agreed & Noted
7.12	PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone with time bound action plan	Agreed to Comply
7.13	PP to take measure for installation of Renewable Energy sources in nearby area falling within 10 km radius	Agreed to Comply
8.	Corporate Environment Responsibility	
8.1	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements / deviation / violation of the Environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders.	Complied The company has laid down environmental policy duly approved under integrated management system for Amelia (North) Coal Mine.
8.2	A separate Environmental Cell both at the project and company head quarter level, with	Complied Environmental Management cell has been established at under the chairmanship of Sh. Rajneesh

	qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization	<p>Gaur (Executive Senior Joint President) and other members are as follows:-</p> <table border="1" data-bbox="824 225 2110 523"> <thead> <tr> <th>S. No.</th> <th>Name</th> <th>Designation</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Shri Uma Shankar</td> <td>Sr. Vice-President</td> </tr> <tr> <td>2</td> <td>Shri Krishna Chandra</td> <td>Vice-President (Mines)</td> </tr> <tr> <td>3</td> <td>Shri P. L. Birla</td> <td>Add. GM (Civil)</td> </tr> <tr> <td>4</td> <td>Shri Sanjai Kashyap</td> <td>Asst. Manager (Env), Head Quarter</td> </tr> <tr> <td>5</td> <td>Shri Sandeep Kr Sharma</td> <td>Asst. Manager (Env)</td> </tr> <tr> <td>6</td> <td>Nitesh Kushwaha</td> <td>Officer (Env)</td> </tr> </tbody> </table>	S. No.	Name	Designation	1	Shri Uma Shankar	Sr. Vice-President	2	Shri Krishna Chandra	Vice-President (Mines)	3	Shri P. L. Birla	Add. GM (Civil)	4	Shri Sanjai Kashyap	Asst. Manager (Env), Head Quarter	5	Shri Sandeep Kr Sharma	Asst. Manager (Env)	6	Nitesh Kushwaha	Officer (Env)
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8.3	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry / Regional Office along with the Six Monthly Compliance Report.	<p>Being Complied Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company has been prepared and duly approved by competent authority and submitted with EIA Report. A separate fund has been earmarked for environmental protection measures and is being maintained by finance and accounts department of the company at site. Details of operational and maintenance expenditures are given below:-</p> <table border="1" data-bbox="840 751 2123 869"> <thead> <tr> <th>Year</th> <th>Expenditure (INR)</th> </tr> </thead> <tbody> <tr> <td>April 2024 to Sep 2024</td> <td>72.61Lacs</td> </tr> </tbody> </table>	Year	Expenditure (INR)	April 2024 to Sep 2024	72.61Lacs																	
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8.4	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	<p>Being Complied Self environmental audit is being conduct annually and third party environmental audit has been carried out in the month of February, 2024.</p>																					
8.5	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground. A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring	<p>Complied A well-equipped Environmental Laboratory with qualified staff has been established for monitoring and analysis of environmental parameters. Environmental Management cell has been established under the chairmanship of Shri Rajneesh Gaur (Executive Senior Joint President) and other members are as under-</p>																					

	of air, water quality parameters on routine basis. Any non- compliance or infringement should be reported to the concerned authority	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Name</th> <th>Designation</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Shri Uma Shankar</td> <td>Sr .Vice-President</td> </tr> <tr> <td>2</td> <td>Shri Krishna Chandra</td> <td>Vice-President (Mines)</td> </tr> <tr> <td>3</td> <td>Shri P. L. Birla</td> <td>Add. GM (Civil)</td> </tr> <tr> <td>4</td> <td>Shri Sandeep Kr Sharma</td> <td>Asst. Manager (Env)</td> </tr> <tr> <td>5</td> <td>Shri Nitesh Kushwah</td> <td>Officer (Env)</td> </tr> <tr> <td>6</td> <td>Shri Sudhir Singh</td> <td>Environment Chemist</td> </tr> </tbody> </table>	S. No.	Name	Designation	1	Shri Uma Shankar	Sr .Vice-President	2	Shri Krishna Chandra	Vice-President (Mines)	3	Shri P. L. Birla	Add. GM (Civil)	4	Shri Sandeep Kr Sharma	Asst. Manager (Env)	5	Shri Nitesh Kushwah	Officer (Env)	6	Shri Sudhir Singh	Environment Chemist
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9	Miscellaneous																						
9.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	<p>Complied</p> 																					
9.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayat and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	<p>Complied</p>																					



AMELIA NORTH COAL MINE
 A UNIT OF JAIPRAKASH POWER VENTURES LIMITED
 ISO CERTIFIED: 9001:2015, 14001:2015 & 45001:2018

JAIPRAKASH
POWER VENTURES LIMITED

Date: 09/02/2024

To: The District Magistrate/Collector
 Singrauli
 Madhya Pradesh

Subject: Regarding information for grant of Environmental Clearance (Expansion of Amelia (North) Coal Mine Combined OC & HC Coal mine with increase of production capacity from 3.36 MTPA to 4.92 MTPA in Mine Lease area of 720.75 ha. by M/s Jaiprakash Power Ventures Limited at village Majhauk, Tehsil Deosar, District Singrauli (Madhya Pradesh).

Reference: 1. EC Identification Number EC23A0605MP5254255N Dated 07/02/2024.
 2. File No. 1-11015-355/2006-IA(HM)

Sir,
 We are submitting herewith the copy of Environmental clearance letter (EC) with reference to a/cer mentioned EC Identification No. EC23A0605MP5254255N and File No. 1-11015-355/2006-IA(HM) dated 07/02/2024 for Expansion of Amelia (North) Coal Mine Combined OC & HC Coal mine with the increase of production capacity from 3.36 MTPA to 4.92 MTPA in Mine Lease area of 720.75 ha. by M/s Jaiprakash Power Ventures Limited at village Majhauk, Tehsil Deosar, District Singrauli (Madhya Pradesh) Environment Clearance under OM dated 11/04/2022 (Stage-I) expansion etc.

This is for your kind information and acceptance please.

Yours faithfully,
 M/s Jaiprakash Power Ventures Limited
 (Authorized Signatory)

Copy to: 1. Divisional Forest Officer, Distt. - Singrauli (M.P.)
 2. Sub-Divisional Magistrate - (E) pgsr (M.P.)
 3. The Chief Executive Officer (Forest) Panchayat, Teh Deosar, Distt. - Singrauli (M.P.)
 4. Regional Officer, Regional Office, M.P. Pollution Control Board - Waidhan, Distt. - Singrauli (M.P.)
 5. Sarpanch/Secretary Gram Panchayat Majhauk, Teh Deosar, Distt. - Singrauli (M.P.)

JAYPEE
 GROUP

Sd/-
 (Authorized Signatory)
 M/s Jaiprakash Power Ventures Limited

Sir Amelia North Coal Mine, N/A, N/A, N/A, P.O. Bardiya, Distt. Deosar, Distt. Singrauli, Madhya Pradesh, India - 480004
 Ph: +91 9625761195, 06743044111, 06743044112, 06743044113
 06743044114, 06743044115, 06743044116, 06743044117
 Ph: +91 (11) 26141100, 26141101, +91 (11) 26145454, 26145455
 Corporate Office: Jaiprakash Power Ventures Limited, B-10, Sector-10, Connaught Place, New Delhi-110028
 Ph: +91 (11) 26141100, 26141101, 26141102, 26141103, 26141104, 26141105, 26141106, 26141107, 26141108, 26141109, 26141110, 26141111, 26141112, 26141113, 26141114, 26141115, 26141116, 26141117, 26141118, 26141119, 26141120, 26141121, 26141122, 26141123, 26141124, 26141125, 26141126, 26141127, 26141128, 26141129, 26141130, 26141131, 26141132, 26141133, 26141134, 26141135, 26141136, 26141137, 26141138, 26141139, 26141140, 26141141, 26141142, 26141143, 26141144, 26141145, 26141146, 26141147, 26141148, 26141149, 26141150, 26141151, 26141152, 26141153, 26141154, 26141155, 26141156, 26141157, 26141158, 26141159, 26141160, 26141161, 26141162, 26141163, 26141164, 26141165, 26141166, 26141167, 26141168, 26141169, 26141170, 26141171, 26141172, 26141173, 26141174, 26141175, 26141176, 26141177, 26141178, 26141179, 26141180, 26141181, 26141182, 26141183, 26141184, 26141185, 26141186, 26141187, 26141188, 26141189, 26141190, 26141191, 26141192, 26141193, 26141194, 26141195, 26141196, 26141197, 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26141998, 26141999, 26142000, 26142001, 26142002, 26142003, 26142004, 26142005, 26142006, 26142007, 26142008, 26142009, 26142010, 26142011, 26142012, 26142013, 26142014, 26142015, 26142016, 26142017, 26142018, 26142019, 26142020, 26142021, 26142022, 26142023, 26142024, 26142025, 26142026, 26142027, 26142028, 26142029, 26142030, 26142031, 26142032, 26142033, 26142034, 26142035, 26142036, 26142037, 26142038, 26142039, 26142040, 26142041, 26142042, 26142043, 26142044, 26142045, 26142046, 26142047, 26142048, 26142049, 26142050, 26142051, 26142052, 26142053, 26142054, 26142055, 26142056, 26142057, 26142058, 26142059, 26142060, 26142061, 26142062, 26142063, 26142064, 26142065, 26142066, 26142067, 26142068, 26142069, 26142070, 26142071, 26142072, 26142073, 26142074, 26142075, 26142076, 26142077, 26142078, 26142079, 26142080, 26142081, 26142082, 26142083, 26142084, 26142085, 26142086, 26142087, 26142088, 26142089, 26142090, 26142091, 26142092, 26142093, 26142094, 26142095, 26142096, 26142097, 26142098, 26142099, 26142100, 26142101, 26142102, 26142103, 26142104, 26142105, 26142106, 26142107, 26142108, 26142109, 26142110, 26142111, 26142112, 26142113, 26142114, 26142115, 26142116, 26142117, 26142118, 26142119, 26142120, 26142121, 26142122, 26142123, 26142124, 26142125, 26142126, 26142127, 26142128, 26142129, 26142130, 26142131, 26142132, 26142133, 26142134, 26142135, 26142136, 26142137, 26142138, 26142139, 26142140, 26142141, 26142142, 26142143, 26142144, 26142145, 26142146, 26142147, 26142148, 26142149, 26142150, 26142151, 26142152, 26142153, 26142154, 26142155, 26142156, 26142157, 26142158, 26142159, 26142160, 26142161, 26142162, 26142163, 26142164, 26142165, 26142166, 26142167, 26142168, 26142169, 26142170, 26142171, 26142172, 26142173, 26142174, 26142175, 26142176, 26142177, 26142178, 26142179, 26142180, 26142181, 26142182, 26142183, 26142184, 26142185, 26142186, 26142187, 26142188, 26142189, 26142190, 26142191, 26142192, 26142193, 26142194, 26142195, 26142196, 26142197, 26142198, 26142199, 26142200, 26142201, 26142202, 26142203, 26142204, 26142205, 26142206, 26142207, 26142208, 26142209, 26142210, 26142211, 26142212, 26142

	the same on half-yearly basis.	
9.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Being Complied Six monthly reports are being regularly submitting through E-mail to the Regional office of MoEF& CC, the respective Zonal office of CPCB and the SPCB, EC Compliance report is being upload at MoEF& CC website through dedicated portal on Parivesh.
9.5	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Being complied The Environmental statement i.e. Form-V is being submitted regularly for each FY. Environmental Statement for FY 2023 – 24 has been submitted vide letter no. JPVL / Amelia / Mines / 2024-25 / 153 dated 29.08.2024.
9.6	The project authorities shall inform to the Regional Office of the MOEF&CC regarding commencement of mining operations.	Complied

AMELIA NORTH COAL MINE

A UNIT OF JAIPRAKASH POWER VENTURES LIMITED
ISO CERTIFIED: 9001: 2015, 14001: 2015 & 45001: 2018



JAIPRAKASH
POWER VENTURES LIMITED

Letter No. JPVL/Amelia (N) Mine/2023-24/ #38

Date: 17.03.2024

To,
The Director,
Regional Office,
Ministry of Environment, Forests & Climate Change,
Kendriya Paryavaran Bhawan, GOI
E-9 Ravi Shankar Nagar, Link Road No. 3,
Bhopal-462018 (M.P.)

Sub: Information regarding commencement of mining operations at Amelia (North) Coal Mine of M/s Jaiprakash Power Ventures Limited, located in Village- Majhauji, Tehsil- Dewar, District- Singrauli (M.P.).

Reference: EC Identification No. EC 33 A6605MP5254155N and EC No. 311015/755/2005-IA. II (M) dated 07th February 2024 by MOEF&CC (GOI) New Delhi, Production Capacity from 3.36 to 3.92 MTPA for Amelia (North) Coal Mine of M/s Jaiprakash Power Ventures Limited

Sr,

We hereby inform to your good self that mining operations at Amelia (North) Coal Mine of M/s Jaiprakash Power Ventures Limited have been commenced on dated 12.01.2024 for enhanced production capacity, 3.92 MTPA, after getting CTO (Air and Water) from MPPCB.

This is for your kind information and acceptance please.

Thanking you

Yours faithfully

For Jaiprakash Power Ventures Ltd


Rajneesh Gaur
(Authorized Signatory)

Encl: Copy of CTO (Air and Water) issued by MPPCB

Handwritten: 21/3/24

JAYPEE
GROUP

Site : Amelia North Coal Mine, Vill. Majhauji, P.O. Dewar, District Dewar, Distt. Singrauli, Madhya Pradesh, India - 481804
Ph: +91 9657781707-09, E-mail: ameliainfo@jpv.com
Corp. Office : 1A House, 63 Bapat Lok, Vasant Vihar, New Delhi-110057 India
Ph: +91 11 26141540, 26147311 Fax: +91 11 26145389, 26145391
Regd. Office : Complex of Jaypee Nigam Super Thermal Power Plant, Nigam, Tehsil Sarai, District Singrauli-486001, Madhya Pradesh
Ph: +91 176011 284021-33 Fax: +91 176011 284020
Website: www.jaiprakashpower.com Email: jpv@jpv.com | jpv@jpv.com
CIN: 401010MP1994KCO4292D


Rajneesh Gaur
Executive Senior Jt. President / Unit Head
Jaiprakash Power Ventures Limited
Amelia (N) Coal Mine

9.7	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted & Agreed
9.8	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted and Agreed Public hearing is not required because in the case of projects seeking expansion up to a capacity of 50%, MoEF&CC's office memorandum no. F. No. IA3-22/10/2022-IA.III [E 177258] dated 11.04.2022.
9.9	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change.	Noted & Agreed
9.10	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted & Agreed
9.11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted & Agreed
9.12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted & Agreed
9.13	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/monitoring reports.	Noted & Agreed
9.14	The above conditions shall be enforced, inter-alia under the provisions of the Water	Noted & Agreed

	(Prevention & Control of Pollution) Act, 1974, the Air(Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules. 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	
9.15	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during presentation to the EAC. All the commitments made on the issues raised during public hearing shall also be implemented in letter and spirit.	Noted & Agreed Public hearing is not required because in the case of projects seeking expansion up to a capacity of 50%, MoEF&CC's office memorandum no. F. No. IA3-22/10/2022-IA.III [E 177258] dated 11.04.2022.
9.16	Compensation of the land acquired for the project shall be settled as per the R&R Policy. Adequate facility of drinking water, plantation and other social amenities should be provided to established R&R villages.	Complied
9.17	Persons of nearby villages shall be given training on livelihood and skill development to make them employable With its proper records.	Being Complied Livelihood and skill development training are given to persons of nearby villages in vocational training centre for employment and record is being maintained in VTC Amelia (North) Coal Mine.
9.18	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for	Not Applicable There is no habitation near the mining lease area because the mining lease is surrounded by the forest land. However noise levels 70 dB (A) at night are below the prescribed limits as per Noise regulations 2016.

darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.


Rajneesh Gaur
Executive Senior Jt. President/ Unit
Jaiprakash Power Ventures Limited
Amelia (N) Coal Mine

ANNEXURES



Test Report

Sample Number:	VEL/JPVL/A/01	Report No.:	VEL/AP/2409070001
Issued To:	M/s Jaiprakash Power Venture Ltd. JA House, 63 BasantLok, VasantVihar, New Delhi - 110057	Format No.:	7.8 F-03
Wind Direction:	ESE	Party Reference No.:	JPVL/Amelia(N)EnvSer/2024-25 Dated 29 th March 2024
Latitude:	24° 8' 22.40"N	Reporting Date:	11/09/2024
Longitude:	82° 26' 00.32"E	Period of Analysis:	07/09/2024 to 11/09/2024
		Receipt Date:	07/09/2024

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Name & Address of the Project:

Amelia North Coal Mine
Gram: Majhauri, Post: Bandha, Tehsil: Deosar,
Distt. Singrauli (MP)- 486886

Client Representative

: Mr. Uma Shankar (Sr. Vice President)

Sample collected by

: VardanEnviroLab Representative

Sampling Location

: At Mine Site (Mine Office) (Core Zone)

Instrument Used

: RDS

Instrument Code

: VEL/RDS/01

Instrument Calibration Status

: Calibrated,

Meteorological condition during monitoring

: Cloudy sky

Date of Monitoring

: 02/09/2024 to 03/09/2024

Time of Monitoring

: 24 hours

Ambient Temperature (°C)

: Min. 25.0 Max. 33.0

Surrounding Activity

: Human, Vehicular & Mining Activities

Scope of Monitoring

: Regulatory Requirement

Control measure if Any

: Water Sprinkling

Sampling & Analysis Protocol

: IS-5182 & CPCB Guide line

Parameter Required

: Heavy Metals- As, Ni, Hg, Cr, Cd

S. No.	Parameter	Protocol	Result	Unit	Limits as per EP Rules 1986
1.	Arsenic (As)	VEL/ENV/STP/110, Issue No.-01, 01/11/2021	*BLQ(**LOQ 0.1)	ng/ m ³	6
2.	Nickel (Ni)	IS 5182 (P-26)	*BLQ(**LOQ 5.0)	ng/ m ³	20
3.	Mercury (as Hg)	VEL/ENV/STP/129, Issue No.-01, 01/11/2021	*BLQ(**LOQ 1.0)	ng/ m ³	--
4.	Chromium(Cr)	VEL/ENV/STP/129, Issue No.-01, 01/11/2021	*BLQ(**LOQ 1.0)	ng/ m ³	--
5.	Cadmium(Cd)	VEL/ENV/STP/129, Issue No.-01, 01/11/2021	*BLQ(**LOQ 1.0)	ng/ m ³	--

End of Report



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Rajneesh Gaur
Executive Senior Jt. President/ Unit
Jaiprakash Power Ventures Ltd.
Amelia (N) Coal Mine
www.vardan.co.in



Vardan Envirolab LLP

Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:	VEL/JPVL/A/02	Report No.:	VEL/AP/2409070002
Issued To:	M/s Jaiprakash Power Venture Ltd. JA House, 63 BasantLok, VasantVihar, New Delhi - 110057	Format No.:	7.8 F-03
Wind Direction:	ESE	Party Reference No.:	JPVL/Amelia(N) EnvSer/2024-25 Dated 29 th March 2024
Latitude:	24° 09' 48.54"N	Reporting Date:	11/09/2024
Longitude:	82° 23' 53.44"E	Period of Analysis:	07/09/2024 to 11/09/2024
		Receipt Date:	07/09/2024

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Name & Address of the Project:

Amelia North Coal Mine
Gram: Majhauri, Post: Bandha, Tehsil: Deosar,
Distt. Singrauli (MP) - 486886

Client Representative

Sample collected by

Sampling Location

Instrument Used

Instrument Code

Instrument Calibration Status

Meteorological condition during monitoring

Date of Monitoring

Time of Monitoring

Ambient Temperature (°C)

Surrounding Activity

Scope of Monitoring

Control measure if Any

Sampling & Analysis Protocol

Parameter Required

- Mr. Uma Shankar (Sr. Vice President)
- VardanEnvirolab Representative
- WTP - Township (Vill. - Majhauri)
- RDS
- VEL/RDS/02
- Calibrated
- Cloudy sky
- 02/09/2024 to 03/09/2024
- 24 hours
- Min. 25.0 Max. 33.0
- Human & Vehicular Activities
- Regulatory Requirement
- Water sprinkling
- IS-5182 & CPCB Guide line
- Heavy Metals- As, Ni, Hg, Cr, Cd

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Arsenic (As)	VEL/ENV/STP/110, Issue No.-01, 01/11/2021	*BLQ(**LOQ 0.1)	ng m ⁻³	6
2.	Nickel (Ni)	IS 5182 (P-26)	*BLQ(**LOQ 5.0)	ng m ⁻³	20
3.	Mercury (as Hg)	VEL/ENV/STP/129, Issue No.-01, 01/11/2021	*BLQ(**LOQ 1.0)	µg/m ³	--
4.	Chromium(Cr)	VEL/ENV/STP/129, Issue No.-01, 01/11/2021	*BLQ(**LOQ 1.0)	ng m ⁻³	--
5.	Cadmium(Cd)	VEL/ENV/STP/129, Issue No.-01, 01/11/2021	*BLQ(**LOQ 1.0)	ng m ⁻³	--

Note :- *NAAQS - National Ambient Air Quality Standards, Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.
*SOP- Laboratory Standard Operating Procedure.

End of Report



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Customer Care: 8010127843, Ph: 0124-4343750, 9810355569, 9953147268 | E-mail: lab@vardan.co.in, bd@vardan.co.in



Test Report

Sample Number:	VEL/JPVL/A/03	Report No.:	VEL/AP/2409070003
Issued To:	M/s Jaiprakash Power Venture Ltd. JA House, 63 BasantLok, VasantVihar, New Delhi - 110057	Format No.:	7.8 F-03
Wind Direction:	SE	Party Reference No.:	JPVL/Amelia(N)EnvSer/2024-25 Dated 29 th March 2024
Latitude:	24° 08' 43.63"N	Reporting Date:	11/09/2024
Longitude:	82° 23' 28.65"E	Period of Analysis:	07/09/2024 to 11/09/2024
		Receipt Date:	07/09/2024

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Name & Address of the Project:	Amelia North Coal Mine Gram: Majhauri, Post: Bandha, Tehsil: Deosar, Distt. Singrauli (MP)- 486886
Client Representative	: Mr. Uma Shankar (Sr. Vice President)
Sample collected by	: VardanEnviroLab Representative
Sampling Location	: Siyaram' House (Village - Kunda)
Instrument Used	: RDS
Instrument Code	: VEL/RDS/01
Instrument Calibration Status	: Calibrated
Meteorological condition during monitoring	: Cloudy sky
Date of Monitoring	: 03/09/2024 to 04/09/2024
Time of Monitoring	: 24 hours
Ambient Temperature (°C)	: Min. 23.0 Max. 32.0
Surrounding Activity	: Human & Vehicular Activities
Scope of Monitoring	: Regulatory Requirement
Control measure if Any	: No
Sampling & Analysis Protocol	: IS-5182 & CPCB Guide line
Parameter Required	: Heavy Metals- As, Ni, Hg, Cr, Cd

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Arsenic (As)	VEL/ENV/STP/110, Issue No.-01, 01/11/2021	*BLQ(**LOQ 0.1)	ng/ m ³	6
2.	Nickel (Ni)	IS 5182 (P-26)	*BLQ(**LOQ 5.0)	ng/ m ³	20
3.	Mercury (as Hg)	VEL/ENV/STP/129, Issue No.-01, 01/11/2021	*BLQ(**LOQ 1.0)	µg/ m ³	--
4.	Chromium(Cr)	VEL/ENV/STP/129, Issue No.-01, 01/11/2021	*BLQ(**LOQ 1.0)	ng/ m ³	--
5.	Cadmium(Cd)	VEL/ENV/STP/129, Issue No.-01, 01/11/2021	*BLQ(**LOQ 1.0)	ng/ m ³	--

Note : - *NAAQS - National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure.

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Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (HR)
ISO 9001 | ISO 14001 | ISO 45001



Test Report

Sample Number:	VEL/JPVL/A/04	Report No.:	VEL/AP/2409070004
Issued To:	M/s Jaiprakash Power Venture Ltd. JA House, 63 BasantLok, VasantVihar, New Delhi - 110057	Format No.:	7.8 F-03
Wind Direction:	SE	Party Reference No.:	JPVL/Amelia(N)EnvSer/2024-25 Dated 29 th March 2024
Latitude:	24° 10' 21.23"N	Reporting Date:	11/09/2024
Longitude:	82° 25' 16.67"E	Period of Analysis:	07/09/2024 to 11/09/2024
		Receipt Date:	07/09/2024

Sample Description: AMBIENT AIR QUALITY MONITORING

General Information:-

Name & Address of the Project:

Amelia North Coal Mine
Gram: Majhauli, Post: Bandha, Tehsil: Deosar,
Distt. Singrauli (MP) – 486886

Client Representative

Mr. Uma Shankar (Sr. Vice President)

Sample collected by

VardanEnviroLab Representative

Sampling Location

Dwarika Prasad' House (Village – Manihari)

Instrument Used

RDS

Instrument Code

VEL/RDS/02

Instrument Calibration Status

Calibrated

Meteorological condition during monitoring

Cloudy Sky

Date of Monitoring

03/09/2024 to 04/09/2024

Time of Monitoring

24 hours

Ambient Temperature (°C)

Min. 23.0 Max. 32.0

Surrounding Activity

Human & Vehicular Activities

Scope of Monitoring

Regulatory Requirement

Control measure if Any

No

Sampling & Analysis Protocol

IS-5182 & CPCB Guide line

Parameter Required

Heavy Metals- As, Ni, Hg, Cr, Cd

S. No.	Parameter	Protocol	Result	Unit	NAAQS* Limit
1.	Arsenic (As)	VEL/ENV/STP/110, Issue No.-01, 01/11/2021	*BLQ(**LOQ 0.1)	ng/m ³	6
2.	Nickel (Ni)	IS 5182 (P-26)	*BLQ(**LOQ 5.0)	ng/m ³	20
3.	Mercury (as Hg)	VEL/ENV/STP/129, Issue No.-01, 01/11/2021	*BLQ(**LOQ 1.0)	µg/m ³	--
4.	Chromium(Cr)	VEL/ENV/STP/129, Issue No.-01, 01/11/2021	*BLQ(**LOQ 1.0)	ng/m ³	--
5.	Cadmium(Cd)	VEL/ENV/STP/129, Issue No.-01, 01/11/2021	*BLQ(**LOQ 1.0)	ng/m ³	--

Note: -*NAAQS – National Ambient Air Quality Standards; Schedule-VII. [Rule 3 (3B)], [Part-II-sec.-3(i)] 18.11.2009.

*SOP- Laboratory Standard Operating Procedure.

End of Report



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Test Report

Sample Number:	VEL/JPVL/SW/01	Report No.:	VEL/SW/2405080001
Issued To:	M/s Jaiprakash Power Venture Ltd. JA House, 63 BasantLok, VasantVihar, New Delhi - 110057	Format No.:	7.8 F-03
Name of the Project:	Amelia North Coal Mine Gram: Majhauili, Post: Bandha, Tehsil: Deosar, Distt. Singrauli (MP) - 486886	Party Reference No.:	JPVL/Amelia(N)EnvSer/2024-25 Dated 29 th March 2024
Sample Description:	Surface Water	Reporting Date:	13/05/2024
Sample Location:	KanchanNala (Down-Stream)	Period of Analysis:	08/05/2024 to 13/05/2024
Sample Collected by:	VardanEnviroLab Representative	Receipt Date:	08/05/2024
Parameter Required:	As per work order	Sampling Date:	04/05/2024
Sampling and Analysis Protocol:	APHA 23 rd Edition 2017	Sampling Quantity:	2.0 Ltr.
		Sampling Type:	Grab
		Preservation:	Refrigerated

S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25°C)	IS 3025 (P-11)	7.65	--
2.	Colour	IS 3025 (P-4)	*BLQ(**LOQ-1.0)	Hazen
3.	Turbidity	IS 3025 (P-10)	7.6	NTU
4.	Odour	IS 3025 (P-5)	Agreeable	--
5.	Total Hardness as CaCO ₃	IS 3025 (P-21)	143.74	mg/L
6.	Calcium as Ca	IS 3025 (P-40)	28.35	mg/L
7.	Alkalinity as CaCO ₃	IS 3025 (P-23)	134.0	mg/L
8.	Chloride as Cl	IS 3025 (P-32)	24.27	mg/L
9.	Cyanide as CN	IS 3025 (P-27)	*BLQ(**LOQ-0.02)	mg/L
10.	Magnesium as Mg	APHA , 3500 Mg B	9.14	mg/L
11.	Total Dissolved Solids	IS 3025 (P-16)	268.0	mg/L
12.	Sulphate as SO ₄	IS 3025 (P-24)	5.34	mg/L
13.	Fluoride as F	APHA 4500 F D	0.77	mg/L
14.	Nitrate as NO ₃	IS 3025 (P-34) .Chromotropic Method	7.18	mg/L
15.	Iron as Fe	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.01)	mg/L
16.	Residual Free Chlorine	IS:3025 (P-26)	*BLQ(**LOQ 0.15)	mg/L
17.	Aluminium as Al	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.002)	mg/L
18.	Boron	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.1)	mg/L
19.	Total Chromium as Cr	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.002)	mg/L



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Executive Senior Jt. President/ Unit
Jaiprakash Power Ventures Limited
Amelia (N) Coal Mine



Test Report

Sample No.:VEL/JPVL/SW/01			Report No: VEL/SW/2405080001	
S. No	Parameter	Test-Method	Result	Unit
20.	BOD (3 Days at 27°C)	IS 3025 (P-44)	3.6	mg/L
21.	Phenolic Compounds	IS 3025 (P-43)	*BLQ(**LOQ 0.0005)	mg/L
22.	Anionic Detergents as MBAS	IS 3025 (P-68)	*BLQ(**LOQ 0.05)	mg/L
23.	Zinc as Zn	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.01)	mg/L
24.	Copper as Cu	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.002)	mg/L
25.	Manganese as Mn	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.01)	mg/L
26.	Cadmium as Cd	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.002)	mg/L
27.	Lead as Pb	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.002)	mg/L
28.	Chemical Oxygen Demand	APIIA , 5220 B, Open Reflux Method	22.63	mg/L
29.	Dissolved Oxygen	IS 3025 (P-38)	5.8	mg/L
30.	Total Suspended Solid	IS 3025 (P-17)	12.00	mg/L
31.	Electrical Conductivity	IS 3025 (P-14)	0.543	ms/cm
32.	Total Coliform	IS 15185:2016	Absent	Per 100ml
33.	E. coli	IS 15185:2016	Absent	Per 100ml

Note: - *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification
End of Report



Rajnish Gaur
Executive Senior Jt. President/ Unit Head
Jeprakash Power Ventures Limited
Amelia Pit Coal Mine

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Test Report

Sample Number:	VEL/JPVL/SW/02	Report No.:	VEL/SW/2405080002
Issued To:	M/s Jaiprakash Power Venture Ltd. JA House, 63 BasantLok, VasantVihar, New Delhi - 110057	Format No.:	7.8 F-03
Name of the Project:	Amelia North Coal Mine Gram: Majhauri, Post: Bandha, Tehsil: Deosar, Distt. Singrauli (MP) - 486886	Party Reference No.:	JPVL/Amelia(N)EnvSer/2024-25 Dated 29 th March 2024
Sample Description:	Surface Water	Reporting Date:	13/05/2024
Sample Location:	KanchanNala (Up-Stream)	Period of Analysis:	08/05/2024 to 13/05/2024
Sample Collected by:	VardanEnviroLab Representative	Receipt Date:	08/05/2024
Parameter Required:	As per work order	Sampling Date:	04/05/2024
Sampling and Analysis Protocol:	APHA 23 rd Edition 2017	Sampling Quantity:	2.0 Ltr.
		Preservation:	Refrigerated

S. No.	Parameter	Test-Method	Result	Unit
1.	pH (at 25°C)	IS 3025 (P-11)	7.54	--
2.	Colour	IS 3025 (P-4)	*BLQ(**LOQ-1.0)	Hazen
3.	Turbidity	IS 3025 (P-10)	7.4	NTU
4.	Odour	IS 3025 (P-5)	Agreeable	--
5.	Total Hardness as CaCO ₃	IS 3025 (P-21)	64.22	mg/L
6.	Calcium as Ca	IS 3025 (P-40)	31.34	mg/L
7.	Alkalinity as CaCO ₃	IS 3025 (P-23)	88.0	mg/L
8.	Chloride as Cl	IS 3025 (P-32)	24.53	mg/L
9.	Cyanide as CN	IS 3025 (P-27)	*BLQ(**LOQ-0.02)	mg/L
10.	Magnesium as Mg	APHA, 3500 Mg B	1.21	mg/L
11.	Total Dissolved Solids	IS 3025 (P-16)	209.0	mg/L
12.	Sulphate as SO ₄	IS 3025 (P-24)	4.76	mg/L
13.	Fluoride as F	APHA 4500 F D	0.25	mg/L
14.	Nitrate as NO ₃	IS 3025 (P-34) .Chromotropic Method	5.16	mg/L
15.	Iron as Fe	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.01)	mg/L
16.	Residual Free Chlorine	IS:3025 (P-26)	*BLQ(**LOQ 0.15)	mg/L
17.	Aluminium as Al	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.002)	mg/L
18.	Boron	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.1)	mg/L
19.	Total Chromium as Cr	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.002)	mg/L



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Executive Senior Jt. President/ Unit Head
Jaiprakash Power Ventures Limited
Amelia (N) Coal Mine



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Test Report

Sample No.: VEL/JPVL/SW/02			Report No: VEL/SW/2405080002	
S. No	Parameter	Test-Method	Result	Unit
20.	BOD (3 Days at 27°C)	IS 3025 (P-44)	2.8	mg/L
21.	Phenolic Compounds	IS 3025 (P-43)	*BLQ(**LOQ 0.0005)	mg/L
22.	Anionic Detergents as MBAS	IS 3025 (P-68)	*BLQ(**LOQ 0.05)	mg/L
23.	Zinc as Zn	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.01)	mg/L
24.	Copper as Cu	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.002)	mg/L
25.	Manganese as Mn	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.01)	mg/L
26.	Cadmium as Cd	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.002)	mg/L
27.	Lead as Pb	VEL/STP/ICP/W-01, Issue No.-01, 01/11/21	*BLQ(**LOQ 0.002)	mg/L
28.	Chemical Oxygen Demand	APHA, 5220 B, Open Reflux Method	20.54	mg/L
29.	Dissolved Oxygen	IS 3025 (P-38)	4.5	mg/L
30.	Total Suspended Solid	IS 3025 (P-17)	7.00	mg/L
31.	Electrical Conductivity	IS 3025 (P-14)	0.425	ms/cm
32.	Total Coliform	IS 15185:2016	Absent	Per 100ml
33.	E. coli	IS 15185:2016	Absent	Per 100ml

Note:- *BLQ-Below Limit of Quantification, **LOQ- Limit of Quantification

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Rajneesh Gaur
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Jaiprakash Power Ventures Limited
Amelia (N) Coal Mine

RAINWATER HARVESTING STRUCTURES



Rain Water Harvesting Pit-01



Rain Water Harvesting Pit-02



Rain Water Harvesting Pit-03



Rain Water Harvesting Pit-04


Rajneesh Gaur
Executive Senior Jt. President/ Unit Head
Jaiprakash Power Ventures Limited
Amelia (N) Coal Mine