



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

ORANGE-MEDIUM

CCA-Fresh

Validity (A/W): 31.05.2028

CONSENT NO: ***

PCB ID: 148953

Outward No:118395,21/06/2023

Consent No:AW-58487

To,

The Occupier,

M/s. R.K Transport & Constructions Limited,

Khasra No-1345,1349,1350, 1351 ,1352/1 ,1352/2 ,1355/1 ,1357,

Village - Gorbi, Tehsil - Chitrangi, District- Singrauli (M.P.)-486 882

Subject: Grant of Consent to Operate under section 25 of the Water (Prevention & Control of Pollution) Act,1974 & under section 21 of the Air (Prevention & Control of Pollution) Act,1981

Ref: Your Application Receipt No. 1277161 Dt. 12/06/2023 and last communication received on Dt. 09/06/2023

With reference to your above application for consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to **31/05/2028**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

- Location:** Khasra No-1345,1349,1350, 1351 ,1352/1 ,1352/2 ,1355/1 ,1357, Village - Gorbi, Tehsil - Chitrangi, District- Singrauli (M.P.)-486 882
- The capital investment :** Rs. 25.0 Crs
- Product & Production Capacity:**

Product	CTE Qty / year	Applied Qty/year	Remarks
WASHED COAL (Wet type Coal Washery)	20,00,000.0 M.T	20,00,000.0 M.T (Twenty lakh metric tones)	Total Production capacity as per EC is 2.5 million tons per year
WSHERY REJECT	5,00,000 MT	5,00,000 MT/year (Five Lakh metric tones)	

- Note:-*
- For any change in above industry shall obtain fresh consent from the board.
 - The industry shall complete the construction of retaining wall along the nallah within 01 month time from the date of issuance of this consent order and submit the compliance to RO, MPPCB, failing which this consent will stand cancelled automatically.
 - The Industry shall install CAAQMS and ensure the connectivity of the same with the Central Server of ESC, MPPCB, Bhopal within 01 month time.

The Validity of the consent is up to **31/05/2028** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office **6 months before expiry of the consent**. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

Enclosures:-

- * Conditions under Water Act
- * Conditions under Air Act
- * General conditions

By the order of Chairman, MPPCB

Signature Not Verified

Digitally Signed by : Chandra Mohan Thakur,IAS

Date: 21/06/2023 07:03:47 PM

CHANDRA MOHAN THAKUR
Member Secretary



(Organic Authentication on AADHAR from UIDAI Server)
TPAV # X51743183K



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-

1. The daily quantity of trade effluent of the unit shall be **Nil**, and the daily quantity of sewage of the unit shall not exceed **8.0 KL/day**

2. Trade Effluent Treatment (If any):-

The applicant shall operate effluent treatment system and maintain the same properly to achieve following standards-

pH	Between	5.5 – 9.0	TDS	Not exceed	2100 mg/l.
Suspended Solids	Not exceed	100 mg/l.	Chlorides	Not exceed	1000 mg/l.
BOD ₃ Days 27 °C	Not exceed	30 mg/l.			
COD	Not exceed	250 mg/l.			
Oil and grease	Not exceed	10 mg/l.			

For other parameters general standards of discharge as notified under EP Act 1986 notified by MPPCB from time to time shall be applicable

3. Sewage Treatment :-

The applicant shall operate sewage treatment system and maintain the same properly to achieve following standards-

pH	Between	6.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD ₃ Days 27 °C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
Fecal Coliform (MPN/100ml)	Not exceed	1000

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence **zero discharge condition** shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

Sr	Water Code (Qty in KLD)	WC : 490.0	WWG : 0.0	Water Source	Remark
1	Domestic Purpose	10.0	8.0	Other	TREATED IN STP
2	Dust Suppression	40.0	0.0	Other	
3	Manufacturing Process	440.0	0.0	Other	Treated waste is recycled, thus effluent is zero.

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board.

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

9. Compilation of Monitoring data-

- Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.
- The applicant shall take samples and measurement to meet the monthly requirements specified above and report online

Consent No:AW-58487



through XGN the same to the Board.

10. Recording of Monitoring Activities & Results-

- i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.
- ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:
 - (i) The date, exact place and time of sampling
 - (ii) The dates on which analysis were performed
 - (iii) Who performed the analysis?
 - (iv) The analytical techniques or methods used and
 - (v) The result of all required analysis
- iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.
- iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

11. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

12. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relive the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

13. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

14. Disposal of Collected Solid waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water. Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

15. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

16. Prohibition of By pass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

17. Industry management shall submit the information online through XGN in reference to compliance of consent conditions.

Additional Water condition:-

1. ETP within washery should conform to "Zero Liquid Discharge", No treated waste water shall be discharged outside the boundaries of project area.
2. PP shall do the plantation in the proposed area 2.50 Ha and along the periphery of the washery including avenue plantation and also plantation along haul road.
3. Concrete Roads inside and at periphery of the washery shall be constructed.
4. Transportation of raw coal should be done by road or conveyor belt from railway siding to the plant and no road



- transportation will be allowed.
- Water consumption in the coal washery shall not exceed 1.5 cubic meters per ton of coal.
 - Industry shall maintain the drain all around the coal processing area leading to siltation ponds of adequate capacities to collect & channelize effluent from the washery and other activities to ETP.
 - Industry shall maintain high frequency screen with settling pond to achieve prescribed standards and shall ensure 100% recycling of waste water to maintain zero discharge condition outside of the premises as proposed.
 - The coal slurry generated shall either be blended with the product or sold to the actual users; Coal rejects shall be managed in environmentally sound manner, an action plan for its disposal on daily basis shall be prepared & submitted to the Board. In no case these shall be disposed outside the premises.
 - Heavy metal content in raw coal, and washed coal shall be analyzed once in a year and records maintained thereof and it should be reported to the Board.

CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

Name of section	Stack height (m)	Control equipment to be installed	P.M, SO _x , NO _x (mg/NM ³)
Coal Crushing (Process)	-	Bag Filter, Dust Collector, Dust Suppressor, Green Belt, Natural Draft, Screen Cover, Ventilated Working Shed, Water Deep Tank, Water Sprinkler, Wind Breaking Wall	150, 100, 50
DG Set	30	Accoustic Enclosure	A per CPCB/ MoEF&CC Notifications

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m³ (PM10 µg/m³ 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m³ (PM2.5 µg/m³ 24 hrs. basis)
- Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 µg/m³
- Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 µg/m³
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m³

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

5. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

6. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

7. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

8. Industry shall take effective steps for extensive tree plantation preferably of the local tree species within or around the industry/unit premises for general improvement of environmental conditions.

Additional Air condition:-

- Management shall install and maintain CAAQMS stations at suitable locations to monitor ambient air quality in the leased area and its vicinity and shall provide its suitable unhindered connectivity with Environment Surveillance Centre

Consent No:AW-58487



of the MPPCB. Data should also be displayed digitally at proper place for public display.

2. Coal handling plant and coal loading and unloading in railway wagons / trucks should be provided with adequate number of high efficiency dust extraction / suppression system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated. Dust control measures shall be adopted at coal transfer point.
3. Management shall maintain continues water sprinkler systems / rain gun at suitable locations on the road side and also provide proper pollution control arrangements to control the fugitive emission generates due to transportation of Coal from CHP.
4. Vehicular emissions should be kept under control and regularly monitored for compliance of emission norms. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.
5. Extensive tree plantation shall be done on both sides of Mineral transportation roads and around mining lease area. The tree plantation shall be carried out in phase manner preferably with local species. Good housekeeping practice shall be adopted by the Mine.
6. The management shall comply with the conditions stipulated in the Environmental Clearance.
7. 5 nos. long ranging Fog canon system (mist spraying) shall be installed and maintained to reduce the impact of air pollution on transportation route and Railway siding.
8. Crushers at the CHP shall be operated with high efficiency bag filters. Management shall have to maintain automatic water spraying system for CHP, Coal stock yard and haul roads.
9. Management shall install and maintain industrial grade HD IP (Internet Protocol) Pan-Tilt-Zoom (PTZ) Camera with minimum 5X zoom and night vision facility for remote surveillance and constant vigil of emission source and effluent discharge points.

GENERAL CONDITIONS:

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

Non Hazardous Solid wastes:-

Type of waste	Quantity	Disposal
Scrap/ Plastic packing material wood, card board, gunny bogs etc	Record should be maintained	Sale to authorized party/As Per CPCB. MoEF Guide lines / Others.
Biodegradable wastes from canteen	0.620 M.T	
Washery rejects	41667.0 M.T	

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- e. To sample at reasonable times any discharge or pollutants.

3. This consent is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

Consent No:AW-58487



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5. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month
6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.
7. Balance consent fee, if any shall be recoverable by the Board even at a later date.
8. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent.
9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.
10. Industry shall obtain membership of Emergency Response Center of the Board if needed.
11. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.
12. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following:
 - (a) Violation of any terms and conditions of this Consent.
 - (b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
 - (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.
13. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

Additional condition:-

Consent as required under the Water (Prevention & Control of Pollution) Act, 1974 & The Air (Prevention & Control of Pollution) Act, 1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of
M.P. Pollution Control Board

By the order of Chairman, MPPCB



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TPAV # X51743183K

CHANDRA MOHAN THAKUR
Member Secretary

Consent No:AW-58487



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

ORANGE-MEDIUM

CTE-Amendment

CONSENT NO: ***

PCB ID:
148953

Outward No:115984,11/07/2022
NO: /MPPCB/SIN

Consent No:CTE-56178

To,

The occupier,
M/s. R.K Transport & Constructions Limited,
Khasra No-1345,1349,1350, 1351 ,1352/1 ,1352/2 ,1355/1 ,1357,
Village - Gorbi, Tehsil - Chitrangi,
District- Singrauli, PIN 486 882 (M.P.)

Subject: Amendment in Consent to Establish issued under section 25 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act,1981 – Amendment of production capacity of the unit.

Ref: (1) Your Consent to Establish Application Receipt No. 1168245 Dt. 27/06/2022 and last communication received on Dt. 04/07/2022.
(2) This office CCA-Renewal outward No. 115844 dt. 21/06/2022

Without prejudice to the powers of the Board under the section 25 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act,1981 without reducing your responsibilities under the said Act on the basis of the document submitted by the industry management, the Board has agreed for amendment as per application. The product and production capacity after amendment shall be read as follows:

Product & Production Capacity:

Permitted Product name	Production Capacity /Year (MT- Metric tone)	Remarks
WASHED COAL (Wet type Coal Washery)	2,000,000 MT/year (Twenty lakh metric tones)	Total Production capacity as per EC is 2.5 million tones per year
WSHERY REJECT	500,000 MT/year (Five Lakh metric tones)	

Note- All the liability under the provisions of the Water (Prevention & Control) of Pollution) Act, 1974 and Air (Prevention &Control) of Pollution) Act, 1981 shall be applicable to the changed production capacity.

The other contents, validity and conditions of the letter Outward No: 115844 dt. 21/06/2022 shall remains unchanged. Please keep this letter attached with the original consent/authorization letter.

Please keep the letter attached with the original letter .

For and on behalf of
M.P. Pollution Control Board

ACHYUT ANAND MISHRA
Member Secretary

Signing from UIDAI
Sign
Digitally Sign with Aadhaar

Signature Not Verified
Digitally Signed by : A. A
Mishra, Member Secretary
Date: 11/07/2022 05:22:16 PM

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TPAV # 8RS15J8H5X



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

ORANGE-LARGE

CTE-Fresh
Validity : 31/05/2027

CONSENT NO: ***

PCB ID:
148953

Outward No:115844,21/06/2022
NO: /MPPCB/SIN

Consent No:CTE-56178

To,

The Project,
M/s. R.K Transport & Constructions Limited,
Khasra No-1345,1349,1350, 1351 ,1352/1 ,1352/2 ,1355/1 ,1357,
Village - Gorbi, Tehsil - Chitrangi,
District- Singrauli, PIN 486 882 (M.P.)

Subject: Grant of Consent to Establish under section 25 of the Water (Prevention & Control of Pollution) Act,1974 and under section 21 of the Air (Prevention & Control of Pollution) Act,1981

Ref: Your Consent to Establish Application Receipt No. 1166632 Dt. 31/05/2022 and last communication received on Dt. 07/06/2022

Without prejudice to the powers of this Board under section 25 of the Water (Prevention & Control of Pollution) Act,1974 and under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and without reducing your responsibilities under the said Acts in any way, this is to inform you that this Board grants Consent to Establish for setting up of an industrial plant/activities at Khasra No-1345,1349,1350, 1351 ,1352/1 ,1352/2 ,1355/1 ,1357, Village - Gorbi, Tehsil - Chitrangi, District- Singrauli, PIN 486 882 (M.P.) and -

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. Location: Khasra No-1345,1349,1350, 1351 ,1352/1 ,1352/2 ,1355/1 ,1357, Village - Gorbi, Tehsil - Chitrangi, District- Singrauli, PIN 486 882 (M.P.)
- b. The capital investment : Rs 25.00 Crs
- c. Product & Production Capacity:

Product	Qty / year
WASHED COAL	200000.000 M.T

Note :

- For any change in above Project proponent shall obtain fresh consent from the Board.
- This consent to establish in no way be taken as measures of proof that the project proponent has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court/NGT etc shall be binding to both Project Proponent and this Board.
- PP shall comply EC terms & conditions issued by MoEF&CC vide letter dt. 25.05.2022.

The consent (for operation) as required shall be granted to your industry after fulfillment of all the conditions mentioned above. For this purpose you shall have to make an application to this Board in the prescribed proforma at least two months before the expected date of commissioning of your industry. The applicant shall not operate the unit without obtaining consent for operation from the Board and shall not bring in to use any out let for the discharge of effluent and gaseous emission.

Enclosures:-

- * Conditions under Water Act
- * Conditions under Air Act
- * General conditions



Signature Not Verified
Digitally Signed by : A. A
Mishra, Member Secretary
Date: 21/06/2022 06:55:56 PM

ACHYUT ANAND MISHRA
Member Secretary

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # J973RL49OB



Consent Order

M.P. Pollution Control Board
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Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-

1. The daily quantity of trade effluent at out fall of the unit shall not exceed 0.000 KL/day, and the daily quantity of sewage at out fall of the unit shall not exceed 2.000 KL/day
2. **Trade Effluent Treatment:-** ETP within washery should conform to "Zero Liquid Discharge", No treated waste water shall be discharged outside the boundaries of project area.

The applicant shall provide comprehensive effluent treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

pH	Between	5.5 – 9.0	TDS	Not exceed	2100 mg/l.
Suspended Solids	Not exceed	100 mg/l.	Chlorides	Not exceed	1000 mg/l.
BOD ₃ Days 27 °C	Not exceed	30 mg/l.			
COD	Not exceed	250 mg/l.			
Oil and grease	Not exceed	10 mg/l.			

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. **Sewage Treatment :-** The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD 3 Days 27°C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC : 490.000	WWG : 0.000	Water Source	Remark
1	Boiler Feed	440.000	0.000	Other	SURFACE WATER
2	Domestic Purpose	10.000	2.000	Other	TREATED IN STP
3	Dust Suppression	40.000	0.000	Other	

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board
7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent
8. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area
9. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

10. **Compilation of Monitoring data-**

- i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- ii. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications

Consent No:CTE-56178



and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

11. Recording of Monitoring Activities & Results-

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

12. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

13. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

14. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

15. Disposal of Collected Solid waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

16. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

17. Prohibition of By pass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

18. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

Additional Water condition:-

- 1. ETP within washery should conform to "Zero Liquid Discharge", No treated waster water shall be discharged outside the boundaries of project area.

Consent No:CTE-56178



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

- Heavy metal content in raw coal, and wahsed coal shall be analyzed once in a year and records maintained thereof and it should be reported to the Board.
- PP shall plant tree along the area proposed for 2.50 Ha along the periphery of the washery including avenue plantation and also plantation on haul road.
- Road in side and at periphery of the washery plant shall be constructed of concrete only.
- Transportation of raw coal should be done by closed conveyor belt uphill railway siding as no road transportation will be allowed.

CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

Name of section	Capacity	Stack height(mtrs)	Fuel	Control equipment to be installed	P.M, SOX, NOX(mg/NM3)
RotaryKiln		30	ELE	Bag Filter,Dust Collector,Dust Suppressor,Green Belt,Natural Draft,Screen Cover,Ventilated Working Shed,Water Deep Tank,Water Sprinkler,Wind Breaking Wall,	150,100,50

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated:

16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m³ (PM10 µg/m³ 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m³ (PM2.5 µg/m³ 24 hrs. basis)
- Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 µg/m³
- Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 µg/m³
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m³

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation preferably in 03 rows of the local tree species with minimum spacing of 2X2 meters within or around the industry/unit premises for general improvement of environmental conditions and as stated in below..

Additional Air condition:-

- Management shall install CAAQMS stations at suitable locations to monitor ambient air quality in the leased area and its vicinity and shall provide its suitable unhindered connectivity with Environment Surveillance Centre of the MPPCB. Data should also be displayed digitally at proper place for public display.
- Coal handling plant and coal loading and unloading in railway wagons / trucks should be provided with adequate number of high efficiency dust extraction / suppression system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated. Dust control measures shall be adopted at coal transfer point.

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Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
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3. Management shall provide continues water sprinkler systems / rain gun at suitable locations on the road side and also provide proper pollution control arrangements to control the fugitive emission generates due to transportation of Coal from CHP.
4. Vehicular emissions should be kept under control and regularly monitored for compliance of emission norms. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.
5. Extensive tree plantation shall be done on both sides of Mineral transportation roads and around mining lease area. The tree plantation shall be carried out in phase manner preferably with local species. Good housekeeping practice shall be adopted by the Mine.
6. The management shall comply with the conditions stipulated in the Environmental Clearance.
7. 5 nos. long ranging Fog canon system (mist spraying) shall be installed to reduce the impact of air pollution on transportation route and Railway siding.
8. Crushers at the CHP shall be operated with high efficiency bag filters. Management shall have to maintain automatic water spraying system for CHP, Coal stock yard and haul roads.
9. Management shall provide fencing all around the lease area to prevent the occurrence of accidental hazard.
10. Management shall install industrial grade HD IP (Internet Protocol) Pan-Tilt-Zoom (PTZ) Camera with minimum 5X zoom and night vision facility for remote surveillance and constant vigil of emission source and effluent discharge points.

GENERAL CONDITIONS:

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

Non Hazardous Solid wastes:-

Type of waste	Quantity	Disposal
Scrap/ Plastic packing material wood, card board, gunny begs etc		Sale to authorized party/As Per CPCB. MoEF Guide lines / Others.

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- e. To sample at reasonable times any discharge or pollutants.

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

6. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

Consent No:CTE-56178



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
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7. The applicant shall submit such information, forms and fees as required by the board not later than 180 days prior to the date of expiration of this consent/authorisation

8. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

9. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

- (a) Violation of any terms and conditions of this Consent.
- (b) Obtaining this Consent by misrepresentation or failure to disclose fully all relevant facts.
- (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

10. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

For and on behalf of
M.P. Pollution Control Board



(Organic Authentication on AADHAR from UIDAI Server)
TPAV # J973RL49OB

ACHYUT ANAND MISHRA
Member Secretary

Consent No:CTE-56178

File No. J-11015/21/2020-IA. II (M)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan,
Jorbagh Road, N Delhi – 3
Email: lk.bokolia@nic.in Tel: 011-20819417

Dated: 24th February, 2023

To,

The Director,
M/s R.K Transport & Constructions Limited,
Village Gorbi, Tehsil Chitrangi,
District Singrauli-486882 (Madhya Pradesh)
Email: rktransport200200@gmail.com

Sub: Wet Type Coal Washery Project based on Heavy Media Cyclone of production capacity 2.5 MTPA in an area of 15 acres of M/s R.K Transport & Constructions Limited located at Village Gorbi, Tehsil Chitrangi, District Singrauli (Madhya Pradesh) — For Amendment in Environmental Clearance letter dated 25.05.2022 — reg.

Sir,

This has reference to your online proposal No. IA/MP/CMIN/296133/2022 dated 31st December, 2022 on the above mentioned subject.

2. The Ministry of Environment, Forest and Climate Change has granted environmental clearance vide letter dated 25th May, 2022 in favour of Wet Type Coal Washery Project based on Heavy Media Cyclone of production capacity 2.5 MTPA in an area of 15 acres of M/s R.K Transport & Constructions Limited located at Village Gorbi, Tehsil Chitrangi, District Singrauli (Madhya Pradesh) with certain terms and condition which inter-alia include the following

Specific Condition no. (xvi): "Transportation of raw coal should be done by closed conveyor belt uphill railway siding as no road transportation will allowed".

Standard Condition no. 4.1 (b) (iii): "Transportation of coal by road shall be carried out by covered trucks/conveyors. The transportation of clean coal and rejects shall be by rail with wagon loading through silo. Effective measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulates such as roads, belt conveyors, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled at source. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board"


3. Now PP has requested for amendment in Environment Clearance of above specific condition that transportation of total raw coal by road through covered trucks from mines to washery and

Transportation of washed coal and reject will be through road/rail (60% by rail and 40% by road) with the exemption from wagon loading through silo. It has been submitted that the project area is near to coal mines of M/s Northern Coalfields Limited and all the raw coal will be sourced from these mines only. Also, Project site is well connected to road network of NH-39 and Jayant-Morwa road from the project site and rail network of Manadiya Railway siding at 2.8 Kms towards West direction and Singrauli station Railway Siding at 2.6 kms towards East direction.

4. The proposal was considered by the sector Expert Appraisal Committee in its 39th meeting held during 12-13 January, 2023 wherein the Committee recommended for the proposal for Amendment in Environmental Clearance letter dated 25th May, 2022 with conditions for transportation of total raw coal from mine to washery through road with covered trucks only from mines of M/s NCL and Transportation of washed coal and reject will be through 60% by rail and 40% by road with the exemption from wagon loading through silo. Based on the recommendation of EAC, Ministry of Environment, Forest and Climate Change hereby grants approval for amendment in Environmental Clearance to Wet Type Coal Washery Project based on Heavy Media Cyclone of production capacity 2.5 MTPA in an area of 15 acres of M/s R.K Transport & Constructions Limited located at Village Gorbi, Tehsil Chitrangi, District Singrauli (Madhya Pradesh) under the provisions of EIA Notifications, 2006 and its amendments therein with following specific conditions;

- i. PP shall develop green belt in an area of 6.18 acres out of total 15 acres of project area (i.e. 41.20%) within 2 years.
 - ii. PP shall conduct tree plantation (1000 nos) along the transportation route and nearby villages as dust mitigation measures except that of National Highways and maintain from its EMP budget.
 - iii. PP shall not transport through any village road and any other sensitive locations such as schools, hospitals.
 - iv. PP shall only deploy only 55 ton of dumpers/trucks with covered tarpaulin.
 - v. State Pollution Control Board shall stipulate necessary conditions in order to maintain the ambient air quality of the area.
 - vi. All other terms and conditions stipulated in the environment clearance (EC) dated 25th May, 2022 shall apply.
5. All other terms and conditions stipulated in the environmental clearance dated 25th May, 2022 shall remain unchanged.

This issues with the approval of the competent Authority


(Lalit Bokolia)
Director

Copy to:

1. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi
2. The Additional PCCF (Central), Regional office (EZ), E-5 Arera Colony, Bhopal – 462016
3. The Member Secretary, Madhya Pradesh State Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal -462 016

4. The Member Secretary, Central Ground Water Authority, Ministry of Water Resources, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001.
5. The Member Secretary, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 32
6. The District Collector, Singrauli, Government of Madhya Pradesh.
7. Monitoring File
8. PARIVESH



(Lalit Bokolia)
Director



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The Director
M/S R.K TRANSPORT & CONSTRUCTIONS LIMITED
Village-Gorbi, Tehsil-Chitrangi,,Singrouli,Madhya Pradesh-486882

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/MP/CMIN/182374/2020 dated 21 Feb 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC22A006MP157239 |
| 2. File No. | IA-J-11015/21/2020-IA-II(M) |
| 3. Project Type | New |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 2(a) Coal washeries |
| 6. Name of Project | Wet Type Coal Washery Project Based on Heavy Media Cyclone (2.5 MTPA) at Village - Gorbi, Tehsil - Chitrangi, District- Singrauli - 486882 (MP) by M/s R.K Transport & Constructions Limited. |
| 7. Name of Company/Organization | M/S R.K TRANSPORT & CONSTRUCTIONS LIMITED |
| 8. Location of Project | Madhya Pradesh |
| 9. TOR Date | 01 Jan 2021 |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 25/05/2022

(e-signed)
Lalit Bokolia
Scientist F
IA - (Coal Mining sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

This is a computer generated cover page.

PARIVESH

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and Virtuous Environment Single-Window Hub)*



File No IA-J-11015/21/2020-IAII(M)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan,
Jorbagh Road, N Delhi – 3
Email: lk.bokolia@nic.in Tel: 01120819471

Dated: 25th May, 2022

To

The Director
M/s R.K Transport & Constructions Limited
Village-Gorbi, Tehsil Chitrangi,
District Singrauli – 486882
Madhya Pradesh
Email id - rktransport200200@gmail.com

Sub: Wet Type Coal Washery Project based on Heavy Media Cyclone of production capacity 2.5 MTPA in an area of 15 acres of M/s R.K Transport & Constructions Limited located at Village Gorbi, Tehsil Chitrangi, District Singrauli (Madhya Pradesh) – For Environmental Clearance – reg.

Sir,

This has reference to your online proposal No. IA/MP/CMIN/182374/2020 dated 21st February, 2022, submitted to this Ministry for grant of Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986 for Wet Type Coal Washery Project based on Heavy Media Cyclone of production capacity 2.5 MTPA in an area of 15 acres of M/s R.K Transport & Constructions Limited located at Village Gorbi, Tehsil Chitrangi, District Singrauli (Madhya Pradesh).

2. The proposal was considered by the sectoral Expert Appraisal Committee (EAC) in its 27th meeting held on 4th March, 2022 and 29th EAC meeting held on 25 – 26 April, 2022.
3. The details of the project, as per the documents submitted by the project proponent, and also as informed during the meeting, are reported to be as under: -
 - (i) The project area is covered under Survey of India Toposheet No-G44W11 and is bounded by the geographical coordinates ranging from 24°12'19.74"N to 24°12'20.89"N and longitudes 82°36'59.32"E and 82°37'12.52"E.
 - (ii) No forest land involves for current project.
 - (iii) No Coal definite linkage of the project is proposed. Washed coal will be supplied to nearby steel plant and rejects will be supplied to power plant. MoU to be executed for rejects.
 - (iv) The raw coal from NCL mines mainly from Gorbi/Block B, Jayant Coal Mine and Dudhichua Coal and other mines will be transported by Road only. Washed coal from the

plant will be transported by road in covered trucks directly to the customer (or) by road upto nearest railway station (Manadiya Railway siding-2.8 Kms towards West direction and Singrauli station Railway Siding is at 2.6 Kms towards East direction) and from there by rail to the customer. Washery rejects from the plant will be transported by road in covered trucks directly to the customer (or) by road upto nearest railway station nearest railway station (Manadiya Railway siding-2.8 Kms towards West direction and Singrauli station Railway Siding is at 2.6 kms towards East direction) and from there by rail to the customer.

- (v) No Joint venture for current proposal.
- (vi) PP claimed that project does not fall in the Critically Polluted Area (CPA), where the MoEF&CC's vide its OM dated 13th January, 2010 has imposed moratorium on grant of environment clearance.
- (vii) The project site falls outside the CPA boundary of Singrauli. Confirmation /vetting vide letter no. 1890/HOMPPCB/Tech/ Singrauli/2022 dated 30.03.2022 regarding the same from Member Secretary, SPCB
- (viii) Employment generation, 75 employment and job will be given to nearby project.
- (ix) The project is reported to be beneficial in terms of jobs and improvement of local infrastructure and revenue generation for government.
- (x) Term of Reference was granted by Vide File No-J-11015/21/2020-IA-II(M), dated 01.01.2021.
- (xi) No National Parks, Wildlife Sanctuaries and Eco-Sensitive Zones fall within 10 km boundary of the project.
- (xii) The ground water level has been reported to be varying between 4.13 m to 18.50 m during pre-monsoon and between 2.94 m to 15.17m during post-monsoon. Total water requirement for the project is 490 KLD.
- (xiii) Public hearing for the project of 2.5 MTPA capacity in an area of 15 Acres was conducted on 8.11.2021 at Village-Gorbi, near project Site under the Chairmanship of Shri D.P Barman, Additional District Magistrate, Singrauli, M.P Major issues raised in the public hearing include priority to locals for Jobs and water pollution. No River/nalla is flowing within project boundary.
- (xiv) No court cases, violation cases are pending against the project of the PP.
- (xv) The project does not involve violation of the EIA Notification, 2006 and amendment issued the reunder.
- (xvi) No R&R involves for current project.
- (xvii) Total project cost is 25 crore.
- (xviii) 75 persons will get direct employment from the project.
- (xix) 2.5 MW electricity will be required for the project. It will be supplied by Madhya Pradesh Power Generation Company Limited.
- (xx) The site has good connectivity to railway siding (public siding at Singrauli railway station, about 2.5km away) and road.
- (xxi) Land identified for the project is 15 acres. 5 acres land has been earmarked for greenbelt development.
- (xxii) Water requirement for the project is 490 KLD. Water will be sourced from Parewa Nalla through dedicated pipeline and permission has been obtained. Company is committed to

allow the pipeline for supplying drinking water to Gorbi, Muher and Chamarkhoh village. For this purpose, company will bear the cost of pipeline, etc. Budget of Rs.22.5 Lakh has been already earmarked in the CER Budget. The work will be completed in FY 2022-2023

4. The proposal was considered by the sectoral Expert Appraisal Committee (EAC) in 29th EAC meeting through Video Conferencing held on 25- 26 April, 2022 and recommended for grant of Environment Clearance. Based on recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords approval to **Wet Type Coal Washery Project based on Heavy Media Cyclone of production capacity 2.5 MTPA in an area of 15 acres of M/s R.K Transport & Constructions Limited located at Village Gorbi, Tehsil Chitrangi, District Singrauli (Madhya Pradesh)**, under the provisions of Environment Impact Assessment Notification, 2006 and subsequent amendments/circulars thereto subject to the compliance of the following terms & conditions / specific conditions for environmental safeguards as stated below:-

- (i) PP to obtain the CTO for 2.5 MTPA capacity after grant of EC.
- (ii) The technology so chosen for ETP within washery should conform to 'Zero Liquid Discharge. No treated wastewater shall be discharged outside the boundaries of project area.
- (iii) Additional EMP measure to be adopted or dovetail as per the state action plan for abatement of pollution in Singrauli District provided by MPPCB, and revised EMP report to be furnished to IRO with six monthly compliances.
- (iv) Heavy metal content in raw coal, and washed coal shall be analyzed once in a year and records maintained thereof and it should be reported in IRO, report.
- (v) PP to fulfill all the commitment made to address the public hearing issued in time bound manner as committed and a compliance report should be furnished to IRO in every six monthly compliance report
- (vi) PP shall plant tree along the area proposed for 2.50 Ha along the periphery of the washery including avenue plantation and also plantation on haul roads to be done by June 2022.
- (vii) Thick green belt of 30-45 m width to be provided around the washery to mitigate/check the dust pollution. A 3-tier avenue plantation should also be developed along vacant areas, storage yards, loading/transfer points, and also along internal roads/main approach roads. A detailed action plan with budgetary provision should be submitted within 6 months to IRO. Areal images in this regard needs to be submitted in six monthly reports to IRO.
- (viii) Total fresh water requirement shall not exceed 490 KLD proposed to be met through pipeline from Parewa nallah. The Company's commitment to allow the pipeline coming from Parewa Nallah for supplying drinking water to Gorbi, Muher and Chamarkhoh village to be fulfilled within 1 year
- (ix) PP to install 1 continuous ambient air quality monitoring stations at suitable locations preferably village side with consultation of SPCB. The real time data so generated shall be uploaded on company website and linked it with website of CPCB &SPCB. In addition, data should also be displayed digitally at entry and exit gate of mine lease area for public display.
- (x) The impact of proposed project/activity on hydrological regime of the area shall be assessed and report to be submitted within the six month and recommendation shall be implemented

- (xi) The beautification of 2 ponds located nearby by the washery plants must be taken up by the PP with consultation of competent authority
- (xii) Transportation of rejects shall only be in 40 to 50 tonne trucks only if railway siding is not present at utilization points. If railway siding is available upto FBC Power Plants/Thermal Power Plant, then no transportation shall be allowed by trucks.
- (xiii) 5 nos. long ranging Fog canon system (mist spraying) shall be installed to reduce the impact of air pollution on transportation route and Railway siding
- (xiv) Road inside and at periphery of the washery plant shall be constructed of concrete only
- (xv) Solar street light to be installed with its proper maintenance along the road of 2.5 km reaching the Kathi – Singrauli highway.
- (xvi) Transportation of raw coal should be done by closed conveyor belt uphill railway siding as no road transportation will be allowed
- (xvii) The ROM coal shall be washed to bring down the ash content to <34%, ensuring more than 7% reduction in ash should be taken care off as committed by PP.
- (xviii) PP to undertake the recruitment of a full-fledged qualified manpower with Environmental Engineer/Env. Science degree background in Environment Management Cell etc at coal washery site for compliance of EC conditions.

4.1 The grant of environmental clearance is further subject to compliance of the Standard EC conditions as under:

(a) Statutory compliance:

- (i) 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 involved in the project.
- (ii) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- (iii) 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. (incase of the presence of schedule-I species in the study area.
- (iv) The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- (v) The project proponent shall obtain the necessary permission from the Central Ground Water Authority.



(vi) Solid waste/hazardous waste generated in the washery needs to be addressed in accordance to the Solid Waste Management Rules, 2016 / Hazardous & Other Waste Management Rules, 2016.

(vii) Coal beneficiation practices shall be carried out under strict adherence to provisions of the Factories Act, 1957 and subordinate legislations made there under.

(b) Air quality monitoring and preservation

(i) 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, SO₂ and NO_x. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. carried out at least once in six months.

(ii) Continuous ambient air quality monitoring stations as prescribed in the statute be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM₁₀, PM_{2.5}, SO₂ and NO_x. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried out at least once in six months.

(iii) Transportation of coal by road shall be carried out by covered trucks/conveyors. The transportation of clean coal and rejects shall be by rail with wagon loading through silo. Effective measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulates such as roads, belt conveyors, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled at source. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.

(iv) All approach roads shall be black topped and internal roads shall be concreted. The roads shall be regularly cleaned. Coal transportation shall be carried out by covered trucks.

(v) Covered trucks shall be engaged for mineral transportation outside the washery upto the railway siding, shall be optimally loaded to avoid spillage en-route. Trucks shall be adequately maintained and emissions shall be below notified limits.

(vi) Facilities for parking of trucks carrying raw material from linked mine shall be created within the unit.

(vii) Vehicular emissions shall be kept under control and regularly monitored. The vehicles having 'PUC' certificate from authorized pollution testing centres shall be deployed for washery operations.

- (viii) Hoppers of the coal crushing unit and other washery units shall be fitted with high efficiency bag filters/mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and from transportation roads.
- (ix) The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site (s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored mineral does not catch fire.
- (x) The temporary reject sites should appropriate planned and designed to avoid air and water pollution from such sites.

(c) Water quality monitoring and preservation

- (i) 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 25.9.2000 and as amended from time to time by the Central Pollution Control Board.
- (ii) 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-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for compliance.
- (iii) Industrial waste 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 time.
- (iv) 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 washery. 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 stabilised with plantation so as to withstand the peak water pressure preventing any chance of inundation.
- (v) Heavy metal content in raw coal and washed coal shall be analysed once in a year and records maintained thereof.
- (vi) The rejects should preferably be utilized in FBC power plant or disposed off through sale for its gainful utilization. If the coal washery rejects are to be disposed off, it should be done in a safe and sustainable manner with adequate compaction and post closure arrangement to avoid water pollution due to leachate from rejects and surface run off from reject dumping sites.

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- (vii) An Integrated Surface Water Management Plan for the washery area up to its buffer zone considering the presence of any river/rivulet/pond/lake *etc.* with impact of coal washing activities on it, shall be prepared, submitted to MoEFCC and implemented.
- (viii) Waste Water shall be effectively treated and recycled completely either for washery operations or maintenance of green belt around the plant.
- (ix) Rainwater harvesting in the washery premises shall be implemented for conservation and augmentation of ground water resources in consultation with Central Ground Water Board.
- (x) No ground water shall be used for coal washing unless otherwise permitted in writing by competent authority (CGWA) or MoEFCC. The make-up water requirement of washery should not exceed 1.5 m³/tonne of raw coal.
- (xi) 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.
- (xii) Monitoring of water quality upstream and downstream of water bodies 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.
- (xiii) The project proponent shall take all precautionary measures to ensure riverine/ riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government

(d) Noise and Vibration monitoring and prevention

- (i) 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.
- (ii) 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.

(e) Coal beneficiation



- (i) Coal stacking plan shall be prepared separately for raw coal, clean coal, middling and rejects.
- (ii) Efforts should be made to reduce energy consumption by conservation, efficiency improvements and use of renewable energy.

(f) Green Belt

- (i) Three tier greenbelt comprising of a mix of native species, of minimum 30 m width shall be developed all along the washery area to check fugitive dust emissions and to render aesthetic to neighbouring stakeholders. A 3-tier green belt comprising of a mix of native species or tree species with thick leaves shall be developed along vacant areas, storage yards, loading/transfer points and also along internal roads/main approach roads.
- (ii) 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.

(g) Public hearing and Human health issues

- (i) Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this ministry & its RO on six-monthly basis.
- (ii) 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.
- (iii) 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.
- (iv) Implementation of the 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 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 of the company/State Government/Central Government, as applicable.
- (v) The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/57/2014-IA.II (M) dated 29th 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'.

(h) Corporate Environment Responsibility

- (i) Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 30th September 2020 and based on commitment made during public consultation process for incorporating in EIA-EMP for deliberation of EAC
- (ii) 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. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- (iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- (iv) 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.
- (v) Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

(i) Miscellaneous

- (i) 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.
- (ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats 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.

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- (iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- (iv) The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- (v) 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.
- (vi) 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.
- (vii) The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
- (viii) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- (ix) 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.
- (x) No change in coal beneficiation process and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC) with such conditions mentioned therein. No change in the maximum quantum of raw material feed per annum against the approved washery capacity shall be made.
- (xi) 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.
- (xii) The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- (xiii) The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- (xiv) 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.

(xv) The above conditions shall be enforced, inter-alia under the provisions of the Water (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 Transboundary 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.

5. 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.

6. The proponent shall obtain all necessary clearances/approvals that may be required before the start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection. The Ministry or any other competent authority may stipulate any further condition for environmental protection.

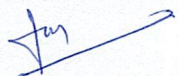
7. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

8. The coal company/project proponent shall be liable to pay the compensation against the illegal mining, if any, and as raised by the respective State Governments at any point of time, in terms of the orders dated 2nd August, 2017 of Hon'ble Supreme Court in WP (Civil) No.114/2014 in the matter of 'Common Cause Vs Union of India & others.

9. The concerned State Government shall ensure no mining operations to commence till the entire compensation for illegal mining, if any, is paid by the project proponent through their respective Department of Mining & Geology, in strict compliance of the judgment of Hon'ble Supreme Court.

10. This environmental clearance shall not be operational till such time the project proponent complies with the above said judgment of Hon'ble Supreme Court, as applicable, and other statutory requirements.

This issue with approval of the competent Authority.


(Lalit Bokolia)
Director

Copy to:

1. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi
2. The Secretary, Department of Environment & Forests, Government of Madhya Pradesh, Secretariat, Bhopal.
3. Principal Chief Conservator of Forests, Head of Forest Force, Madhya Pradesh Forest Department, Satpuda Bhawan, 1st Floor, Bhopal.

4. The Chairman, Central Ground Water Authority, Ministry of Jal Shakti, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
5. The District Collector, Singrauli, Government of Madhya Pradesh
6. Monitoring File/Guard File/Record File.
8. PARIVESH Portal



(Lalit Bokolia)
Director

Signature Not Verified
Digitally signed by Lalit Bokolia
Scientist F
Date: 5/25/2022 12:26:32 PM



R.K. Transport & Constructions Limited

Registered Office : Plot 65-A, Transport Nagar, Korba (C.G)-495677

Tel.: +91 7759222438, Fax : +917759246613

Bhopal Office : Plot No. 1, Sector - 2, Shanti Niketan, Bhopal (M.P.) - 462023

Tel.: 0755-4911370, 4911402

RKTC GROUP CIN - U45203CT2003PLCO15609, Web : www.rktcgroup.com, E-Mail : civil@rktcgroup.com

To,
The Regional Officer,
MoEF & CC (GOI), Regional Office,
Western Region, Kendriy paryawaran Bhawan,
E-5, Ravishankar Nagar, Bhopal-462016

Date: 01/06/2023

Sub.: Submission of Six Monthly EC Compliance Report (From October 2022 – March 2023) of the Conditions of Environmental Clearance for Coal Washery Plant.

Ref: EC Identification No. EC22A006MP157239
FILE NO. IA-J-11015/21/2020-IA-II(M), DATED 25.05.2022

Dear Sir,

In the view of subject and the reference stated above, we are submitting the compliance report for the work/operation completed till March 2023 from the date of EC Granted.

This compliance report is submitted for your information and office record purpose.

Further we fully assure you that we are complying with the following all general and specific conditions as specified by EAC.

Hope you will find the compliance of the condition in line of the instructions given to us wide your above letter.

Thanking you

Yours Sincerely

R. K. Transport & Constructions Limited

Director

M/s R.K. Transport & Constructions Ltd.

Authorized Signatory

- Cc:** 1. The Director General of Forest, MoEF & CC (GOI) Impact Assessment Division, Indira Paryawaran Bhavan, Jorbagh Road, New Delhi –3
2. The Regional Director, Central Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal – 462016
3. The Member Secretary, MP Pollution Control Board, Paryavaran Parisar, E-5 Arera Colony, Bhopal (MP)
4. Parivesh Portal

CONTENT

S.No.	DESCRIPTION
1.	Data Sheet
2.	Compliance of Environment Clearance Conditions (October 2022 to March 2023)
ANNEXURE	
1.	A-1: Copy of Environment Clearance Letter
2.	A-2: Copy of Consent to Establish of Air and Water
3.	A-3: Lab Report (Analysis of collected Air, water, Noise samples from/Near the plant site.)
4.	A-4: Other relevant Documents

1(A). Purpose of the Report

As per the “Sub Para (ii)” of “Para 10” of EIA Notification 2006, it is stated that “It shall be mandatory for the project management to submit six monthly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year” and as per compliance of condition mentioned in Environment Clearance Letter (i.e. Part B General Condition, point number XVII), Six Monthly Compliance Reports should be submitted to the Regulatory Authority of Central and State Government.

It is mandatory to submit a Six Monthly Compliance Report to show the status & compliance of all the Conditions mentioned in Environment Clearance Letter, along with monitoring of various Environmental Parameters (as per CPCB/MPPCB Norms). The regulatory authorities in this case are MoEF& CC, Delhi, MoEF& CC, Bhopal, MPSEIAA, and CPCB/MPPCB. Various scheduled Site Visits were conducted by a team of Experts to Monitor Pollution related parameters as defined by CPCB/MPPCB. Samples for water and Air and Noise were also collected for further analysis.

Based on the Specific and General Conditions mentioned in the EC Letter, a Compliance Report was prepared; details of which are present in Chapter – “Compliance Report”

This report is supposed to submit after every six months as per the conditions stipulated in Environment Clearance Order:

There is compliance with the conditions stipulated in the Environmental Clearance Letter.

1(B). Methodology for Preparation of Report is as follows:

1. Study of EC Letter & Related Documents,
2. Site Visits by a Team of Experts,
3. Monitoring of Environment Parameters, viz. Ambient Air, Water , Noise etc.
4. Analysis of Samples collected during Monitoring,
5. Interpretation of Monitoring Results,
6. Preparation of six monthly Environmental Compliance Report.

1(C). Generic Structure of Report:

1. Purpose of the Report, explaining the need of a Compliance Report and methodology adopted for preparation of Report.
2. Data Sheet
3. Compliance Report, explaining the entire specific & general conditions given in the EC Letter and providing details w.r.t. each condition/ guideline.
4. Supporting documents related mandatory for the proje

Monitoring the Implementation of Environmental Safeguards
Ministry of Environment Forest & CC

Part-1
Data Sheet

S.No.	Particulars	Details
1.	Project type:- mining/industry/thermal/nuclear/ others (specify)	New, Category - A 2 (a) Coal Washeries
2.	Name of the Project:	Wet Type Coal Washery Project Based On Heavy Media Cyclone (2.5 MTPA) at Vill- Gorbi, Tehsil – Chitrangi, District – Singrauli – 486882 (MP) By M/s R. K. Transport & Constructions Ltd.
3.	Clearance letter (s)/OM No. and Date:	EC Identification No. EC22A006MP157239 File No. IA-J-11015/21/2020-IA-II(M), DATED 25.05.2022 ToR Issued by MoEF & CC Vide File No.-J-11015/21/2020-IA-II(M), Dated 01.01.2021 CTE/CTO – CTE Fresh, Consent No. 56178 Validity 31/05/2027
4.	Location :	TOPOSHEET NO. : G44W11
	a) District (s)	Singrauli
	b) States (s)	Madhya Pradesh
	c) Location latitude/ longitude:	Coordinates Latitudes- 24°12'19.74"N to 24°12'20.89"E Longitudes- 82°36'59.32"N to 82°37'12.52"E
5.	Address for correspondence	
	a) Address of the Concentrated Project Chief Engineer (with Pin Code & telephone/tele/fax numbers:	M/s R.K. Transport & Construction Limited Vill- Gorbi, Tehsil – Chitrangi, District – Singrauli – 486882 (MP) Mo.- 7759222438 E-mail ID: rktransport200200@gmail.com
	b) Address of the Executive Project Engineer/Manager:	M/s R.K. Transport & Construction Limited Vill- Gorbi, Tehsil – Chitrangi, District – Singrauli – 486882 (MP) Mo.- 7759222438 E-mail ID: rktransport200200@gmail.com
6.	Salient feature:	
	a) Of the Project:	Wet Type Coal Washery Project Based On Heavy Media Cyclone with production capacity of 2.5 MTPA. Washed Coal will be supplied to nearby steel

		<p>plant & rejects will be supplied to power plant (MoU to be executed for rejects).</p> <p>Employment Generation: Employment and Job will be given to nearby locals.</p> <p>The project will be beneficial in terms of improvement of local infrastructure and revenue generation for Govt.</p> <p>No R& R Involves for Current Project.</p> <p>The site has good connectivity to railway siding (Public siding at Singrauli railway station, about 2.5 km away) and road.</p>
	b) Of the EMP :	<p>The Company has a well-defined policy to keep the environment clean and green. The company has decided that all effective steps shall be taken to ensure that the flow of Information from working level to top level should flow in smooth and coordinated manner, so that in case of deficiency is noted, it is brought to the notice of top management and preventive and corrective action is initiated in a systematic manner. M/S RKTC Ltd. Is Committed to Follow the National laws and regulations related to Environment Protection and prevention & Control of Pollution.</p> <p>Also,</p> <p>5 acres (approx..) land out of the land identified for the project i.e., 15 acres, has been earmarked for Green Belt Development.</p> <p>NO Forest land involves for current Project.</p> <p>Waste/Rejects will be supplied to power plant.</p> <p>Washed Coal/Rejects from the plant will be transported by road in covered trucks.</p> <p>The Project falls outside the CPA Boundary of Singrauli.</p> <p>No National Parks, Wild Life Sanctuaries and Eco-Sensitive Zones falls within 10 km Boundary of Project.</p> <p>Zero Liquid Discharge condition will be maintained.</p> <p>No treated waste water shall be discharged outside the boundaries of project area.</p>

7.	Break up the project area																																									
	a) Submergence area: Forest & None Forest	NO Forest land involves for current Project.																																								
	b) Others:	<table><tr><th>Sr. No.</th><th>Description</th><th>Area (Acres)</th><th>% Area</th></tr><tr><td>1</td><td>Plant Area</td><td>2.65</td><td>17.66</td></tr><tr><td>2</td><td>Raw Coal Storage Yard</td><td>1.60</td><td>10.66</td></tr><tr><td>3</td><td>Washed Coal Storage Yard</td><td>1.30</td><td>8.66</td></tr><tr><td>4</td><td>Rejects storage</td><td>1.45</td><td>9.66</td></tr><tr><td>5</td><td>Green belt area</td><td>5.0</td><td>33.33</td></tr><tr><td>6</td><td>Internal Road</td><td>1.5</td><td>10.0</td></tr><tr><td>7</td><td>Parking</td><td>0.5</td><td>3.33</td></tr><tr><td>8</td><td>Water reservoir & RWH</td><td>1.0</td><td>6.66</td></tr><tr><td>9</td><td>Total</td><td>15.0</td><td>100</td></tr></table>	Sr. No.	Description	Area (Acres)	% Area	1	Plant Area	2.65	17.66	2	Raw Coal Storage Yard	1.60	10.66	3	Washed Coal Storage Yard	1.30	8.66	4	Rejects storage	1.45	9.66	5	Green belt area	5.0	33.33	6	Internal Road	1.5	10.0	7	Parking	0.5	3.33	8	Water reservoir & RWH	1.0	6.66	9	Total	15.0	100
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8	Water reservoir & RWH	1.0	6.66																																							
9	Total	15.0	100																																							
8.	Breakup of the project affected population with enumeration of those losing house/dwelling units only agricultural land only both dwelling units & agricultural land & landless labours/ artisans:	No R& R Involves for Current Project.																																								
	a) SC, ST/adivasi																																									
	b) Others:																																									
	(Please indicate whether these figures are based on any scientific and systematic survey carried or only provisional figures, if a survey is carried out give details & year of survey)	No R& R Involves for Current Project.																																								
9.	Financial details :																																									
	a) Project coast as originally planned and subsequent revised estimates and the year of price reference:	Project Cost: Rs. ~25 crore.																																								
	b) Allocation made for EMP with item wise and year wise break-up.	In order to implement the recommended mitigation measures and institutionalize the EMP, budgetary provision of Rs. 324 lakhs capital expenditure has been made whereas annual recurring expenditure will be 99 lakhs of the capital expenditure.																																								
	c) BC ratio/IRR and the year of assessment	-																																								
	d) Whether includes the cost of EM as shown in the above	-																																								
	e) Actual expenditure incurred on the project so far.	-																																								
	f) Actual expenditure incurred	-																																								

	on the EMP so far.	
10.	Forest land requirement	
	a) The status of approval for diversion of forest land for non-forestry use.	NO Forest land involves for current Project.
	b) The status of clearing felling	-
	c) The Status of CA, if any	-
	d) Comments on the viability & sustainability of CA programme in the light of actual field experience so far.	-
11.	The status of clear felling in non-forest (such as submergence area or reservoir, approach road) if any with quantitative information required.	5 acres (approx..) land out of the land identified for the project i.e., 15 acres, has been earmarked for Green Belt Development.
12.	Status of construction (actual & /or planned)	
	a) Date of commencement (actual & /or planned)	15/07/2022
	b) Date of completion (actual & /or planned)	Planned – 30/06/2023
13.	Reasons for delay if the project is yet to starts.	We are in Construction phase.



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The Director
M/S R.K TRANSPORT & CONSTRUCTIONS LIMITED
Village-Gorbi, Tehsil-Chitrangi,,Singrouli,Madhya Pradesh-486882

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/MP/CMIN/182374/2020 dated 21 Feb 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC22A006MP157239 |
| 2. File No. | IA-J-11015/21/2020-IA-II(M) |
| 3. Project Type | New |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 2(a) Coal washeries |
| 6. Name of Project | Wet Type Coal Washery Project Based on Heavy Media Cyclone (2.5 MTPA) at Village - Gorbi, Tehsil - Chitrangi, District- Singrauli - 486882 (MP) by M/s R.K Transport & Constructions Limited. |
| 7. Name of Company/Organization | M/S R.K TRANSPORT & CONSTRUCTIONS LIMITED |
| 8. Location of Project | Madhya Pradesh |
| 9. TOR Date | 01 Jan 2021 |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 25/05/2022

(e-signed)
Lalit Bokolia
Scientist F
IA - (Coal Mining sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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File No IA-J-11015/21/2020-IAII(M)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan,
Jorbagh Road, N Delhi – 3
Email: lk.bokolia@nic.in Tel: 01120819471

To

Dated: 25th May, 2022

The Director
M/s R.K Transport & Constructions Limited
Village-Gorbi, Tehsil Chitrangi,
District Singrauli – 486882
Madhya Pradesh
Email id - rktransport200200@gmail.com

Sub: Wet Type Coal Washery Project based on Heavy Media Cyclone of production capacity 2.5 MTPA in an area of 15 acres of M/s R.K Transport & Constructions Limited located at Village Gorbi, Tehsil Chitrangi, District Singrauli (Madhya Pradesh) – For Environmental Clearance – reg.

Sir,

This has reference to your online proposal No. IA/MP/CMIN/182374/2020 dated 21st February, 2022, submitted to this Ministry for grant of Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986 for Wet Type Coal Washery Project based on Heavy Media Cyclone of production capacity 2.5 MTPA in an area of 15 acres of M/s R.K Transport & Constructions Limited located at Village Gorbi, Tehsil Chitrangi, District Singrauli (Madhya Pradesh).

2. The proposal was considered by the sectoral Expert Appraisal Committee (EAC) in its 27th meeting held on 4th March, 2022 and 29th EAC meeting held on 25 – 26 April, 2022.

3. The details of the project, as per the documents submitted by the project proponent, and also as informed during the meeting, are reported to be as under: -

- (i) The project area is covered under Survey of India Toposheet No-G44W11 and is bounded by the geographical coordinates ranging from 24°12'19.74"N to 24°12'20.89"N and longitudes 82°36'59.32"E and 82°37'12.52"E.
- (ii) No forest land involves for current project.
- (iii) No Coal definite linkage of the project is proposed. Washed coal will be supplied to nearby steel plant and rejects will be supplied to power plant. MoU to be executed for rejects.
- (iv) The raw coal from NCL mines mainly from Gorbi/Block B, Jayant Coal Mine and Dudhichua Coal and other mines will be transported by Road only. Washed coal from the

plant will be transported by road in covered trucks directly to the customer (or) by road upto nearest railway station (Manadiya Railway siding-2.8 Kms towards West direction and Singrauli station Railway Siding is at 2.6 Kms towards East direction) and from there by rail to the customer. Washery rejects from the plant will be transported by road in covered trucks directly to the customer (or) by road upto nearest railway station nearest railway station (Manadiya Railway siding-2.8 Kms towards West direction and Singrauli station Railway Siding is at 2.6 kms towards East direction) and from there by rail to the customer.

- (v) No Joint venture for current proposal.
- (vi) PP claimed that project does not fall in the Critically Polluted Area (CPA), where the MoEF&CC's vide its OM dated 13th January, 2010 has imposed moratorium on grant of environment clearance.
- (vii) The project site falls outside the CPA boundary of Singrauli. Confirmation /vetting vide letter no. 1890/HOMPPCB/Tech/ Singrauli/2022 dated 30.03.2022 regarding the same from Member Secretary, SPCB
- (viii) Employment generation, 75 employment and job will be given to nearby project.
- (ix) The project is reported to be beneficial in terms of jobs and improvement of local infrastructure and revenue generation for government.
- (x) Term of Reference was granted by Vide File No-J-11015/21/2020-IA-II(M), dated 01.01.2021.
- (xi) No National Parks, Wildlife Sanctuaries and Eco-Sensitive Zones fall within 10 km boundary of the project.
- (xii) The ground water level has been reported to be varying between 4.13 m to 18.50 m during pre-monsoon and between 2.94 m to 15.17m during post-monsoon. Total water requirement for the project is 490 KLD.
- (xiii) Public hearing for the project of 2.5 MTPA capacity in an area of 15 Acres was conducted on 8.11.2021 at Village-Gorbi, near project Site under the Chairmanship of Shri D.P Barman, Additional District Magistrate, Singrauli, M.P Major issues raised in the public hearing include priority to locals for Jobs and water pollution. No River/nalla is flowing within project boundary.
- (xiv) No court cases, violation cases are pending against the project of the PP.
- (xv) The project does not involve violation of the EIA Notification, 2006 and amendment issued the reunder.
- (xvi) No R&R involves for current project.
- (xvii) Total project cost is 25 crore.
- (xviii) 75 persons will get direct employment from the project.
- (xix) 2.5 MW electricity will be required for the project. It will be supplied by Madhya Pradesh Power Generation Company Limited.
- (xx) The site has good connectivity to railway siding (public siding at Singrauli railway station, about 2.5km away) and road.
- (xxi) Land identified for the project is 15 acres. 5 acres land has been earmarked for greenbelt development.
- (xxii) Water requirement for the project is 490 KLD. Water will be sourced from Parewa Nalla through dedicated pipeline and permission has been obtained. Company is committed to

allow the pipeline for supplying drinking water to Gorbi, Muher and Chamarkhoh village. For this purpose, company will bear the cost of pipeline, etc. Budget of Rs.22.5 Lakh has been already earmarked in the CER Budget. The work will be completed in FY 2022-2023

4. The proposal was considered by the sectoral Expert Appraisal Committee (EAC) in 29th EAC meeting through Video Conferencing held on 25- 26 April, 2022 and recommended for grant of Environment Clearance. Based on recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords approval to **Wet Type Coal Washery Project based on Heavy Media Cyclone of production capacity 2.5 MTPA in an area of 15 acres of M/s R.K Transport & Constructions Limited located at Village Gorbi, Tehsil Chitrangi, District Singrauli (Madhya Pradesh)**, under the provisions of Environment Impact Assessment Notification, 2006 and subsequent amendments/circulars thereto subject to the compliance of the following terms & conditions / specific conditions for environmental safeguards as stated below:-

- (i) PP to obtain the CTO for 2.5 MTPA capacity after grant of EC.
- (ii) The technology so chosen for ETP within washery should conform to 'Zero Liquid Discharge. No treated wastewater shall be discharged outside the boundaries of project area.
- (iii) Additional EMP measure to be adopted or dovetail as per the state action plan for abatement of pollution in Singrauli District provided by MPPCB, and revised EMP report to be furnished to IRO with six monthly compliances.
- (iv) Heavy metal content in raw coal, and washed coal shall be analyzed once in a year and records maintained thereof and it should be reported in IRO, report.
- (v) PP to fulfill all the commitment made to address the public hearing issued in time bound manner as committed and a compliance report should be furnished to IRO in every six monthly compliance report
- (vi) PP shall plant tree along the area proposed for 2.50 Ha along the periphery of the washery including avenue plantation and also plantation on haul roads to be done by June 2022.
- (vii) Thick green belt of 30-45 m width to be provided around the washery to mitigate/check the dust pollution. A 3-tier avenue plantation should also be developed along vacant areas, storage yards, loading/transfer points, and also along internal roads/main approach roads. A detailed action plan with budgetary provision should be submitted within 6 months to IRO. Areal images in this regard needs to be submitted in six monthly reports to IRO.
- (viii) Total fresh water requirement shall not exceed 490 KLD proposed to be met through pipeline from Parewa nallah. The Company's commitment to allow the pipeline coming from Parewa Nallah for supplying drinking water to Gorbi, Muher and Chamarkhoh village to be fulfilled within 1 year
- (ix) PP to install 1 continuous ambient air quality monitoring stations at suitable locations preferably village side with consultation of SPCB. The real time data so generated shall be uploaded on company website and linked it with website of CPCB & SPCB. In addition, data should also be displayed digitally at entry and exit gate of mine lease area for public display.
- (x) The impact of proposed project/activity on hydrological regime of the area shall be assessed and report to be submitted within the six month and recommendation shall be implemented

- (xi) The beautification of 2 ponds located nearby by the washery plants must be taken up by the PP with consultation of competent authority
- (xii) Transportation of rejects shall only be in 40 to 50 tonne trucks only if railway siding is not present at utilization points. If railway siding is available upto FBC Power Plants/Thermal Power Plant, then no transportation shall be allowed by trucks.
- (xiii) 5 nos. long ranging Fog canon system (mist spraying) shall be installed to reduce the impact of air pollution on transportation route and Railway siding
- (xiv) Road inside and at periphery of the washery plant shall be constructed of concrete only
- (xv) Solar street light to be installed with its proper maintenance along the road of 2.5 km reaching the Kathi – Singrauli highway.

(xvi) Transportation of raw coal should be done by closed conveyor belt uphill railway siding as no road transportation will be allowed

(xvii) The ROM coal shall be washed to bring down the ash content to <34%, ensuring more than 7% reduction in ash should be taken care off as committed by PP.

(xviii) PP to undertake the recruitment of a full-fledged qualified manpower with Environmental Engineer/Env. Science degree background in Environment Management Cell etc at coal washery site for compliance of EC conditions.

4.1 The grant of environmental clearance is further subject to compliance of the Standard EC conditions as under:

(a) Statutory compliance:

- (i) 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 involved in the project.
- (ii) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- (iii) 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. (incase of the presence of schedule-I species in the study area.
- (iv) The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- (v) The project proponent shall obtain the necessary permission from the Central Ground Water Authority.

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- (vi) Solid waste/hazardous waste generated in the washery needs to be addressed in accordance to the Solid Waste Management Rules, 2016 / Hazardous & Other Waste Management Rules, 2016.
- (vii) Coal beneficiation practices shall be carried out under strict adherence to provisions of the Factories Act, 1957 and subordinate legislations made there under.
- (b) Air quality monitoring and preservation**
- (i) 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, SO₂ and NO_x. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. carried out at least once in six months.
- (ii) Continuous ambient air quality monitoring stations as prescribed in the statute be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM₁₀, PM_{2.5}, SO₂ and NO_x. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried out at least once in six months. *To be Remove*
- (iii) Transportation of coal by road shall be carried out by covered trucks/conveyors. The transportation of clean coal and rejects shall be by rail with wagon loading through silo. Effective measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulates such as roads, belt conveyors, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled at source. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.
- (iv) All approach roads shall be black topped and internal roads shall be concreted. The roads shall be regularly cleaned. Coal transportation shall be carried out by covered trucks.
- (v) Covered trucks shall be engaged for mineral transportation outside the washery upto the railway siding, shall be optimally loaded to avoid spillage en-route. Trucks shall be adequately maintained and emissions shall be below notified limits.
- (vi) Facilities for parking of trucks carrying raw material from linked mine shall be created within the unit.
- (vii) Vehicular emissions shall be kept under control and regularly monitored. The vehicles having 'PUC' certificate from authorized pollution testing centres shall be deployed for washery operations.

- (viii) Hoppers of the coal crushing unit and other washery units shall be fitted with high efficiency bag filters/mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and from transportation roads.
- (ix) The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site (s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored mineral does not catch fire.
- (x) The temporary reject sites should appropriate planned and designed to avoid air and water pollution from such sites.

(c) Water quality monitoring and preservation

- (i) 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 25.9.2000 and as amended from time to time by the Central Pollution Control Board.
- (ii) 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-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for compliance.
- (iii) Industrial waste 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 time.
- (iv) 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 washery. 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 stabilised with plantation so as to withstand the peak water pressure preventing any chance of inundation.
- (v) Heavy metal content in raw coal and washed coal shall be analysed once in a year and records maintained thereof.
- (vi) The rejects should preferably be utilized in FBC power plant or disposed off through sale for its gainful utilization. If the coal washery rejects are to be disposed off, it should be done in a safe and sustainable manner with adequate compaction and post closure arrangement to avoid water pollution due to leachate from rejects and surface run off from reject dumping sites.

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- (vii) An Integrated Surface Water Management Plan for the washery area up to its buffer zone considering the presence of any river/rivulet/pond/lake *etc.* with impact of coal washing activities on it, shall be prepared, submitted to MoEFCC and implemented.
- (viii) Waste Water shall be effectively treated and recycled completely either for washery operations or maintenance of green belt around the plant.
- (ix) Rainwater harvesting in the washery premises shall be implemented for conservation and augmentation of ground water resources in consultation with Central Ground Water Board.
- (x) No ground water shall be used for coal washing unless otherwise permitted in writing by competent authority (CGWA) or MoEFCC. The make-up water requirement of washery should not exceed 1.5 m³/tonne of raw coal.
- (xi) 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.
- (xii) Monitoring of water quality upstream and downstream of water bodies 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.
- (xiii) The project proponent shall take all precautionary measures to ensure riverine/ riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government

(d) Noise and Vibration monitoring and prevention

- (i) 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.
- (ii) 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.

(e) Coal beneficiation



- (i) Coal stacking plan shall be prepared separately for raw coal, clean coal, middling and rejects.
- (ii) Efforts should be made to reduce energy consumption by conservation, efficiency improvements and use of renewable energy.

(f) Green Belt

- (i) Three tier greenbelt comprising of a mix of native species, of minimum 30 m width shall be developed all along the washery area to check fugitive dust emissions and to render aesthetic to neighbouring stakeholders. A 3-tier green belt comprising of a mix of native species or tree species with thick leaves shall be developed along vacant areas, storage yards, loading/transfer points and also along internal roads/main approach roads.
- (ii) 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.

(g) Public hearing and Human health issues

- (i) Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this ministry & its RO on six-monthly basis.
- (ii) 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.
- (iii) 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.
- (iv) Implementation of the 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 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 of the company/State Government/Central Government, as applicable.
- (v) The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/57/2014-IA.II (M) dated 29th 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'.

(h) Corporate Environment Responsibility

- (i) Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 30th September 2020 and based on commitment made during public consultation process for incorporating in EIA-EMP for deliberation of EAC
- (ii) 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. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- (iii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- (iv) 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.
- (v) Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

(i) Miscellaneous

- (i) 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.
- (ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats 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.

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- (iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- (iv) The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- (v) 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.
- (vi) 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.
- (vii) The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
- (viii) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- (ix) 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.
- (x) No change in coal beneficiation process and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC) with such conditions mentioned therein. No change in the maximum quantum of raw material feed per annum against the approved washery capacity shall be made.
- (xi) 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.
- (xii) The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- (xiii) The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- (xiv) 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.

(xv) The above conditions shall be enforced, inter-alia under the provisions of the Water (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 Transboundary 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.

5. 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.

6. The proponent shall obtain all necessary clearances/approvals that may be required before the start of the project. The Ministry or any other competent authority may stipulate any further condition for environmental protection. The Ministry or any other competent authority may stipulate any further condition for environmental protection.

7. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

8. The coal company/project proponent shall be liable to pay the compensation against the illegal mining, if any, and as raised by the respective State Governments at any point of time, in terms of the orders dated 2nd August, 2017 of Hon'ble Supreme Court in WP (Civil) No.114/2014 in the matter of 'Common Cause Vs Union of India & others.

9. The concerned State Government shall ensure no mining operations to commence till the entire compensation for illegal mining, if any, is paid by the project proponent through their respective Department of Mining & Geology, in strict compliance of the judgment of Hon'ble Supreme Court.

10. This environmental clearance shall not be operational till such time the project proponent complies with the above said judgment of Hon'ble Supreme Court, as applicable, and other statutory requirements.

This issue with approval of the competent Authority.


(Lalit Bokolia)
Director

Copy to:

1. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi
2. The Secretary, Department of Environment & Forests, Government of Madhya Pradesh, Secretariat, Bhopal.
3. Principal Chief Conservator of Forests, Head of Forest Force, Madhya Pradesh Forest Department, Satpuda Bhawan, 1st Floor, Bhopal.

4. The Chairman, Central Ground Water Authority, Ministry of Jal Shakti, Jamnagar House,
18/11, Man Singh Road Area, New Delhi, Delhi 110001
5. The District Collector, Singrauli, Government of Madhya Pradesh
6. Monitoring File/Guard File/Record File.
8. PARIVESH Portal


(Lalit Bokolia)
Director

Signature Not Verified
Digitally signed by Lalit Bokolia
Scientist F
Date: 5/25/2022 12:26:32 PM

4. The Chairman, Central Ground Water Authority, Ministry of Jal Shakti, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
5. The District Collector, Singrauli, Government of Madhya Pradesh
6. Monitoring File/Guard File/Record File. 8. PARIVESH Portal


(Lalit Bokolia)
Director

Signature Not Verified
Digitally signed by Lalit Bokolia
Scientist F
Date: 5/25/2022 12:26:32 PM

**SIX MONTHLY COMPLIANCE REPORT TO EC CONDITIONS FOR WET TYPE
COAL WASHERY PROJECT
BASED ON HEAVY MEDIA CYCLONE**

(01st OCTOBER 2022 – 31st MARCH 2023)

**PP: M/s R.K. TRANSPORT & CONSTRUCTIONS LTD.
Vill- Gorbi, Tehsil- Chitrangi, Singrauli, Madhya Pradesh, 486882**

**Lease Area: 15 Acres
Production Capacity: 2.5 MTPA
Located at, Village – Gorbi,
Tehsil - Chitrangi, District - Singrauli, (M.P.)**

**EC ISSUED BY MoEF & CC (Impact Assessment Division) EC IDENTIFICATION NO.
EC22A006MP157239 , VIDE FILE NO. IA-J-11015/21/2020-IA-II(M), DATED 25.05.2022**

Sl. No.	General Conditions:	Compliance Status
1.	PP to obtain the CTO for 2.5 MTPA capacity after grant of EC.	Consent to Establish (CTE) Consent No: CTE-56178, vide letter No. 115844 Dated 21.06.2022 from MPPCB with validity Upto 31.05.2027 has been obtained. Company shall apply for Consent to Operate (CTO) for commencement of Operation after the completion of Construction work.
2.	The Technology so chosen for ETP within washery should confirm to 'Zero Liquid Discharge. No. treated waste water shall be discharged outside the boundaries of project area.	Zero Liquid Discharge condition shall be maintained. No treated waste water shall be discharged outside the boundaries of project area. All processed water Effluent shall be collected in the thickener wherein Poly-electrolyte flocculent shall be added to facilitate the settling process. The Thickener Underflow sludge shall be pumped to a multi Roll Belt Press Filter which shall squeeze out the water from coal fines. The squeezed out water shall return back to the Thickener and coal fines discharged in the form of cake by the belt press filter shall be mixed with washery rejects which in turn shall be utilized as fuel in CFBC/AFBC Power Plants. The clarified water collected as Overflow from Thickener shall be pumped back to the washery and Used as Process water, thus, ensuring Close Circuit Water System and Zero Liquid Discharge.
3.	Additional EMP Measure to be Adopted or dovetail Outside as per the state action plan for abatement of Pollution in Singrauli District provide by MPPCB, and Revised EMP report to be furnished to IRO with six monthly compliances.	Adherence shall be made as per the stipulated Condition in order to implementation of Comprehensive Environmental Pollution Index (CEPI) Action plans. Revised EMP report is enclosed herewith. Analysis Report of Environmental

		parameters at/near plant site and same shall be furnished to IRO.
4.	Heavy Metal content in raw coal, and washed coal shall be analyzed once In a year and records maintained thereof and it should be reported in IRO, report.	Adherence shall be made as per the stipulated Condition after Getting CTO from MPPCB and same shall be reported in IRO, report.
5.	PP to fulfill all the commitment made to address the public hearing issued in time bound manner as committed and a compliance report should be furnished to IRO in every six monthly compliance report.	Partially Complied.
6.	PP shall plant tree along the area proposed for 2.50 Ha along the periphery of the washery including avenue plantation and also plantation on haul roads to be done by June 2022.	Complying. Plantation is in progress. 1500 Nos. of trees are planted in green belt area including plantation on haul roads and photographs of the same is enclosed herewith.
7.	Thick green belt of 30-45 m width to be provided around the washery to mitigate/check the dust pollution. A 3-tier avenue plantation should also be developed along vacant areas, storage yards, loading/transfer points, and also along internal roads/main approach roads. A detailed action plan with budgetary provision should be submitted within 6 months to IRO. Areal images in this regard needs to be submitted in six monthly reports to IRO.	Complying. Plantation is in progress. 1500 Nos. of trees are planted in green belt area including plantation on haul roads and photographs of the same is enclosed herewith.
8.	Total fresh water requirement shall not exceed 490 KLD proposed to be met through pipeline from Parewa nallah. The Company's commitment to allow the pipeline coming from Parewa Nallah from supplying drinking water to Gorbi, Muher and Chamarkhoh village to be fulfilled within 1 year.	No object Certificate for ground water Abstraction has been obtained by the company from CGWA vide Noc No. CGWA/NOC/IND/ORIG/2023/18068 Dated 31/03/2023 with validity upto 18/02/2026 permitted quantity 490 KLD. Hence, we does not require to extract the water through pipeline from parewa nallah. (A copy of NOC is enclosed herewith)
9.	PP to install 1 continuous ambient air quality monitoring stations as suitable locations preferably village side with consultation of SPCB. The real time data so generated shall be uploaded on company website and linked it with website of CPCB & SPCB. In addition, data should also be displayed digitally at entry and exit gate of mine lease area for public display.	Installation of Ambient Air Quality Monitoring Station is in Process and shall be done before commencing the plant operation. Adherence shall be made as per the stipulated condition.
10.	The impact of proposed project/activity on hydrological regime of the area shall be assessed and report to be submitted within the six month and recommendation shall be implemented.	Monitoring the parameters of water bodies viz, Ground Water & Surface Water is being done by third party and the analysis report of the same is enclosed herewith. Impact study is to be carried out and report shall be submitted with the upcoming six monthly compliance report.

11.	The beautification of 2 ponds located nearby by the washery plants must be taken up by the PP with consultation of competent authority	Noted and shall be complied.
12.	Transportation of rejects shall only be in 40 to 50 tonne trucks only if railway siding is not present at utilization points. If railway siding is available upto FBC Power Plants/Thermal Power Plant, there no transportation shall be allowed by trucks.	Agreed and shall be complied.
13.	5 nos. long ranging Fog canon system (mist spraying) shall be installed to reduce the impact of air pollution on transportation route and Railway siding	Dust Suppression Water Sprinkling system has been installed in the plant, as we are in construction phase, long ranging Fog canon system (mist spraying) is to be installed, to reduce the impact of Air pollution on transportation route and Railway siding before commencing the operation phase.
14.	Road inside and at periphery of the washery plant shall be constructed of concrete only	Complied. Photographs of the Constructed Concrete road is enclosed herewith.
15.	Solar street light to be installed with its proper maintenance along the road of 2.5 km reaching the Kathi - Singrauli highway.	Agreed Adherence shall be made as per the stipulated condition.
16.	Transportation of raw coal should be done by closed conveyor belt uphill railway siding as no road transportation will be allowed	Agreed and shall be complied.
17.	The ROM coal shall be washed to bring down the ash content to <34%, ensuring more than 7% reduction in ash should be taken care off as committed by PP.	Agreed Adherence shall be made as per the stipulated condition.
18.	PP to Undertake the requirement of a full-fledged qualified manpower with Environmental Engineer/Env. Science degree background in Environment Management Cell etc at coal washery site for compliance of EC conditions.	An Environmental Management Cell has been established and we undertake that our Environmental Management Cell is full-fledged by qualified manpower.

(a) Statutory Conditions:-

1.	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 involved in the project.	NO Forest land involved in the current Project.
2.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	No National Parks, Wild Life Sanctuaries and Eco-Sensitive Zones falls within 10 km Boundary of the Project.
3.	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	No National Parks, Wild Life Sanctuaries and Eco-Sensitive Zones falls within 10 km Boundary of the Project.

	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. (incase of the presence of schedule-I species in the study area.	
4.	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee.	Consent to Establish under the Air and Water Act from M.P. Pollution Control Board has been obtained. A copy of CTE is enclosed herewith.
5.	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	No object Certificate for ground water Abstraction has been obtained by the company from CGWA vide Noc No. CGWA/NOC/IND/ORIG/2023/18068 Dated 31/03/2023 with validity upto 18/02/2026 permitted quantity 490 KLD. (A copy of NOC is enclosed herewith)
6.	Solid waste/hazardous waste generated in the washery needs to addressed in accordance to the Soild Waste Management Rules, 2016 / Hazardous & Other Waste Management Rules, 2016.	Waste/Rejects shall be supplied to power plant. (MoU to be executed for rejects)
7.	Coal beneficiation practices shall be carried out under strict adherence to provisions of the Factories Act, 1957 and subordinate legislations made there under.	Agreed Adherence shall be made as per the stipulated condition.

(b) Air Quality Monitoring and Preservation

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 Nox. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. carried out at least once in six months.	Installation of adequate ambient air quality monitoring station is in process. Monitoring heavy metals such as Hg, As, Ni, Cd, Cr, etc. Ambient Air Quality Monitoring Report is enclosed herewith.
2.	Continuous ambient air quality monitoring stations as prescribed in the status be established in the core zone as well as in the buffer for monitoring of pollutants, namely PM ₁₀ , PM _{2.5} , SO ₂ and NO _x . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried	Installation of adequate ambient air quality monitoring station is in process. Monitoring heavy metals such as Hg, As, Ni, Cd, Cr, etc. Ambient Air Quality Monitoring Report is enclosed herewith.

	out at least once in Six months.	
3.	Transportation of coal by road shall be carried out by covered trucks/conveyors. The transportation of clean coal and rejects shall be by rail with wagon loading through silo. Effective measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulates such as roads, belt conveyors, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled at source. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.	<p>Transportation of coal shall be done through covered trucks and the clean coal and rejects shall be transport by rail mode.</p> <p>Regular water sprinkling in critical areas shall be done.</p> <p>Necessary measures shall be taken to control Fugitive dust emissions from all sources and it shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board.</p>
4.	All approach roads shall be black topped and internal roads shall be concreted. The roads shall be regularly cleaned. Coal transportation shall be carried out by covered trucks.	<p>Partially Complied</p> <p>Internal roads are constructed with concrete. Black topping of approach road is under construction. Photographs of the Constructed Concrete road is enclosed herewith.</p> <p>Ensuring that transportation of coal shall be done through covered trucks only.</p>
5.	Covered trucks shall be engaged for mineral transportation outside the washery upto the railway siding, shall be optimally loaded to avoid spillage en-route. Trucks shall be adequately maintained and emissions shall be below notified limits.	Agreed and shall be complied as per the stipulated condition.
6.	Facilities for parking of trucks carrying raw material from linked mine shall be created within the unit.	<p>Noted and complying.</p> <p>Parking for trucks is made available within the unit.</p>
7.	Vehicular emission shall be kept under control and regularly monitored. The vehicles having 'PUC' certificate from authorized pollution testing centers shall be deployed for washery operations.	Agreed and shall be complied.
8.	Hoppers of the coal crushing unit and other washery units shall be fitted with high efficiency bag filters/mist spray water sprinkling system shall be installed and operated effectively at all time of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and from transportation roads.	<p>Complied.</p> <p>Mist spray Water sprinkling system has been installed on hoppers and other washery units and shall be operated at all time of operations.</p> <p>Photographs of the sprinkling system is enclosed herewith.</p>
9	The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site (s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored mineral dose not catch fire.	Adherence Shall be made as per the stipulated condition.

10.	The temporary reject sites should appropriate planned and designed to avoid air and water pollution from such site.	Adherence Shall be made as per the stipulated condition.
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(c) Water Quality Monitoring and Preservation

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 25.09.2000 and as amended from time by the Central Pollution Control Board.	Agreed and shall be complied. (Monitoring the parameters of water bodies viz. Ground Water & Surface Water is being done by third party and the analysis report of the same is enclosed herewith.)
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. II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for compliance.	Complying.
3.	Industrial waste 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 time.	Zero Liquid Discharge condition shall be maintained. No treated waste water shall be discharged outside the boundaries of project area. All processed water Effluent shall be collected in the thickener wherein Poly-electrolyte flocculent shall be added to facilitate the settling process. The Thickener Underflow sludge shall be pumped to a multi Roll Belt Press Filter which shall squeeze out the water from coal fines. The squeezed out water shall return back to the Thickener and coal fines discharged in the form of cake by the belt press filter shall be mixed with washery rejects which in turn shall be utilized as fuel in CFBC/AFBC Power Plants. The clarified water collected as Overflow from Thickener shall be pumped back to the washery and Used as Process water, thus, ensuring Close Circuit Water System and Zero Liquid Discharge.
4.	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 washery. 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 inundation.	Agreed and shall be complied.

5.	Heavy metal content in raw coal and washed coal shall be analysed once in a year and records maintained thereof.	Agreed and shall be complied.
6.	The rejects should preferably be utilized in FBC power plant or disposed off through sale for its gainful utilization. If the coal washery rejects are to be disposed off, it should be done in a safe and sustainable manner with adequate compaction and post closure arrangement to avoid water pollution due to Leachate from rejects and surface run off from reject dumping sites.	Agreed and shall be complied.
7.	An Integrated Surface Water Management Plan for the washery area up to its buffer zone considering the presence of any river/rivulet/pond/lake etc. with impact of coal washing activities on it, shall be prepared, submitted to MoEFCC and implemented .	Agreed and shall be complied. Surface Water Management shall be prepared and Submitted with the upcoming six monthly compliance report.
8.	Waste Water shall be effectively treated and recycled completely either for washery operations or maintenance of green belt around the plant.	Agreed and shall be complied. Zero liquid discharge policy shall be maintained by the company.
9.	Rainwater harvesting in the washery premises shall be implemented for conservation and augmentation of ground water resources in consultation with Central Ground Water Board.	Rainwater harvesting system shall be installed in washery office buildings at the earliest.
10.	No ground water shall be used for coal washing unless otherwise permitted in writing by competent authority (CGWA) or MOEFCC. The make-up water requirement of washery should not exceed 1.5 m3/tonne of raw coal.	No object Certificate for ground water Abstraction has been obtained by the company from CGWA vide Noc No. CGWA/NOC/IND/ORIG/2023/18068 Dated 31/03/2023 with validity upto 18/02/2026 permitted quantity 490 KLD. (A copy of NOC is enclosed herewith)
11.	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.	Complying. (Monitoring the parameters of water bodies viz. Ground Water & Surface Water is being done by third party and the analysis report of the same is enclosed herewith.)
12.	Monitoring of water quality upstream and downstream of water bodies 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.	Complying. (Monitoring the parameters of water bodies viz, Ground Water & Surface Water is being done by third party and the analysis report of the same is enclosed herewith.)
13.	The project proponent shall take all precautionary measures to ensure riverine/ riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and	Agreed and shall be complied at the earliest.

	implemented in consultation with the irrigation / water resource department in the state government.	
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(d) Noise and Vibration Monitoring and Preservation

1.	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.	Complying. (monitoring the parameters of Noise is being done by third party and the analysis report of the same is enclosed herewith.)
2.	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.	Agreed and shall be complied.

(e) Coal Beneficiation

1.	Coal stacking plan shall be prepared separately for raw coal, clean coal, middling and rejects.	Layout Plan for stacking of raw coal, clean coal, middling and rejects is enclosed herewith.
2.	Efforts should be made to reduce energy consumption by conservation, efficiency improvements and use of renewable energy.	Company shall put the best efforts in terms to reduce energy consumption.

(f) Green Belt

1.	Three tier greenbelt comprising of a mix of native species, of minimum 30 m width shall be developed all along the washery area to check fugitive dust emissions and to render aesthetic to neighbouring stakeholders. A 3-tier green belt comprising of a mix of native species or tree species with thick leaves shall be developed along vacant areas, storage yards, loading/transfer points and also along internal roads/main approach roads.	Complying & shall be complied further. Plantation is in progress. 1500 Nos. of trees are planted in green belt area including plantation on haul roads and photographs of the same is enclosed herewith.
2.	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	Noted and shall be taken care of.

	Supreme Court with regard to acquiring grazing land	
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(g) Public hearing and Human health issues

1.	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this ministry & its RO on six-monthly basis.	This is a wet type coal washery project. Adequate illumination is ensured in the washery area and shall be monitored.
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.	Yes Complying and shall be complied further.
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.	Complying. Photographs enclosed.
4.	Implementation of the 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 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 of the company/State Government/Central Government, as applicable.	Noted and complying. No R& R Involves for Current Project.
5.	The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/57/2014-IA.II (M) dated 29th 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'.	Noted. This is a wet type coal washery Project.

(h) Corporate Environment Responsibility

1.	Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 30th September 2020 and based on commitment made during public	Partially Complied.
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	consultation process for incorporating in EIA-EMP for deliberation of EAC	
2.	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. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	<p>The Company has a well-defined policy to keep the environment clean and green. The company has decided that all effective steps shall be taken to ensure that the flow of Information from working level to top level should flow in smooth and coordinated manner, so that in case of deficiency is noted, it is brought to the notice of top management and preventive and corrective action is initiated in a systematic manner.</p> <p>M/S RKTC Ltd. Is Committed to Follow the National laws and regulations related to Environment Protection and prevention & Control of Pollution.</p> <p>Also, 5 acres (approx..) land out of the land identified for the project i.e., 15 acres, has been earmarked for Green Belt Development.</p>
3.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	We have established an Environmental Management Cell and undertake that our Environmental Management Cell is full-fledged by qualified manpower..
4.	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>Plantation is in progress. 1500 Nos. of trees are planted in green belt area including plantation on haul roads and photographs of the same is enclosed herewith the compliance report.</p> <p>Monitoring of the parameters of water bodies viz, Ground Water & Surface Water is being done by third party.</p> <p>Mist spray Water sprinkling system has been installed on hoppers and other washery units.</p>
5.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Agreed and shall be complied.

(i) Miscellaneous

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.	Complied.
2.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats 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.	Complied.
3.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Complying.
4.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Monitoring of the parameters of water bodies viz. Ground Water & Surface Water is being done by third party.
5.	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.	Noted and Complying.
6.	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.	Complying.
7.	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.	Noted and shall be complied.
8.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Agreed and shall be complied.
9.	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.	Agreed and shall be complied.

10.	No change in coal beneficiation process and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC) with such conditions mentioned therein. No change in the maximum quantum of raw material feed per annum against the approved washery capacity shall be made	Agreed.
11.	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.	Agreed.
12.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed.
13.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Agreed.
14.	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.	Agreed.
15.	The above conditions shall be enforced, inter-alia under the provisions of the Water (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 Transboundary 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.	Noted.

Further we fully assure you that we will comply with the above all conditions as specified by EAC.

Thanking You

Faithfully Yours

For R.K. Transport & Constructions Limited

R. K. Transport & Constructions Limited

Director

Authorized Signatory



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

ORANGE-LARGE

CTE-Fresh
Validity : 31/05/2027

CONSENT NO: ***

PCB ID:
148953

Outward No:115844,21/06/2022
NO: /MPPCB/SIN

Consent No:CTE-56178

To,

The Project,
M/s. R.K Transport & Constructions Limited,
Khasra No-1345,1349,1350, 1351 ,1352/1 ,1352/2 ,1355/1 ,1357,
Village - Gorbi, Tehsil - Chitrangi,
District- Singrauli, PIN 486 882 (M.P.)

Subject: Grant of Consent to Establish under section 25 of the Water (Prevention & Control of Pollution) Act,1974 and under section 21 of the Air (Prevention & Control of Pollution) Act,1981

Ref: Your Consent to Establish Application Receipt No. 1166632 Dt. 31/05/2022 and last communication received on Dt. 07/06/2022

Without prejudice to the powers of this Board under section 25 of the Water (Prevention & Control of Pollution) Act,1974 and under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and without reducing your responsibilities under the said Acts in any way, this is to inform you that this Board grants Consent to Establish for setting up of an industrial plant/activities at Khasra No-1345,1349,1350, 1351 ,1352/1 ,1352/2 ,1355/1 ,1357, Village - Gorbi, Tehsil - Chitrangi, District- Singrauli, PIN 486 882 (M.P.) and -

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. Location:** Khasra No-1345,1349,1350, 1351 ,1352/1 ,1352/2 ,1355/1 ,1357, Village - Gorbi, Tehsil - Chitrangi, District- Singrauli, PIN 486 882 (M.P.)
- b. The capital investment :** Rs 25.00 Crs
- c. Product & Production Capacity:**

Product	Qty / year
WASHED COAL	200000.000 M.T

Note :

- For any change in above Project proponent shall obtain fresh consent from the Board.
- This consent to establish in no way be taken as measures of proof that the project proponent has not violated any pollution control laws at any time in the past. Hence, whatsoever may be decision of the Hon'ble Court/NGT etc shall be binding to both Project Proponent and this Board.
- PP shall comply EC terms & conditions issued by MoEF&CC vide letter dt. 25.05.2022.

The consent (for operation) as required shall be granted to your industry after fulfillment of all the conditions mentioned above. For this purpose you shall have to make an application to this Board in the prescribed proforma at least two months before the expected date of commissioning of your industry. The applicant shall not operate the unit without obtaining consent for operation from the Board and shall not bring in to use any out let for the discharge of effluent and gaseous emission.

Enclosures:-

- * Conditions under Water Act
- * Conditions under Air Act
- * General conditions



Signature Not Verified
Digitally Signed by : A. A
Mishra, Member Secretary
Date: 21/06/2022 06:55:56 PM

ACHYUT ANAND MISHRA
Member Secretary

(Organic Authentication on AADHAR from UIDAI Server)
TPAV # J973RL49OB



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-

1. The daily quantity of trade effluent at out fall of the unit shall not exceed 0.000 KL/day, and the daily quantity of sewage at out fall of the unit shall not exceed 2.000 KL/day

2. **Trade Effluent Treatment:-** ETP within washery should conform to "Zero Liquid Discharge", No treated waste water shall be discharged outside the boundaries of project area.

The applicant shall provide comprehensive effluent treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

pH	Between	5.5 – 9.0	TDS	Not exceed	2100 mg/l.
Suspended Solids	Not exceed	100 mg/l.	Chlorides	Not exceed	1000 mg/l.
BOD ₃ Days 27 °C	Not exceed	30 mg/l.			
COD	Not exceed	250 mg/l.			
Oil and grease	Not exceed	10 mg/l.			

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. **Sewage Treatment :-** The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD 3 Days 27°C	Not exceed	30 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt development/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

Sr	Water Code (Qty in klpd - Kilo Ltr per Day)	WC : 490.000	WWG : 0.000	Water Source	Remark
1	Boiler Feed	440.000	0.000	Other	SURFACE WATER
2	Domestic Purpose	10.000	2.000	Other	TREATED IN STP
3	Dust Suppression	40.000	0.000	Other	

6. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The Consent does not authorize or approve the Construction of any physical structures or facilities or the undertaking of any work in any water course or within its high flood level (HFL) area

9. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

10. Compilation of Monitoring data-

- Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications

Consent No:CTE-56178



and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.

iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

11. Recording of Monitoring Activities & Results-

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

12. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

13. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

14. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

15. Disposal of Collected Solid waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

16. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

17. Prohibition of By pass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent in prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

18. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

Additional Water condition:-

- 1. ETP within washery should conform to "Zero Liquid Discharge", No treated waster water shall be discharged outside the boundaries of project area.

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- Heavy metal content in raw coal, and wahsed coal shall be analyzed once in a year and records maintained thereof and it should be reported to the Board.
- PP shall plant tree along the area proposed for 2.50 Ha along the periphery of the washery including avenue plantation and also plantation on haul road.
- Road in side and at periphery of the washery plant shall be constructed of concrete only.
- Transportation of raw coal should be done by closed conveyor belt uphill railway siding as no road transportation will be allowed.

CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

Name of section	Capacity	Stack height(mtrs)	Fuel	Control equipment to be installed	P.M, SOX, NOX(mg/NM3)
RotaryKiln		30	ELE	Bag Filter,Dust Collector,Dust Suppressor,Green Belt,Natural Draft,Screen Cover,Ventilated Working Shed,Water Deep Tank,Water Sprinkler,Wind Breaking Wall,	150,100,50

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated:

16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - 100 µg/m³ (PM10 µg/m³ 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - 60 µg/m³ (PM2.5 µg/m³ 24 hrs. basis)
- Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 µg/m³
- Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 µg/m³
- Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m³

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. Industry/Unit shall provide with each stack port hole with safe platform of 1 meter width with support & spiral ladder/ Stepped ladder with hand rail up to monitoring platform as per specifications given in part-III emission regulation of CPCB. In no case monkey ladder shall be allowed as stack monitoring facility.

5. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

6. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

7. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

8. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

9. Industry shall take effective steps for extensive tree plantation preferably in 03 rows of the local tree species with minimum spacing of 2X2 meters within or around the industry/unit premises for general improvement of environmental conditions and as stated in below..

Additional Air condition:-

- Management shall install CAAQMS stations at suitable locations to monitor ambient air quality in the leased area and its vicinity and shall provide its suitable unhindered connectivity with Environment Surveillance Centre of the MPPCB. Data should also be displayed digitally at proper place for public display.
- Coal handling plant and coal loading and unloading in railway wagons / trucks should be provided with adequate number of high efficiency dust extraction / suppression system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated. Dust control measures shall be adopted at coal transfer point.

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3. Management shall provide continues water sprinkler systems / rain gun at suitable locations on the road side and also provide proper pollution control arrangements to control the fugitive emission generates due to transportation of Coal from CHP.
4. Vehicular emissions should be kept under control and regularly monitored for compliance of emission norms. Vehicles used for transporting the mineral should be covered with tarpaulins and optimally loaded.
5. Extensive tree plantation shall be done on both sides of Mineral transportation roads and around mining lease area. The tree plantation shall be carried out in phase manner preferably with local species. Good housekeeping practice shall be adopted by the Mine.
6. The management shall comply with the conditions stipulated in the Environmental Clearance.
7. 5 nos. long ranging Fog canon system (mist spraying) shall be installed to reduce the impact of air pollution on transportation route and Railway siding.
8. Crushers at the CHP shall be operated with high efficiency bag filters. Management shall have to maintain automatic water spraying system for CHP, Coal stock yard and haul roads.
9. Management shall provide fencing all around the lease area to prevent the occurrence of accidental hazard.
10. Management shall install industrial grade HD IP (Internet Protocol) Pan-Tilt-Zoom (PTZ) Camera with minimum 5X zoom and night vision facility for remote surveillance and constant vigil of emission source and effluent discharge points.

GENERAL CONDITIONS:

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

Non Hazardous Solid wastes:-

Type of waste	Quantity	Disposal
Scrap/ Plastic packing material wood, card board, gunny begs etc		Sale to authorized party/As Per CPCB. MoEF Guide lines / Others.

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- e. To sample at reasonable times any discharge or pollutants.

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

6. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

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7. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

8. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

9. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

- (a) Violation of any terms and conditions of this Consent.
- (b) Obtaining this Consent by misrepresentation or failure to disclose fully all relevant facts.
- (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

10. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

For and on behalf of
M.P. Pollution Control Board



(Organic Authentication on AADHAR from UIDAI Server)
TPAV # J973RL49OB

ACHYUT ANAND MISHRA
Member Secretary

Consent No:CTE-56178

CHAPTER-10 : ENVIRONMENTAL MANAGEMENT PLAN

10.0 INTRODUCTION

Any industrial development is associated with certain positive impacts as well as some negative impacts on the environment. The negative or adverse impacts cannot possibly rule out of scientific development. The environment management plan is prepared with a view to facilitate effective environmental management of the project, in general and implementation of the mitigation measures in particular. This plan helps in formulation, implementation and monitoring of the environmental parameters during and after commissioning of the project.

10.1 ENVIRONMENT POLICY

The Company has a well-defined policy to keep the Environment clean and green. The company has decided that all effective steps shall be taken to ensure that flow of information from working level to top level should flow in a smooth and coordinated manner, so that in case any deficiency is noted, it is brought to the notice of top management and preventive and corrective action is initiated in a systematic manner.

M/s R.K. Transport & Constructions Ltd., is committed to:-

- ❖ Follow the National laws and regulations related to Environment Protection and Prevention & Control of Pollution.
- ❖ Design, construct and operate the plant by adopting technology and process that are sustainable and environmentally acceptable in the country.
- ❖ Adoption of State of the Art technology for prevention and control of impacts.
- ❖ Take steps to prevent, minimize and control releases to air, water and land of substances which could adversely affect human health and the environment.
- ❖ Operate facilities and conduct activities taking into consideration the efficient use of natural resources.
- ❖ Provide and maintain healthy and safe working condition for all employees.
- ❖ Ensure the protection of the health and safety of workers.
- ❖ Adopt measures to ensure that all its contractors and business associates also comply with National laws and regulations related to Environment & Control of Pollution.
- ❖ Focus on continual improvement of environmental performance and ensure involvement of employees at all levels by providing training & awareness.

For effective and efficient implementation of Environment Policy, Company shall:-

- ❖ Ensure the allocation of sufficient financial, human and technological resources along with organizational infrastructure for its implementation.
- ❖ Prepare and maintain site specific, list of all the applicable regulations legal records, compliance requirements and compliance status.
- ❖ Develop and implement innovative processes focused on reducing consumption of energy and water and minimizing quantity of waste dispose.

- ❖ Review facilities and programs on a regular basis and establish monitorable targets, quantified as appropriate for continual improvement of our environmental performance.
- ❖ As far as practicable, purchase products and services that will have minimum impact on the environment.
- ❖ Communicate the environmental commitment and performance of the organization to the stakeholders.
- ❖ Establish an organizational structure to oversee the effective implementation of corporate environment policy. Define key responsibilities with the various levels of organization for policy implementation.

10.2 ENVIRONMENT MANAGEMENT CELL

Company is responsible for implementation of all the mitigation and management measures suggested in Environmental Monitoring Program. A separate department "Environmental Management Cell" (EMC) shall be established to look after all environmental related matters of the plant. The EMC will supervise the reported activity from time to time for smooth implementation of Environmental Mitigation and Management measures and will take necessary actions if required. The cell will act to ensure the suitability, adequacy and effectiveness of the Environment Management Program. It will also ensure to meet all the Statutory Requirements. EMC structure is given below:-

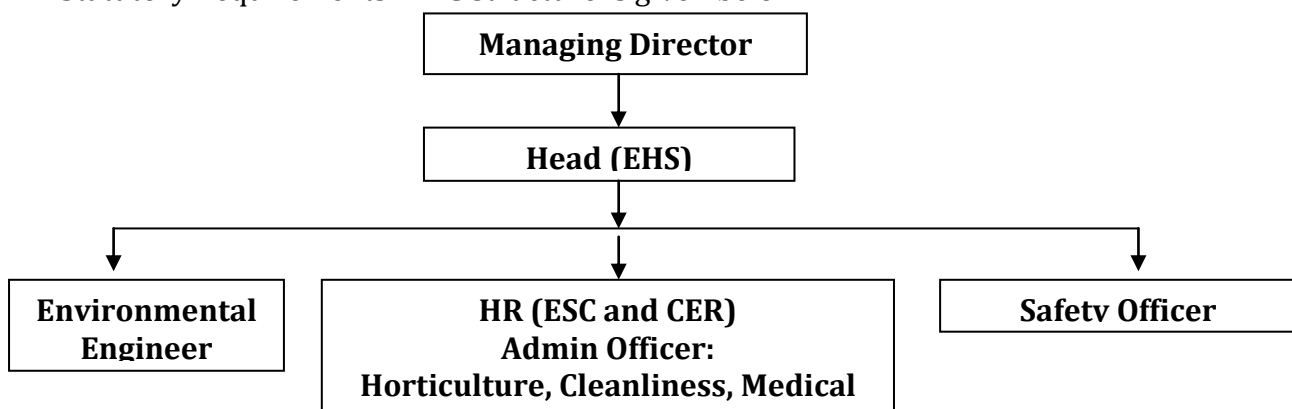


Figure 10.1 Organization Chart of Environmental Monitoring Cell

10.2.1 Interaction with the State Pollution Control Board

EMC shall be in regular touch with MPPCB and shall send them environmental monitoring reports regularly in the prescribed format, as per the prevailing practice. Any new regulations considered by State/Central Pollution Control Board for the Industry shall be taken care of by EMC

10.2.2 Provide Training

EMC would be responsible for the implementation of the EMP, needs to be trained on the effective implementation of the environmental issues. To ensure the success of the implementation set up proposed, there is a high requirement of training and skill up-gradation. For the proposed project, additional training facilities will be developed for

environmental control. For proper implementation of the EMP, the officials responsible for EMP implementation will be trained accordingly.

To achieve the overall objective of pollution control it is essential not only to provide latest pollution control and monitoring systems but also to provide trained manpower resources to operate and maintain the same. Therefore, apart from the EMC, specific training will be provided to personnel handling the operation and maintenance of different pollution control equipment.

In-plant training facilities will be developed for environmental control. The training will be given to employees to cover the following fields:

- Awareness of pollution control and environmental protection to all.
- Operation and maintenance of specialized pollution control equipment.
- Organize field monitoring, maintenance and calibration of pollution monitoring instruments.
- Laboratory testing of pollutants.
- Repair of pollution monitoring instruments.
- Occupational health/safety.
- Disaster management.
- Environmental management.
- Afforestation / plantation and post care of plants.
- Knowledge of norms, regulations and procedures.
- Risk assessment and Disaster Management.

10.2.3 Other Responsibilities of the Cell Will Include

MOEFCC approved lab will be retained to generate the environment quality data in respect of air, water, noise, soil and meteorology and prepare the Environmental Report.

- Timely renewal of Consents & Authorization will be taken care of.
- Submitting environmental monitoring report to WBPCB. The cell will also take mitigative or corrective measures as required or suggested by the Board.
- Conduct and submit annual Environmental Statement to WBPCB.
- Prepare and submit six monthly report on the compliance with the conditions of the environmental clearance
- Keeping the management updated on regular basis about the findings / results of monitoring activities and proposes measures to improve environmental performance.
- Conducting regular safety drills and training programs to educate employees on safety practices. A qualified and experienced safety officer will be responsible for the issues related to occupational safety and health.
- Conducting safety and health audits to ensure that recommended safety and health measures are followed.

10.2.4 SOP for Flow of Information

Hierarchy to implement environment Policy

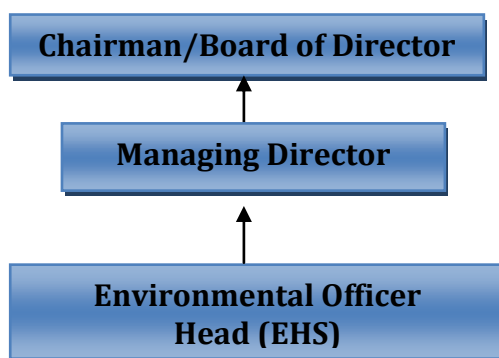
The Environmental Management Group would consist of executives and supporting staff headed by senior official reporting to CEO. During the construction of the project, Project Review Team (PRT) meetings will be held every month wherein officials from the project and corporate centre will participate and discuss the progress and problems related to implementation of schedules of activities for construction, completion and commissioning. It will be ensured that all pollution control measures identified are implemented in a coordinated manner, linking the overall project implementation plans.

Monthly Operation Review Team (ORT) meetings for the project will be held during project operation. In these meetings in addition to routine Operation and Maintenance (O&M) problems issues related to environment will also be discussed. Dedicated groups for operation & maintenance of major systems like Bag Filters, Waste Treatment Plant, Solid Waste Utilization, etc. shall be formed. The issues related to the compliance of environmental norms including problems associated with the mitigation measures identified will be included in the agenda for quarterly review meetings, wherein action plan for remedial measures will be drawn and monitored. Company has developed Environment Policy and well laid Standard Operating Procedures to bring in any deviation / violation of the environment norms as prescribed by regulatory authorities.

The Head-Environment will brief the ORT about the environmental performance of the plant and all compliances/non-compliances are brought to the notice of MD. Action plan is drawn for rectifying the NC, budget is sanctioned (CAPEX & OPEX) and approval is obtained in the meeting itself. Minutes of the Meeting are prepared. In the next weekly review meeting, the action plan is discussed and the NC is closed.

The MD includes Environmental Performance as an Agenda in the monthly Board Meetings and circulates the MOMs. In this manner the Board of Directors are appraised of the Non-Compliances and CAPA taken to address the NC's.

System of Reporting Environmental Non-Compliances/Violations To The Board Of Directors are shown below:-



10.3 EMP DURING CONSTRUCTION PHASE

10.3.1 Land Environment

The site for project is flat and already levelled, hence no levelling is required. Earth excavated during civil foundations will be reused for raising the plinth and backfilling the

columns. Dust generated due to earthwork including excavation and transportation activities, especially during dry weather conditions, will be controlled by water sprinkling.

10.3.2 Air Environment

Dust will be generated at work site during the construction activity like excavation and vehicular movement. Providing suitable surface treatment to ease the traffic flow and regular sprinkling of water will reduce the dust generation. All internal roads will be asphalted and cleaned daily, so there will be less generation of re-suspended road dust.

10.3.3 Water Environment

Temporary drainage work will be maintained, removed and reinstated as required, and all other precautions will be taken for avoidance of damage by flooding and silt. Sedimentation pit of sufficient capacity will be constructed to trap silt-laden water during monsoon. The wastewater will be reused for dust suppression.

10.3.4 Noise Environment

The noise generated during the constructed phase will be due to the movement of vehicles and construction equipment. Construction equipment and transport vehicles will be properly maintained so that noise generation is minimized. Regular maintenance schedule will be adopted for all construction equipment and vehicles

10.3.5 Solid Waste Management

Careful design, planning and good site management would minimize waste of materials such as concrete, mortars and cement grouts. Construction waste will be segregated as much as possible at site itself to increase the feasibility of recycling concrete and masonry as filling material and steel pieces as saleable scrap.

Muck shall be generated from drains and sedimentation pits. The muck shall be collected daily and stored at earmarked place. It shall be finally disposed within the plant premises for plinth raising purpose. Litter disposal and collection points shall be established around the all construction work sites. Construction waste shall be segregated as much as possible at site itself to increase the feasibility of recycling concrete and masonry as filling material and steel pieces as saleable scrap.

10.3.6 Sanitation & Safety Measures of Construction Workers

Construction workers will be taken from surrounding villages. They will be made aware of possible hazards and safety measures that need to be taken during construction activities through organized training. Personal Protective Equipment (PPEs) such as dust masks, goggles, earplugs/ earmuffs, safety gloves, safety belts, safety shoe with toe protection, gumboots will be made available at construction site. Construction workers and vehicle drivers will be provided with drinking water, canteen and toilet/washroom facility. Rest room facility for truck drivers will be provided.

10.3.7 Maintenance of Vehicles

One should be very careful in selecting the site for vehicle maintenance, so as to prevent the ground water contamination due to the spillage of oil. Both diesel and petrol engine vehicles will be maintained properly. Unauthorized dumping of waste oil will be prohibited. Wastes will be disposed off to the SPCB approved vendors.

10.4 EMP CONSIDERED DURING OPERATION PHASE

Table 10.1 Action Plan Proposed For Mitigation Of Impacts

Project Activities	Impacts	Action Plan Proposed	Institution
Plant construction	Dust emissions	<ul style="list-style-type: none"> ➤ Provision of wind barriers. ➤ Fixed water sprinklers. ➤ Mobile water sprinklers. 	RKTCL will ensure that it is implemented before start of construction
Unloading of ROM coal, Storage of raw coal, washed coal & rejects	Dust emissions	<ul style="list-style-type: none"> ➤ Provision of wind barriers ➤ Fixed water sprinklers ➤ Development of greenbelt ➤ Asphalted road ➤ Use of mechanical broomers for daily cleaning of all internal roads 	RKTCL will ensure that it is implemented before commissioning
Coal Transportation from stock pile, Crushing, Screening, and Washing	Dust emissions	<ul style="list-style-type: none"> ➤ Provision of enclosure and fixed water sprinklers in crusher house and screens ➤ Provision of closed coal conveyors ➤ Provision of dust extraction system and bag filters in coal crusher 	RKTCL will ensure that it is implemented before commissioning of plant
Occupational Health of Employees	Exposures of workers to airborne PM.	<ul style="list-style-type: none"> ➤ Provision of dust masks to workers exposed to dust generating areas ➤ Pre-employment and periodic medical examination of all employees for respiratory diseases ➤ Periodic monitoring of ambient air quality at 1 locations within the plant area and in 3 nearby villages. 	RKTCL will create Occupational Health Centre inside the plant.
Washing of ROM coal	Generation of wastewater	<ul style="list-style-type: none"> ➤ Closed circuit coal washing ➤ STP for wastewater treatment ➤ Recycling of treated water for coal washing 	RKTCL will ensure that it is implemented before commissioning of plant

Final EIA Report w.r.t Wet Type Coal Washery Project based on Heavy Media Cyclone (2.5 MTPA) at Village-Gorbi, Tehsil-Chitrangi, District-Singrauli, Madhya Pradesh by M/s R.K. Transport & Constructions Ltd

		<ul style="list-style-type: none"> ➤ No discharge outside plant premises. ➤ Provision for holding wastewater during any process or STP upset. 	
Creation of water reservoir inside plant area	Avoid use of groundwater for the coal washing	<ul style="list-style-type: none"> ➤ Proper feasibility report prepared. ➤ Detailed design will be prepared to collect run off water from surrounding area and channel it to the water reservoir. 	RKTCL will ensure that it is implemented before commissioning of plant
Storm Water run-off	Silt & coal particles wash off from plant area & pollution of surface water bodies outside plant premises.	<ul style="list-style-type: none"> ➤ Provision of storm water drainage network within plant premises and collection of surface run-off in a series of settling tank. ➤ Use of the storm water for coal washing process after proper settling and filtration. 	RKTCL will ensure that it is implemented before start of construction.
Operation of crusher, screens and traffic inside plant	Noise pollution	<ul style="list-style-type: none"> ➤ Selection of plants, machinery and equipment of appropriate design for less noise and vibration. ➤ Storage bunkers, hoppers, rubber decks in chutes and centrifugal chutes will be provided with proper rubber linings. ➤ The vibrating screen equipment will be housed in covered buildings. ➤ Acoustic enclosures, noise proof duty cabins and rooms to be provided, in noisy areas. ➤ Workers exposed to high noise levels will be provided with earplugs / ear muffs. 	
Occupational Health & Safety	Injury and Diseases	<ul style="list-style-type: none"> ➤ Health check-up during employment & at periodic intervals. ➤ Provision of doctors, staff and first aid facility at site ➤ Tie-up with nearby hospital. ➤ Implementation of risk mitigation measures and 	RKTCL will strengthen the OHC and Safety Cell

Final EIA Report w.r.t Wet Type Coal Washery Project based on Heavy Media Cyclone (2.5 MTPA) at Village-Gorbi, Tehsil-Chitrangi, District-Singrauli, Madhya Pradesh by M/s R.K. Transport & Constructions Ltd

		fire fighting systems. ➤ Periodic safety drill. ➤ Provision of PPE's.	
Road Traffic Management	Road accidents, traffic congestion, inconvenience to existing users	➤ Sourcing or recruitment of qualified drivers. ➤ Drivers' training. ➤ Hours of driving and rest periods (proper). ➤ Driver, vehicle and load security arrangements. ➤ Driver communication with control point (GPS). ➤ Language/communication. ➤ Vehicle quality and specification. ➤ Vehicle management and preventative maintenance. ➤ Vehicle routes, route planning and alternative routes. ➤ Strategic vehicle parking locations. ➤ Inspection and audit of the project traffic. ➤ Awareness among road users. ➤ Action for Road Accident victims.	RKTCL will strengthen the Administration Dept to take care of traffic management plan

10.5 SOLID WASTE GENERATION & DISPOSAL

All the rejects will be supplied to power plant to use in AFBC/CFBC boiler.

Hazardous waste generation, storage & disposal

Waste oil: 0.5 KL / Annum

This will be stored in covered HDPE drums in a designated area and will be given to MPPCB approved vendors.

Table 10.2 Municipal Solid Waste Generation & Its Disposal

Type of Municipal Solid Waste		Proposed Method of Disposal
Construction debris (generated during construction phase)	:	Used for landfill within the plant site to the extent possible and recyclables will be given to authorized recyclers.
Canteen waste (22.5 Kg/day)	:	➤ Used in composting/Vermiculture. ➤ Used as manure for greenbelt development within the premises.
Recyclable materials	:	Given to SPCB authorized dealers.

- The lead acid battery or dry battery will be given to authorized recycler having authorization from competent authority;

- E-waste generated from the plant will be given to authorized recycler having authorization from competent authority;

10.6 MEASURES FOR IMPROVEMENT OF ECOLOGY

There is no ecologically sensitive area within 10 km radius of the proposed plant. No wildlife exists in the vicinity of the project. Plantation programme will be undertaken at several areas.

10.6.1 Greenbelt Development

Greenbelt areas have been proved to be an ideal place for diversified flora and fauna and it will improve air quality within premises, act as barrier for noise propagation and also add aesthetic beauty of the industrial area. Company proposes to develop 6.18 Ares (41.20%) greenbelt area of total land. The company will develop green belt along the periphery of the plant site and in common premises available outside the company premises after consultation with horticulture expert. Domestic species suitable for the local climatic conditions, perennial and evergreen trees, Air pollution resistive plants will be considered to be planted in the proposed greenbelt area. The following points will be considered for selection of plants species to be grown:

- Greenbelt absorbs both gaseous as well as particulate pollutants to a great extent. Thus, removes/reduce pollutant from the atmosphere. For absorbance of gases, the duration of the foliage should be longer.
- Characteristics of tree/plants including shapes of crowns considered necessary for effective removal of dust particles.
- Greenbelt/Plant species having good root system will be selected, so that soil erosion rates can be controlled significantly.

The greenbelt will provide benefits to improve beautification of plant. It will also result in the prevention of land degradation due to industrial activities; enhancing the canopy cover as a wind breaker wall and restrict the carry away dust outside the premises as well as act as noise barrier. Proposed green belt area will comprise of rows of varying height of trees of native species with thick foliage, along the periphery of the unit. Approx. 7,500 Nos. of trees and varieties of local shrubs will be planted within next five years. The survival rate is approx. 80% in this area, hence proper care and replantation is required to replace the dead plant. The proposed greenbelt will be developed in three tier manner which is mentioned below:-

Table 10.3 Greenbelt Development in Three Tier

S. No.	Tire	Habit	Height (m)	Rows
1.	1 st Tier (Towards Boundary)	Trees	10-20	4
2.	2 nd Tier (Middle layer)	Small Trees	5-10	6
3.	3 rd Tier (Towards Plant)	Shrubs	1-5	Thick Pattern

Roadside Plantation: Separate list of herbs/shrubs/trees should be given for roadside plantation and for Lawn also. The Green belt should not be inclusive of lawn, etc. For the Calculation of Cost for Green belt Development, following parameters has been considered.

For Capital Cost

- a) Cost of Sapling (Trees)
- b) Shrub/Herbs
- c) Transportation Charges
- d) Planting cost (Including soil workings, pits etc.)
- e) Fencing Cost

For Recurring Cost:

- a) Cost of drip irrigation
- b) Annual weeding and soil working
- c) Req. of water for irrigation
- d) Fertilization Cost
- e) Security and Vigilance

A budget of **Rs. 19.0 Lakhs** as a capital cost and **Rs. 7.50 Lakhs per Annum** as a recurring cost has been allocated for green belt development

Table 10.4 Year wise Greenbelt Development Program

S.No.	Year	No. of Trees	Remarks
1.	I st	1500	The green belt will be developed in 3 tier plantations as per guideline. The heighted tree with 10-15 m will be planted in the first row from the boundary and then gradually smaller tree will be planted to make green belt and to arrest maximum fugitive emission from the unit.
2.	II nd	1500	
3.	III rd	1500	
4.	IV th	1500	
5.	V th	1500	
Total		7,500	

Table 10.5 List of Major Trees and shrubs to be planted

S.No.	Name of Species	Common Name	Ecological Performance	Place/s to Plant tree/s as per MoEFCC/CPCB
1.	<i>Adina cordifolia</i>	Kadam	CN, DC, OG	Periphery GB, Public Place
2.	<i>Aegle marmelos</i>	Bel	CN, DC	Periphery GB, Public Place
3.	<i>Annona squamosa</i>	Custard apple	CN, DC, OG	Orchard P, Agriculture hedges
4.	<i>Azadirachta indica</i>	Neem	CN, DC, OG	Periphery GB, Agriculture hedges
5.	<i>Bombax ceiba</i>	Silk Cotton tree	CN, DC, OG	Periphery GB, RWH tank
6.	<i>Ficus bengalensis</i>	Bargad	CN, DC	Periphery GB, Public Place
7.	<i>Ficus reeimos</i>	Fig	CN, DC, OG	Periphery GB, Agriculture hedges
8.	<i>Ficus religiosa</i>	Peepal	CN, DC, OG	Periphery GB, Public Place
9.	<i>Mangifera indica</i>	Aam	CN, DC, OG	Orchard P, Agriculture hedges

Final EIA Report w.r.t Wet Type Coal Washery Project based on Heavy Media Cyclone (2.5 MTPA) at Village-Gorbi, Tehsil-Chitrangi, District-Singrauli, Madhya Pradesh by M/s R.K. Transport & Constructions Ltd

10.	<i>Psidium guajav</i>	Guava	CN, DC, OG	Orchard P, Agriculture hedges
11.	<i>Saraca asoca</i>	Ashoka Tree	CN, DC	Road Side P, Admin
12.	<i>Tamarindus indica</i>	Imli	CN, DC, OG	Orchard P, Public Place
13.	<i>Tectona grandis</i>	Teak	CN, DC	Periphery GB, Water Body
14.	<i>Terminalia arjuna</i>	Arjun	CN, DC, OG	Road Side P, Public Place
15.	<i>Terminalia catappa</i>	Badam	CN, DC, OG	Orchard P, Public Place

Ecological Performance: CN –Control Noise level, OG – Absorb Gas Emission, DC - Dust Controller Places- 1. Admin area: Periphery, Road side and Orchard Plantation. 2. Road side Plantation, Agriculture hedges, Water body, public place like school, Panchayat, forest land etc.

10.7 RAIN WATER HARVESTING PLAN

Rain Water can be harvested either storing in tanks for ready use or charged into soil for withdrawal later i.e. ground water recharging. RKTCL Group has decided to installed Rain Water Harvesting system to prevent runoff and to help reduce fresh water consumption. Storm water network will be designed throughout the site for collection of roof top as well as internal runoff during the monsoon season. Pipeline and storm water drainage will be connected/diverted to water harvesting tank without any contamination or after removing impurities i.e. leaves, floating materials, birds drop out etc. During rainy season, the rain water will be collected from roofs and open area in collection tank having 7,500 KL capacity and the collected water will be used for industrial activities augmented with surface water.

10.8 ENERGY & NATURAL RESOURCE CONSERVATION MEASURES

- Rooftop Solar Panel, Solar Powered Street Lights etc. will be installed wherever possible.
- In the proposed project regenerative type burners will be installed in reheating furnaces.
- It is proposed to provide LED lights in the offices and common areas.
- It is proposed to provide Energy Efficient Motors as per NEMA Premium® Efficiency Electric Motor specification or equivalent classifications and will use Variable Frequency Drives VFD for control of electric motors.

10.9 BUDGET FOR EMP

The capital cost for environmental management of the proposed project is estimated to be Rs.324 lakhs. Rs.99 lakhs per year will be required as annual recurring expenses to meet the recurring expenditure for implementing the measures. The break-up of the investment is shown in Table.

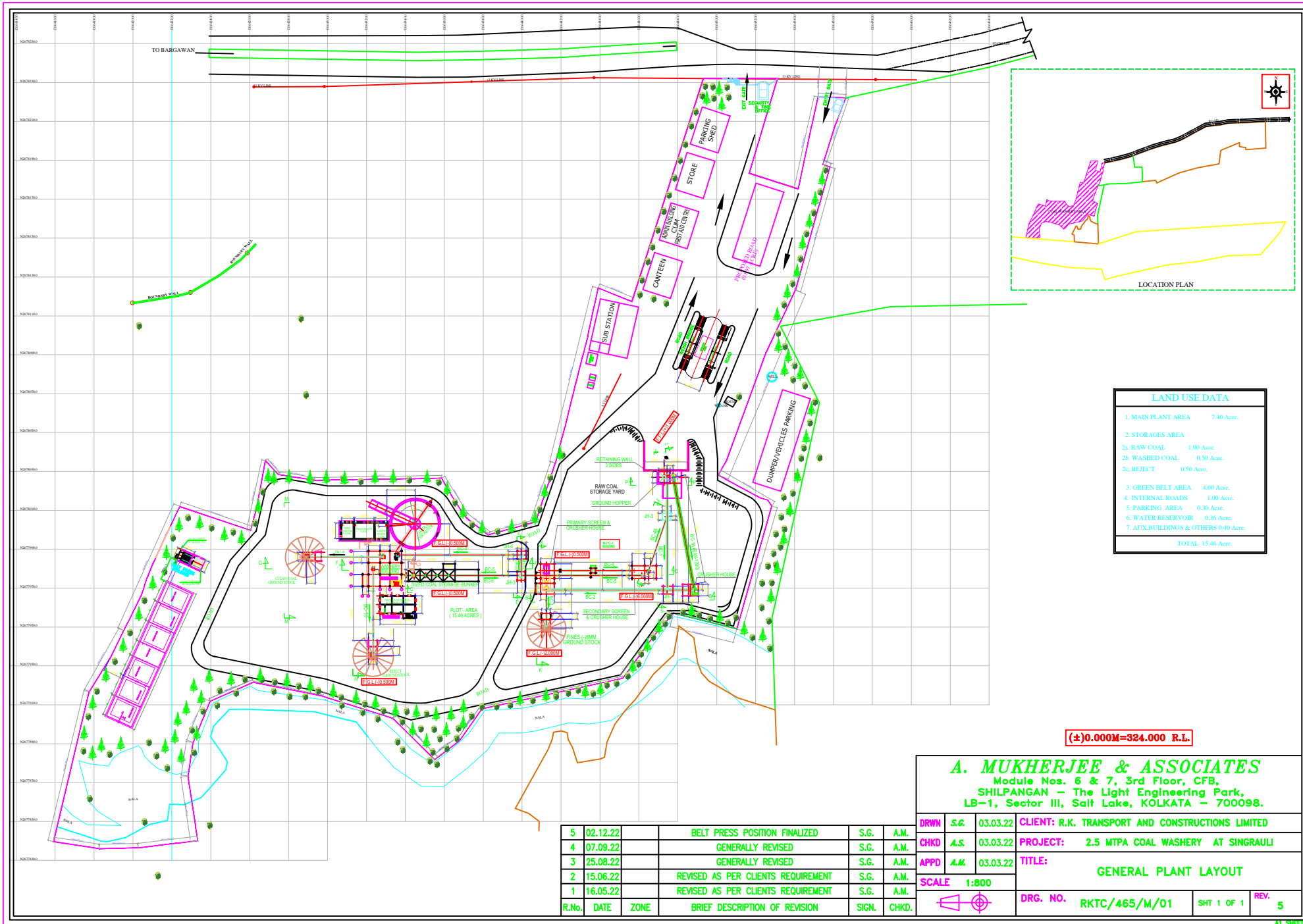
Table 10.6 Investment on Environmental Protection Measures (Rs. in Lakhs)

S. No	Activity	Capital Cost (Lakh)	Recurring expenses proposed/ annum (Lakh)
1	Air Pollution Control Measures	115	26.5
	➤ DES and Bag House in crusher house	50	5
	➤ Fixed Water sprinklers	15	2.5

Final EIA Report w.r.t Wet Type Coal Washery Project based on Heavy Media Cyclone (2.5 MTPA) at Village-Gorbi, Tehsil-Chitrangi, District-Singrauli, Madhya Pradesh by M/s R.K. Transport & Constructions Ltd

	➤ Mobile water sprinklers	10	3.5
	➤ Enclosures to belt conveyors	10	2.5
	➤ Asphalted internal roads	15	3
	➤ Rain gun	15	10
2	Water pollution control measures	90	32.5
	➤ Closed water Circuit , Thickner	50	20
	➤ Storm water drains	15	2.5
	➤ Sewage Treatment Plant	25	10
	➤ Pipeline Work for Surface Water	50	5
3	Green belt development	19	7.50
4	Occupational Health & Safety	20	10
	➤ Provision of PPE	5	2
	➤ Medical examination	15	3
5	Environment Management Cell	10	5
6	Risk Mitigation Measures	20	2.5
7	EMP during construction stage	--	10
Total		324	99

-----X-----





भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	R. K. Transport And Constructions Limited		
Project Address:	Village Gorbi, Block Chitrangi		
Village:	Gorbi	Block:	Chitrangi
District:	Singrauli	State:	Madhya Pradesh
Pin Code:			
Communication Address:	R.k. Transport And Construction Limited, Hig-7, Behind Madan Compleax, Shankar Nagar, Dharsiwa, Raipur, Chhattisgarh - 492001		
Address of CGWB Regional Office :	Central Ground Water Board North Central Region, Block-1, 4th Floor, Paryawas Bhawan, Area Hills, Jail Road, Bhopal, Madhya Pradesh - 462011		

1. NOC No.:		CGWA/NOC/IND/ORIG/2023/18068				2. Date of Issuance		31/03/2023						
3. Application No.:		21-4/1674/MP/IND/2022				4. Category: (GWRE 2020)		Safe						
5. Project Status:		New Project				6. NOC Type:		New						
7. Valid from:		19/02/2023				8. Valid up to:		18/02/2026						
9. Ground Water Abstraction Permitted:														
Fresh Water			Saline Water			Dewatering			Total					
m³/day		m³/year	m³/day		m³/year	m³/day		m³/year	m³/day		m³/year			
			490.00		161700.00									
10. Details of ground water abstraction /Dewatering structures														
Total Existing No.:0							Total Proposed No.:3							
			DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*			0	0	0	0	0	0	0	0	3	0	0	0
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps														
11. Ground Water Abstraction/Restoration Charges paid (Rs.):							323400.00							
12. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.						No. of Piezometers		Monitoring Mechanism						
								Manual	DWLR**	DWLR With Telemetry				
**DWLR - Digital Water Level Recorder						1		0	1	0				

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m³/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCE list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m³/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

**पानी बचाये – जीवन बचाये
SAVE WATER - SAVE LIFE**

CENTRAL GROUND WATER AUTHORITY

Department of Water Resources, River Development and Ganga Rejuvenation
Ministry of Jal Shakti, Govt. of India

Receipt

(As per the guideline Gazette Notification S.O. 3281(E) regarding the New Guidelines dated 24.09.2020 of CGWA, MoJS, Govt. of India)
<https://cgwa-noc.gov.in>

Application No.:	21-4/1674/MP/IND/2022		
Name of Firm:	R. K. TRANSPORT AND CONSTRUCTIONS LIMITED		
AppType Category:	Coal Washery		
Application Type:	Industrial		
PAN/GSTIN No. of Firm/Individual:	/		

S N	Description	Amount (Rs.)
1.	Application Processing Fee	10000.00
2.	Ground Water Abstraction /Restoration charges	323400.00
3.	Environmental Compensation Charges (ECRGW) (Date From to) Days-	
4.	Penalty for non-Compliance of NOC conditions Condition to be mentioned	
Rs. Rupees Three Lakh Thirty Three Thousand Four Hundred Only		333400.00

This is an system generated invoice, hence, does not require ink signed.

Term and conditions:

- All disputes are subject to Delhi Jurisdiction.
- Any complaint in regard to the rates will not be entertained

Member-Secretary
CGWA, New Delhi

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

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पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

कार्यालय अनुसंधान एवं विस्तार वृत्त, जयन्ती कुंज, रीवा

बुक क्रमांक

135



पृष्ठ क्रमांक

11

दिनांक 14.7.2022

1. पौधा बिक्री का स्थान

2. क्रेता का नाम एवं पता

अधिकृत विक्रेता/प्रभारी का नाम एवं पद

क्र.	प्रजाति का नाम	मात्रा	दर	रकम	टिप्पणियाँ
1-	नीम लोबो पाँदा	40	121	480=00	
योग-		40		480	

रकम 480 रु. अरुण कुमार

विक्रेता के हस्ताक्षर

नोट-परिवहन शुल्क एवं अन्य व्यय अलग से लिया जायेगा।

विक्रेता के हस्ताक्षर
शेषणी-मोरवा

अलग से रिकार्ड सिंगरोली वन-रीवा

**IFFCO - TOKIO GENERAL INSURANCE CO. LTD**

Regd. Office: IFFCO SADAN, C1 Distt Centre, Saket, New Delhi- 110017

Workmen's Compensation Policy Schedule**Cum Tax Invoice****ORIGINAL FOR RECIPIENT**

GST Applicable

UIN : \$\$UIN\$\$

Servicing Office:

IFFCO TOKIO GEN INS CO LTD

Galaxy Heights, Opposite.

ICICI Bank Vyapaar Vihar,

- 495001, CHHATTISGA

State Code: 22, GSTIN: 22AAACI7573H1ZM

General Insurance Services : 997133

Insured's name:	R K TRANSPORT AND CONSTRUCTIONS LIMITED				Unique Invoice No..... : 43286626 Policy No..... : 43286626 Date of Issuance..... : 22/02/2023 Policy effective from 0001 hrs 21/02/2023	
Address:	GROUND FLOOR SHOP NO 11 TRANSPORT NAGAR SINGRAULI (M CORP.) MADHYA PRADESH Pincode: 486889					
State Code/ Place	23	Country Name:	India	GSTIN:		23AACCR5213P1ZB
of Supply:						
Phone Number:		C/N No:		Agent No. ZVS00012 ZVS		
					To MidNight 20/02/2024	
Aadhaar No.:				Agent Name: SAHU, PUSHPENDRA KUMAR		

	Taxable Value	CGST	SGST	IGST	CESS
Rate		0.00	0.00	18.00	0.00
Amount	22128.15	0.00	0.00	3983.07	0.00
Total Tax	₹3983.07		Total Value		₹26111.22

Whether GST is Payable on Reverse Charge Basis - No

We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of the provisions of the said sub-rule.

Trade or Business	R K TRANSPORT AND CONSTRUCTIONS LIMITED
Place of Employment(s)	COAL WASHERY GORBI SINGRAULI Madhya Pradesh 486892

Sr. No.	Category of Employee	Estimated Total Wages, Salaries and other e	Rate (%)	Premium without Service Tax (Rs.)
1	5 SKILLED UPTO 15000	870000.00	1.3411	11667.57
2	5 UNSKILLED UPTO 15000	780000.00	1.3411	10460.58
		Overall Total Wages	1650000.00	

Additional Clauses / Endorsements / Other details ,If any
NATURE OF WORK :- FABRICATION WORK

Signature Not Verified

Digitally signed by SUBRATA MONDAL
Date: 2023.02.22 12:21:33 IST
Reason: Valid Policy Copy
Location: IFFCO Tokio General Insurance Company Ltd, India

Workmen's Compensation (UIN : IRDAN106P0006V01200001)

Attaching to and forming part of Policy Number 43286626

'Show Signature Properties'-->Click on 'Show signer's Certificate'-->Go to Tab 'Trust'-->Click on 'Add to Trusted Certificates'-->Click on 'OK'-->Click on 'Close'

CLASSIFICATION NO :- 675

MEDICAL EXTENSION BENEFIT Up to Rs. 5000/-

30%

Agent Name & Telephone No:

SAHU, PUSHPENDRA KUMAR

The Policy is subject to following endorsement(s) - Endorsement No / Endorsement Wording

The Policy is subject to the following Warranties / Conditions/ Definitions

1. Coverage of Employees should be as per The Indian Employee's Compensation Act , 1923.
2. Wage & Attendance register must be maintained.

Exclusion: Losses or damages caused directly or indirectly due to any infectious or contagious disease, pandemic /epidemics as declared by WHO and / or Government of India will be an exclusion under this policy.

The Coverage is as per Policy Wordings / Endorsements / Clauses attached with the Policy Schedule. Please go through Workmen's Compensation Policy and in case of discrepancy, Please inform us.

Coorporate Identity Number(CIN): U74899DL2000PLC107621

Toll Free : 1-800-103-5499 ; Other : (0124) 428-5499 ; SMS "claim" to 56161

Policy Issuing Office: Delhi

Consolidated Stamp Duty deposited as per the order of Government of National Capital Territory of Delhi

Workmen's Compensation Insurance - Policy Wordings

Employee's Compensation Act 1923, Indian Fatal Accidents Act 1855, Common Law

WHEREAS the Insured carrying on the Business described in the Schedule and no other for the purpose of this insurance by a proposal and declaration which shall be the basis of this contract and is deemed to be incorporated herein has applied to the IFFCO TOKIO GENERAL INSURANCE CO.LTD. (here in after called The Company) for the insurance hereinafter contained and has paid or agreed to pay the Premium as consideration for such insurance.

NOW THIS POLICY WITNESSETH that if at any time during the period of Insurance any employee in the Insured's immediate service shall sustain personal injury by accident or disease arising out of and in the course of his employment by the Insured in the Business and if the Insured shall be liable to pay compensation for such injury either under: The Law(s) set out in the Schedule or at Common Law then subject to the terms exceptions and conditions contained herein or endorsed hereon the Company will indemnify the Insured against all sums for which the Insured shall be so liable and will in addition be responsible for all costs and expenses incurred with its consent in defending any claim for such compensation.

PROVIDED ALWAYS that in the event of any change in the Law(s) or the substitution of other legislation thereof this Policy shall remain in force but the liability of the company shall be limited to such sum as the Company would have been liable to pay if the Law(s) had remained unaltered.

Signature Not Verified

Digitally signed by SUBRATA MONDAL

Date: 2023.02.22 12:21:33 IST

Reason: Valid Policy Copy

Location: IFFCO Tokio General Insurance Company Ltd, India

Workmen's Compensation (UIN : IRDAN106P0006V01200001)

Attaching to and forming part of Policy Number 43286626

'Show Signature Properties'-->Click on 'Show signer's Certificate'-->Go to Tab 'Trust'-->Click on 'Add to

Trusted Certificates'-->Click on 'OK'-->Click on 'Close'

EXCEPTION

The Company shall not be liable under the Policy in respect of :

- a. Any injury by accident or disease directly attributable to war invasion act of foreign enemy hostilities (whether war be declared or not) civil war mutiny insurrection rebellion revolution or military or usurped power.
- b. The Insured's liability to employees of contractors to the Insured.
- c. Any liability of the insured which attaches by virtue of an agreement but which would not have attached in the absence of such agreement
- d. Any sum which the Insured would have been entitled to recover from any party but for an agreement between the Insured and such party.

CONDITIONS

1. This Policy and the Schedule shall be read together as one contract and any word or expression to which a specific meaning has been attached in any part of this Policy or of the Schedule shall bear such specific meaning wherever it may appear.
2. Every notice or communication to be given or made under this Policy shall be delivered in writing to the Company.
3. The Insured shall take reasonable precautions to prevent accidents and disease and shall comply with all statutory obligations.
4. In the event of any occurrence which may give rise to a claim under this Policy the Insured shall as soon as possible give notice thereof to the Company with full particulars. Every letter claim writ summons and process shall be notified or forwarded to the Company immediately on receipt. Notice shall also be given to the company immediately the Insured shall have knowledge of any impending prosecution inquest or fatal enquiry in connection with any such occurrence as aforesaid.
5. No admission offer promise or payment shall be made by or on behalf of the Insured without the consent of the Company which shall be entitled if it so desires to take over and conduct in his name the defence or settlement of any claim or to prosecute in his name for its own benefit any claim for indemnity or damages or otherwise and shall have full discretion in the conduct of any proceedings and in the settlement of any claim and the Insured shall give all such information and assistance as the Company may require.
6. The first premium and all renewal premiums that may be accepted are to be regulated by the amount of wages and salaries and other earnings paid by the Insured to employees during each Period of Insurance. The name of every employee together with the amount of wages salary and other earnings shall be properly recorded and the Insured shall at all times allow the Company to inspect such records and shall supply the Company with a correct account of all such wages salaries and other earnings paid during any period of Insurance with one month from expiry date of such Period of Insurance. If the amount so paid shall differ from the amount on which premium has been paid the difference in premium shall be met by a further proportionate payment to the Company or by a refund by the Company as the case may be.
7. The Company may cancel this Policy by sending seven days notice by registered letter to the Insured at his last known address and in such event the premium shall be adjusted in accordance with Condition 6.
8. If any difference shall arise as to the quantum to be paid under this Policy, (liability being otherwise admitted) such difference shall independently of all other questions be referred to the decision of an arbitrator, to be appointed in writing by the parties in difference or if they cannot agree upon a single arbitrator to the decision of two disinterested persons as arbitrators of whom one shall be appointed in writing by each of the parties within two calendar months after having been required so to do in writing by the other party in accordance with the provisions of the Arbitration Act 1940, as amended from time to time and for the time being in force. In case either party shall refuse or fail to appoint arbitrator within two calendar months after receipt of notice in writing requiring an appointment, the other party shall be at liberty to appoint sole arbitrator, and in case of disagreement between the arbitrators, the difference shall be referred to the decision of an umpire who shall have been appointed by them in writing before entering on the reference and who shall sit with the arbitrators and preside at their meetings.

It is clearly agreed and understood that no difference or dispute shall be referable to arbitration as hereinbefore provided, if the Company has disputed or not accepted liability under or in respect of this Policy.

It is hereby expressly stipulated and declared that it shall be condition to any right of action or suit upon this Policy that the award by such arbitrator, arbitrators or umpire of the amount of the loss or damage shall be first obtained.

Signature Not Verified

Digitally signed by SUBRATA MONDAL

Date: 2023.02.22 12:21:33 IST

Reason: Valid Policy Copy

Location: IFFCO Tokio General Insurance Company Ltd, India

Workmen's Compensation (UIN : IRDAN106P0006V01200001)

Attaching to and forming part of Policy Number 43286626

'Show Signature Properties'-->Click on 'Show signer's Certificate'-->Go to Tab 'Trust'-->Click on 'Add to

Trusted Certificates'-->Click on 'OK'-->Click on 'Close'

It is also hereby further expressly agreed and declared that if the Company shall disclaim liability to the Insured for any claim hereunder and such claim shall not within 12 calendar months from the date of such disclaimer have been made the subject matter of a suit in a court of law, then the claim shall for all purposes be deemed to have been abandoned and shall not thereafter be recoverable hereunder.

9. The due observance and fulfilment of the terms, conditions and endorsements of this Policy so far as they relate to anything to be done or not to be done by the Insured and the truth of the statements and answers in the Proposal shall be conditions precedent to any liability of the Company to make any payment under this Policy.

10. It is here by understood and agreed that the cover provided under this Policy shall not extend to indemnify the Insured/Insureds in respect of any interest and/or penalty which may be imposed on him/them on account of his/their failure to comply with the requirements laid down under the Workmen's Compensation Act, 1923 and subsequent amendments of the said Act.

11. The terms earnings, wages and salaries shall mean the employees total remuneration paid or fallen due for payment including overtime, value of board and/or lodging, housing accommodation bonuses and all other perquisites privileges or benefits in kind or money, received by the employees from the employer in connection with their employment which are capable of being estimated in money. These terms do not however include any travelling allowance or the value of any travelling concession or a contribution paid by the employer of a workman towards any pension or provident fund or a sum paid to a workman to cover any special expenses entitled on him by the nature of his employment. No deductions shall be made in respect of any contributions paid by employees in connection with pension or provident funds or of income tax deducted at source.

Terrorism Damage Exclusion Warranty

Terrorism / Terrorist Incident of whatsoever nature directly or indirectly caused by, resulting from or in connection with any act of terrorism regardless of any other cause or event contributing concurrently or in any other sequence to the loss is not covered.

Terrorism / Terrorist Incident : Means any actual or threatened use of force or violence directed at or causing damage, injury, harm or disruption, or the commission of an act dangerous to human life or property, against any individual, property or government, with the stated or unstated objective of pursuing economic, ethnic, nationalistic, political, racial or religious interests, whether such interests are declared or not. Robberies or other criminal acts, primarily committed for personal gain and acts arising primarily from prior personal relationships between perpetrator(s) and victim(s) shall not be considered terrorist activity. Terrorism shall also include any act, which is verified or recognized by the relevant Government as an act of terrorism.

Signature Not Verified

Digitally signed by SUBRATA MONDAL
Date: 2023.02.22 12:21:33 IST
Reason: Valid Policy Copy
Location: IFFCO Tokio General Insurance Company Ltd, India

Workmen's Compensation (UIN : IRDAN106P0006V01200001)
Attaching to and forming part of Policy Number 43286626

'Show Signature Properties'-->Click on 'Show signer's Certificate'-->Go to Tab 'Trust'-->Click on 'Add to
Trusted Certificates'-->Click on 'OK'-->Click on 'Close'



Test Report

Sample Number : SKS/A/01
Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050001/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 12/05/2023
Period of Analysis : 05/05/2023-12/05/2023
Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information

Sampling Location : Govt. School Village Muhar
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/03/FPS/03
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 01/05/2023 To 02/05/2023
Time of Monitoring : 10:00 Hrs to 10:00 Hrs.
Ambient Temperature (°C) : Min. 27°C, Max. 41°C
Surrounding Activity : Humen, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM-10)	IS : 5182 (P-23)	70.26	µg/m3	100
2	Particulate Matter (as PM-2.5)	IS: 5182 (P-24)	35.43	µg/m3	60
3	Nitrogen Dioxides (as NO2)	IS: 5182 (P-6)	21.43	µg/m3	80
4	Sulphar Dioxide (as SO2)	IS: 5182 (P-2)	13.92	µg/m3	80
5	Nickel (as Ni)	USEPA Compendium IO-3.2	*BLQ(**LOQ - 5.0)	ng/m3	20
6	Lead (as Pb)	IS: 5182 (P- 22)	*BLQ(**LOQ -0.02)	µg/m3	1.0
7	Ozone (as O3)	IS: 5182 (P-9)	5.29	µg/m3	180
8	Arsenic (as AS)	SKS/STP/AA/11, Issue No. 01, Issue Date 01.07.2022	*BLQ(**LOQ - 1.0)	ng/m3	6.0
9	Benzene (as C6H6)	IS: 5182 (P-11): 2006	*BLQ(**LOQ - 1.0)	µg/m3	5.0
10	Benzo(a) Pyrene	IS: 5182 (P-12): 2004	*BLQ(**LOQ - 0.5)	µg/m3	1.0
11	Ammonia (as NH3)	IS: 5182 (P-25): 2018	10.21	µg/m3	400.0

SKS / TP / PN 1784



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TC-6652

Test Report

Sample Number : SKS/A/01

Report No. : SKS/A/2305050001/A

*BLO - Below Limit of Quantification, **LOQ - Limit Of Quantification.

End of Report



SKS / TP / PN1785

Page No. 2/2

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**Test Report**

Sample Number : SKS/A/01
Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050001/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 12/05/2023
Period of Analysis : 05/05/2023-12/05/2023
Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information

Sampling Location : Govt. School Village Muhar
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/03/FPS/03
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 01/05/2023 To 02/05/2023
Time of Monitoring : 10:00 Hrs to 10:00 Hrs.
Ambient Temperature (°C) : Min. 27°C, Max. 41°C
Surrounding Activity : Humen, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	SKS/STP/AA/17, Issue No. 01, Issue Date 01.07.2022	0.85	mg/m ³	4.0

*BLO - Below Limit of Quantification, **LOQ - Limit Of Quantification.

End of Report



SKS / TP / PN 1786



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TC-6652

Test Report

Sample Number : SKS/A/02
Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050002/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 12/05/2023
Period of Analysis : 05/05/2023-12/05/2023
Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information

Sampling Location : Near Washery Buliding (Project Site)
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/04/FPS/04
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 01/05/2023 To 02/05/2023
Time of Monitoring : 10:30 Hrs to 10:30 Hrs.
Ambient Temperature (°C) : Min. 27°C, Max. 41°C
Surrounding Activity : Humen, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM-10)	IS : 5182 (P-23)	76.72	µg/m ³	100
2	Particulate Matter (as PM-2.5)	IS: 5182 (P-24)	35.26	µg/m ³	60
3	Nitrogen Dioxides (as NO ₂)	IS: 5182 (P-6)	20.57	µg/m ³	80
4	Sulphar Dioxide (as SO ₂)	IS: 5182 (P-2)	13.36	µg/m ³	80
5	Nickel (as Ni)	USEPA Compendium IO-3.2	*BLQ(**LOQ - 5.0)	ng/m ³	20
6	Lead (as Pb)	IS: 5182 (P- 22)	*BLQ(**LOQ -0.02)	µg/m ³	1.0
7	Arsenic (as AS)	SKS/STP/AA/11, Issue No. 01, Issue Date 01.07.2022	*BLQ(**LOQ - 1.0)	ng/m ³	6.0
8	Ozone (as O ₃)	IS: 5182 (P-9)	7.21	µg/m ³	180
9	Benzene (as C ₆ H ₆)	IS: 5182 (P-11): 2006	*BLQ(**LOQ -1.0)	µg/m ³	5.0
10	Benzo(a) Pyrene	IS: 5182 (P-12): 2004	*BLQ(**LOQ 0.5)	µg/m ³	1.0
11	Ammonia (as NH ₃)	IS: 5182 (P-25): 2018	12.10	µg/m ³	400.0



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TC-6652

Test Report

Sample Number : SKS/A/02

Report No. : SKS/A/2305050002/A

*BLQ -Below Limit of Quantification,**LOQ -Limit Of Quantification.

End of Report



SKS / T P / P N 1 7 8 8

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**Test Report**

Sample Number : SKS/A/02

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050002/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 12/05/2023

Period of Analysis : 05/05/2023-12/05/2023

Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information

Sampling Location : Near Washery Buliding (Project Site)
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/04/FPS/04
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 01/05/2023 To 02/05/2023
Time of Monitoring : 10:30 Hrs to 10:30 Hrs.
Ambient Temperature (°C) : Min. 27°C, Max. 41°C
Surrounding Activity : Humen, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	SKS/STP/AA/17, Issue No. 01, Issue Date 01.07.2022	0.82	mg/m3	4.0

*BLQ -Below Limit of Quantification,**LOQ -Limit Of Quantification.

End of Report



SKS / TP / PN1789

**Test Report**

Sample Number : SKS/A/03
Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050003/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 12/05/2023
Period of Analysis : 05/05/2023-12/05/2023
Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information

Sampling Location : Village - Karwa
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/05/FPS/05
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 01/05/2023 To 02/05/2023
Time of Monitoring : 11:00 Hrs to 11:30 Hrs.
Ambient Temperature (°C) : Min. 27°C, Max. 41°C
Surrounding Activity : Humen, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM-10)	IS : 5182 (P-23)	69.89	µg/m ³	100
2	Particulate Matter (as PM-2.5)	IS: 5182 (P-24)	32.24	µg/m ³	60
3	Nitrogen Dioxides (as NO ₂)	IS: 5182 (P-6)	20.80	µg/m ³	80
4	Sulphar Dioxide (as SO ₂)	IS: 5182 (P-2)	13.67	µg/m ³	80
5	Nickel (as Ni)	USEPA Compendium IO-3.2	*BLQ(**LOQ - 5.0)	ng/m ³	20
6	Lead (as Pb)	IS: 5182 (P- 22)	*BLQ(**LOQ -0.02)	µg/m ³	1.0
7	Arsenic (as AS)	SKS/STP/AA/11, Issue No. 01, Issue Date 01.07.2022	*BLQ(**LOQ - 1.0)	ng/m ³	6.0
8	Ozone (as O ₃)	IS: 5182 (P-9)	6.21	µg/m ³	180
9	Benzene (as C ₆ H ₆)	IS: 5182 (P-11): 2006	*BLQ(**LOQ -1.0)	µg/m ³	5.0
10	Benzo(a) Pyrene	IS: 5182 (P-12): 2004	*BLQ(**LOQ -0.5)	µg/m ³	1.0
11	Ammonia (as NH ₃)	IS: 5182 (P-25): 2018	13.10	µg/m ³	400.0





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TC-6652

Test Report

Sample Number : SKS/A/03

Report No. : SKS/A/2305050003/A

*BLQ -Below Limit Of Quantification,**LOQ -limit Of Quantification.

End of Report



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**Test Report**

Sample Number : SKS/A/03
Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050003/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 12/05/2023
Period of Analysis : 05/05/2023-12/05/2023
Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information
Sampling Location : Village - Karwa
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/05/FPS/05
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 01/05/2023 To 02/05/2023
Time of Monitoring : 11:00 Hrs to 11:30 Hrs.
Ambient Temperature (°C) : Min. 27°C, Max. 41°C
Surrounding Activity : Humen, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	SKS/STP/AA/17, Issue No. 01, Issue Date 01.07.2022	0.72	mg/m3	4.0

*BLQ -Below Limit Of Quantification,**LOQ -limit Of Quantification.

End of Report





Test Report

Sample Number : SKS/A/04

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050004/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 12/05/2023

Period of Analysis : 05/05/2023-12/05/2023

Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information

Sampling Location : Primary School Near Chamarkoh
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/03/FPS/03
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 02/05/2023 To 03/05/2023
Time of Monitoring : 10:30 Hrs to 10:30 Hrs.
Ambient Temperature (°C) : Min. 26°C, Max. 41°C
Surrounding Activity : Humen, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM-10)	IS : 5182 (P-23)	71.20	µg/m ³	100
2	Particulate Matter (as PM-2.5)	IS: 5182 (P-24)	32.84	µg/m ³	60
3	Nitrogen Dioxides (as NO ₂)	IS: 5182 (P-6)	20.67	µg/m ³	80
4	Sulphar Dioxide (as SO ₂)	IS: 5182 (P-2)	13.59	µg/m ³	80
5	Nickel (as Ni)	USEPA Compendium IO-3.2	*BLQ(**LOQ - 5.0)	ng/m ³	20
6	Lead (as Pb)	IS: 5182 (P- 22)	*BLQ(**LOQ -0.02)	µg/m ³	1.0
7	Arsenic (as AS)	SKS/STP/AA/11, Issue No. 01, Issue Date 01.07.2022	*BLQ(**LOQ - 1.0)	ng/m ³	6.0
8	Ozone (as O ₃)	IS: 5182 (P-9)	7.50	µg/m ³	180
9	Benzene (as C ₆ H ₆)	IS: 5182 (P-11): 2006	*BLQ(**LOQ -1.0)	µg/m ³	5.0
10	Benzo(a) Pyrene	IS: 5182 (P-12): 2004	*BLQ(**LOQ -0.5)	µg/m ³	1.0
11	Ammonia (as NH ₃)	IS: 5182 (P-25): 2018	11.26	µg/m ³	400.0





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TC-6652

Test Report

Sample Number : SKS/A/04

Report No. : SKS/A/2305050004/A

*BLQ -Below Limit Of Quantification,**LOQ - Limit Of Quantification.

End of Report



SKS / TP / PN1794

Page No. 2/2

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**Test Report**

Sample Number : SKS/A/04

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050004/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 12/05/2023

Period of Analysis : 05/05/2023-12/05/2023

Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information

Sampling Location : Primary School Near Chamarkoh
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/03/FPS/03
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 02/05/2023 To 03/05/2023
Time of Monitoring : 10:30 Hrs to 10:30 Hrs.
Ambient Temperature (°C) : Min. 26°C, Max. 41°C
Surrounding Activity : Humen, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	SKS/STP/AA/17, Issue No. 01, Issue Date 01.07.2022	0.69	mg/m3	4.0

*BLQ -Below Limit Of Quantification,**LOQ - Limit Of Quantification.

End of Report



SKS / TP / PN1795



Test Report

Sample Number : SKS/A/05
Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050005/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 12/05/2023
Period of Analysis : 05/05/2023-12/05/2023
Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information

Sampling Location : Village raghav nagar Near Singrauli Railway Station
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/04/FPS/04
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 02/05/2023 To 03/05/2023
Time of Monitoring : 11:00 Hrs to 11:00 Hrs.
Ambient Temperature (°C) : Min. 26°C, Max. 41°C
Surrounding Activity : Humen, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM-10)	IS : 5182 (P-23)	77.33	µg/m ³	100
2	Particulate Matter (as PM-2.5)	IS: 5182 (P-24)	40.51	µg/m ³	60
3	Nitrogen Dioxides (as NO ₂)	IS: 5182 (P-6)	23.19	µg/m ³	80
4	Sulphar Dioxide (as SO ₂)	IS: 5182 (P-2)	15.23	µg/m ³	80
5	Nickel (as Ni)	USEPA Compendium IO-3.2	*BLQ(**LOQ - 5.0)	ng/m ³	20
6	Lead (as Pb)	IS: 5182 (P- 22)	*BLQ(**LOQ -0.02)	µg/m ³	1.0
7	Arsenic (as AS)	SKS/STP/AA/11, Issue No. 01, Issue Date 01.07.2022	*BLQ(**LOQ - 1.0)	ng/m ³	6.0
8	Ozone (as O ₃)	IS: 5182 (P-9)	7.65	µg/m ³	180
9	Benzene (as C ₆ H ₆)	IS: 5182 (P-11): 2006	*BLQ(**LOQ -1.0)	µg/m ³	5.0
10	Benzo(a) Pyrene	IS: 5182 (P-12): 2004	*BLQ(**LOQ -0.5)	µg/m ³	1.0
11	Ammonia (as NH ₃)	IS: 5182 (P-25): 2018	13.65	µg/m ³	400.0





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TC-6652

Test Report

Sample Number : SKS/A/05

Report No. : SKS/A/2305050005/A

*BLQ -Below Limit Of Quantification,**LOQ -Limit Of Quantification.

End of Report



SKS / T P / P N 1 7 9 7

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**Test Report**

Sample Number : SKS/A/05

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050005/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 12/05/2023

Period of Analysis : 05/05/2023-12/05/2023

Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information

Sampling Location : Village raghav nagar Near Singrauli Railway Station
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/04/FPS/04
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 02/05/2023 To 03/05/2023
Time of Monitoring : 11:00 Hrs to 11:00 Hrs.
Ambient Temperature (°C) : Min. 26°C, Max. 41°C
Surrounding Activity : Human, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	SKS/STP/AA/17, Issue No. 01, Issue Date 01.07.2022	0.72	mg/m3	4.0

*BLQ -Below Limit Of Quantification,**LOQ -Limit Of Quantification.

End of Report



**Test Report**

Sample Number : SKS/A/06
Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050006/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 12/05/2023
Period of Analysis : 05/05/2023-12/05/2023
Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information

Sampling Location : Near Thana Village Gorbi
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/05/FPS/05
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 02/05/2023 To 03/05/2023
Time of Monitoring : 11:30 Hrs to 11:30 Hrs.
Ambient Temperature (°C) : Min. 26°C, Max. 41°C
Surrounding Activity : Humen, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM-10)	IS : 5182 (P-23)	67.28	µg/m ³	100
2	Particulate Matter (as PM-2.5)	IS: 5182 (P-24)	30.14	µg/m ³	60
3	Nitrogen Dioxides (as NO ₂)	IS: 5182 (P-6)	19.03	µg/m ³	80
4	Sulphar Dioxide (as SO ₂)	IS: 5182 (P-2)	10.71	µg/m ³	80
5	Nickel (as Ni)	USEPA Compendium IO-3.2	*BLQ(**LOQ - 5.0)	ng/m ³	20
6	Lead (as Pb)	IS: 5182 (P- 22)	*BLQ(**LOQ -0.02)	µg/m ³	1.0
7	Arsenic (as AS)	SKS/STP/AA/11, Issue No. 01, Issue Date 01.07.2022	*BLQ(**LOQ - 1.0)	ng/m ³	6.0
8	Ozone (as O ₃)	IS: 5182 (P-9)	8.32	µg/m ³	180
9	Benzene (as C ₆ H ₆)	IS: 5182 (P-11): 2006	*BLQ(**LOQ -1.0)	µg/m ³	5.0
10	Benzo(a) Pyrene	IS: 5182 (P-12): 2004	*BLQ(**LOQ -0.5)	µg/m ³	1.0
11	Ammonia (as NH ₃)	IS: 5182 (P-25): 2018	12.30	µg/m ³	400.0





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TC-6652

Test Report

Sample Number : SKS/A/06

Report No. : SKS/A/2305050006/A

*BLO - Below Limit Of Quantification, **LOQ -Limit Of Quantification.

End of Report



SKS / TP / PN1800

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**Test Report**

Sample Number : SKS/A/06

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050006/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 12/05/2023

Period of Analysis : 05/05/2023-12/05/2023

Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information

Sampling Location : Near Thana Village Gorbi
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/05/FPS/05
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 02/05/2023 To 03/05/2023
Time of Monitoring : 11:30 Hrs to 11:30 Hrs.
Ambient Temperature (°C) : Min. 26°C, Max. 41°C
Surrounding Activity : Humen, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	SKS/STP/AA/17, Issue No. 01, Issue Date 01.07.2022	0.69	mg/m3	4.0

*BLQ -Below Limit Of Quantification, **LOQ -Limit Of Quantification.

End of Report



SKS/TP/PN1801

**Test Report**

Sample Number : SKS/A/07

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050007/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 12/05/2023

Period of Analysis : 05/05/2023-12/05/2023

Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information

Sampling Location : Village - Tikunitola
Sample Collected by : SKS Team (Mr. Gajendra Tyagi)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/03/FPS/03
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 03/05/2023 To 04/05/2023
Time of Monitoring : 11:00 Hrs to 11:00 Hrs.
Ambient Temperature (°C) : Min. 26°C, Max. 40°C
Surrounding Activity : Humen, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM-10)	IS : 5182 (P-23)	70.39	µg/m ³	100
2	Particulate Matter (as PM-2.5)	IS: 5182 (P-24)	35.74	µg/m ³	60
3	Nitrogen Dioxides (as NO ₂)	IS: 5182 (P-6)	20.35	µg/m ³	80
4	Sulphur Dioxide (as SO ₂)	IS: 5182 (P-2)	13.22	µg/m ³	80
5	Nickel (as Ni)	USEPA Compendium IO-3.2	*BLQ(**LOQ - 5.0)	ng/m ³	20
6	Lead (as Pb)	IS: 5182 (P- 22)	*BLQ(**LOQ -0.02)	µg/m ³	1.0
7	Arsenic (as AS)	SKS/STP/AA/11, Issue No. 01, Issue Date 01.07.2022	*BLQ(**LOQ - 1.0)	ng/m ³	6.0
8	Ozone (as O ₃)	IS: 5182 (P-9)	9.20	µg/m ³	180
9	Benzene (as C ₆ H ₆)	IS: 5182 (P-11): 2006	*BLQ(**LOQ -1.0)	µg/m ³	5.0
10	Benzo(a) Pyrene	IS: 5182 (P-12): 2004	*BLQ(**LOQ -0.5)	µg/m ³	1.0
11	Ammonia (as NH ₃)	IS: 5182 (P-25): 2018	14.28	µg/m ³	400.0



SKS / T / 05 / 02



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TC-6652

Test Report

Sample Number : SKS/A/07

Report No. : SKS/A/2305050007/A

*BLQ -Below Limit Of Quantification,**LOQ -Limit Of Quantification.

End of Report



SKS / TP / PN 1803

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**Test Report**

Sample Number : SKS/A/07
Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050007/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 12/05/2023
Period of Analysis : 05/05/2023-12/05/2023
Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information

Sampling Location : Village - Tikunitola
Sample Collected by : SKS Team (Mr. Gajendra Tyagi)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/03/FPS/03
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 03/05/2023 To 04/05/2023
Time of Monitoring : 11:00 Hrs to 11:00 Hrs.
Ambient Temperature (°C) : Min. 26°C, Max. 40°C
Surrounding Activity : Humen, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	SKS/STP/AA/17, Issue No. 01, Issue Date 01.07.2022	0.72	mg/m3	4.0

*BLQ -Below Limit Of Quantification,**LOQ -Limit Of Quantification.

End of Report



SKS / T P / P N 1 8 0 4



Test Report

Sample Number : SKS/A/08
Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050008/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 12/05/2023
Period of Analysis : 05/05/2023-12/05/2023
Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information

Sampling Location : Near Nigahi Coal Mine
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/04/FPS/04
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 03/05/2023 To 04/05/2023
Time of Monitoring : 11:30 Hrs to 11:30 Hrs.
Ambient Temperature (°C) : Min. 26°C, Max. 40°C
Surrounding Activity : Humen, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Particulate Matter (as PM-10)	IS : 5182 (P-23)	79.69	µg/m ³	100
2	Particulate Matter (as PM-2.5)	IS: 5182 (P-24)	47.92	µg/m ³	60
3	Nitrogen Dioxides (as NO ₂)	IS: 5182 (P-6)	24.34	µg/m ³	80
4	Sulphar Dioxide (as SO ₂)	IS: 5182 (P-2)	16.14	µg/m ³	80
5	Nickel (as Ni)	USEPA Compendium IO-3.2	*BLQ(**LOQ - 5.0)	ng/m ³	20
6	Lead (as Pb)	IS: 5182 (P- 22)	*BLQ(**LOQ -0.02)	µg/m ³	1.0
7	Arsenic (as AS)	SKS/STP/AA/11, Issue No. 01, Issue Date 01.07.2022	*BLQ(**LOQ - 1.0)	ng/m ³	6.0
8	Ozone (as O ₃)	IS: 5182 (P-9)	7.43	µg/m ³	180
9	Benzene (as C ₆ H ₆)	IS: 5182 (P-11): 2006	*BLQ(**LOQ -1.0)	µg/m ³	5.0
10	Benzo(a) Pyrene	IS: 5182 (P-12): 2004	*BLQ(**LOQ -0.5)	µg/m ³	1.0
11	Ammonia (as NH ₃)	IS: 5182 (P-25): 2018	13.85	µg/m ³	400.0





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TC-6652

Test Report

Sample Number : SKS/A/08

Report No. : SKS/A/2305050008/A

*BLQ - Below Limit Of Quantification, **LOQ - Limit Of Quantification.

End of Report



SKS / TP / PN 1763

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**Test Report**

Sample Number : SKS/A/08
Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/A/2305050008/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 12/05/2023
Period of Analysis : 05/05/2023-12/05/2023
Receipt Date : 05/05/2023

Sample Description : Ambient Air

General Information

Sampling Location : Near Nigahi Coal Mine
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Sampling Equipment used : RDS/FPS
Instrument Code : SKS/RDS/04/FPS/04
Instrument Calibration Status : Calibrated
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 03/05/2023 To 04/05/2023
Time of Monitoring : 11:30 Hrs to 11:30 Hrs.
Ambient Temperature (°C) : Min. 26°C, Max. 40°C
Surrounding Activity : Humen, Vehicular & Other Activities
Scope of Monitoring : Regulatory Required
Sampling & Analysis Protocol : SKS/STP/AA/01
Sampling Duration : 24 Hrs.
Parameter Required : As Per Work Order

S.No.	Parameters	Test Method	Results	Units	NAAQS 2009
1	Carbon Monoxide (as CO)	SKS/STP/AA/17, Issue No. 01, Issue Date 01.07.2022	0.73	mg/m3	4.0

*BLO - Below Limit Of Quantification, **LOQ - Limit Of Quantification.

End of Report



SKS / TP / PN1764



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TC-6652

Test Report

Sample Number : SKS/AN/01

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Sample Description : Ambient Noise
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989; IS 9876
Instrument Used : SLM

Report No. : SKS/N/2305050001/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 12/05/2023

Receipt Date : 05/05/2023

Sampling Duration : 24 Hrs

Sample Collected by : SKS Team (Mr. Krishkant Singh)

Instrument : Calibrated

Calibration Status

General Information

Sampling Location : Near Water Tank (Project Site)
Instrument Code : SKS/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 01/05/2023 To 02/05/2023
Time of Monitoring : 06.00 AM TO 06.00 AM
Ambient Temperature (°C) : Min. 27°C Max. 41°C
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As Per Work Order

S.No.	Test Parameters	Test Method	Test Result dB (A)	
			Day Time	Night Time
1	Leq	IS: 9989-1981, IS 9876: 1981	64.06	54.73

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM

3. Silence Zone is defined as an area up to 100m around premises of Hospitals, Educational Institutions and Courts. Use of vehicle horn, loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report



SKS / T / P / N / 1765

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**Test Report**

Sample Number : SKS/AN/02

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/N/2305050002/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 12/05/2023

Receipt Date : 05/05/2023

Sampling Duration : 24 Hrs

Sample Collected by : SKS Team (Mr. Krishkant Singh)

Instrument : Calibrated

Calibration Status

Sample Description : Ambient Noise
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989: IS 9876
Instrument Used : SLM**General Information**Sampling Location : Shiv Mandir Near Gorbi village
Instrument Code : SKS/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 02/05/2023 To 03/05/2023
Time of Monitoring : 06.00 AM TO 06.00 AM
Ambient Temperature (°C) : Min. 26°C Max. 41°C
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As Per Work Order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS: 9989-1981, IS 9876: 1981	62.76	52.43

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM

3. Silence Zone is defined as an area up to 100m around premises of Hospitals, Educational Institutions and Courts. Use of vehicle horn, loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report



SKS / TP / PN 1766



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TC-6652

Test Report

Sample Number : SKS/AN/03

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Sample Description : Ambient Noise
Scope of Monitoring : Regulatory Requirement
Protocol Used : IS 9989: IS 9876
Instrument Used : SLM

Report No. : SKS/N/2305050003/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 12/05/2023

Receipt Date : 05/05/2023

Sampling Duration : 24 Hrs

Sample Collected by : SKS Team (Mr. Krishkant Singh)

Instrument : Calibrated

Calibration Status

General Information

Sampling Location : Waidhan Road Singrauli Near Mayaram Mahavidyalaya
Instrument Code : SKS/SLM/03
Meteorological condition during monitoring : Clear Sky
Date of Monitoring : 03/05/2023 To 04/05/2023
Time of Monitoring : 06.00 AM TO 06.00 AM
Ambient Temperature (°C) : Min. 26°C Max. 40°C
Surrounding Activity : Human, Vehicular & Other Activities
Parameter Required : As Per Work Order

S.No.	Test Parameters	Protocol	Test Result dB(A)	
			Day Time	Night Time
1	Leq	IS: 9989-1981, IS 9876: 1981	65.06	53.73

Category of Zones	Leq in dB(A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.

2. Night Time is reckoned between 10.00 PM to 6.00 AM

3. SilenceZone is defined as an area up to 100m around premises of Hospitals, Educational Institutions and Courts. Use of vehicle horn, loudspeaker and bursting of crackers is banned in these zones.

Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

End of Report



SKS/TP/PN1767

Page No. 1/1

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Test Report

Sample Number : SKS/GW/01

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Sample Description : Water Sample (Ground Water)
Location : Plant Office (Project Site) Borewell
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Preservation : Suitable Preservation
Sampling and Analysis Protocol : SKS/STP/W/1

ULR No. : TC665223000000105F
Report No. : SKS/W/2305050001/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 12/05/2023
Period of Analysis : 05/05/2023-12/05/2023
Receipt Date : 05/05/2023
Sampling Date : 02/05/2023
Sampling Quantity : 5 Ltr.+ 500 ml
Sampling Type : Grab
Longitude :
Latitude :

S.No.	Test Parameters	Test Method	Result	Unit	Limit as Per IS: 10500-2012	
					Acceptable Limit	Permissible Limit
1	pH	IS: 3025 (P-11) -2022	7.31	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS 3025 (P-10) : 1984	*BLQ(**LOQ -1.0)	NTU	1	5
3	Calcium (as CaCO ₃)	IS 3025 (P-40) : 1991	40.21	mg/L	75	200
4	Chloride (as Cl)	IS 3025 (P-32) :1988	41.80	mg/L	250	1000
5	Fluoride (as F)	APHA (23rd Edition) 4500FD: 2017	*BLQ(**LOQ -0.2)	mg/L	1.0	1.5
6	Free Residual Chlorine	IS 3025 (P-26): 2021	*BLQ(**LOQ -2.0)	mg/L	0.2	1.0
7	Magnesium (as Mg)	IS 3025 (P-46) : 1994	18.84	mg/L	30	100
8	Nitrate (as NO ₃)	IS 3025 (P-34) (Chromotropic Method): 1988	2.0	mg/L	45.0	No Relaxation
9	Phenolic Compounds (as C ₆ H ₅ OH)	(APHA 23rd Edition) 5530C: 2017	*BLQ(**LOQ 0.10)	mg/L	0.001	0.002
10	Sulphate (as SO ₄)	IS 3025 (P-24)/Sec-1: 2021	58.09	mg/L	200	400
11	Total Alkalinity (as CaCO ₃)	IS 3025 (P-23) : 1986	196.96	mg/L	200	600
12	Total Dissolved Solids	IS 3025 (P-16): 1984	325.0	mg/L	500	2000
13	Total Hardness (CaCO ₃)	IS 3025 (P-21): 2009	177.84	mg/L	200	600
14	Boron (as B)	APHA (23rd Edition) Method No. 4500B: 2017	*BLQ(**LOQ -0.2)	mg/L	0.5	1.0
15	Cadmium (as Cd)	APHA (23rd Edition) 3030D, 3113B: 2017	*BLQ(**LOQ -0.05)	mg/L	0.003	No Relaxation
16	Chromium (as Cr)	APHA (23rd Edition) Year Method No. 3113B : 2017	*BLQ(**LOQ -0.05)	mg/L	0.05	No Relaxation
17	Copper (as Cu)	APHA (23rd Edition) Method No. 3111B: 2017	*BLQ(**LOQ -0.05)	mg/L	0.05	1.5
18	Lead (as Pb)	APHA (23rd Edition) 3030D, 3113B: 2017	*BLQ(**LOQ -0.05)	mg/L	0.01	No Relaxation
19	Mercury (as Hg)	APHA (23rd Edition) 3114C: 2017	*BLQ(**LOQ -0.001)	mg/L	0.01	No Relaxation
20	Selenium (as se)	APHA (23rd Edition) 3114C: 2017	*BLQ(**LOQ -0.005)	mg/L	0.01	No Relaxation



**Test Report**

Sample Number : SKS/GW/01

ULR No. : TC665223000000105F

Report No. : SKS/W/2305050001/A

S.No.	Test Parameters	Test Method	Result	Unit	Limit as Per IS: 10500-2012	
					Acceptable Limit	Permissible Limit
21	Zinc (as Zn)	APHA (23rd Edition), 3030D, 3113B: 2017	*BLQ(**LOQ -0.20)	mg/L	5.0	15.0
22	Arsenic	APHA (23rd Edition) 3114C: 2017	*BLQ(**LOQ -0.05)	mg/L	--	--
23	Aluminium (as Al)	IS 3025 (P-55): 2003	*BLQ(**LOQ - 0.03)	mg/L	0.03	0.2
24	Sulphide	IS 3025 (P-29): 1986	*BLQ(**LOQ -0.20)	mg/L	0.05	No Relaxation
25	Cyanide (as CN)	APHA 23rd Edition 2017 4500CN D	*BLQ(**LOQ -0.2)	mg/L	0.05	No Relaxation
26	Ammonia (as N)	IS 3025 (P-34): 1988	*BLQ(**LOQ -0.3)	mg/L	0.5	No Relaxation
27	Total Coliform	IS 1622: 1981	Absent	Per 100 ml	Shall not be Detectable in 100ml	--
28	E Coli	IS 15185 : 2016	Absent	Per 100 ml	Shall not be Detectable in 100ml	--

*BLQ -Below Limit Of Quantification, **LOQ -Limit Of Quantification.

End of Report



**Test Report**

Sample Number : SKS/GW/01
Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/W/2305050001/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 12/05/2023
Period of Analysis : 05/05/2023-12/05/2023
Receipt Date : 05/05/2023
Sampling Date : 02/05/2023
Sampling Quantity : 5 Ltr.+ 500 ml
Sampling Type : Grab
Longitude :
Latitude :

Sample Description : Water Sample (Ground Water)
Location : Plant Office (Project Site) Borewell
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Preservation : Suitable Preservation
Sampling and Analysis Protocol : SKS/STP/W/1

S.No.	Test Parameters	Test Method	Result	Unit	Limit as Per IS: 10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS: 3025 (P-4) RA 2017	*BLQ(**LOQ 1.0)	Hazen	5	15
2	Odour	IS 3025 (P-5) :RA 2017	Agreeable	--	Agreeable	Agreeable
3	Taste	IS 3025(P-8): 1984 RA 2017	Agreeable	mg/L	Agreeable	Agreeable
4	Anionic Detergents (as MBAS)	APHA 23rd Edition 2017, 5540C.	*BLQ(**LOQ -0.02)	mg/L	0.2	1.0

*BLQ -Below Limit Of Quantification, **LOQ -Limit Of Quantification.

End of Report



SKS / T P / P N 1 7 4 3



Test Report

Sample Number : SKS/GW/02

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Sample Description : Water Sample (Ground Water)
Location : Borewell Near Raghav Nagar
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Preservation : Suitable Preservation
Sampling and Analysis Protocol : SKS/STP/W/1

ULR No. : TC665223000000106F
Report No. : SKS/W/2305050002/A
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 12/05/2023
Period of Analysis : 05/05/2023-12/05/2023
Receipt Date : 05/05/2023
Sampling Date : 02/05/2023
Sampling Quantity : 5 Ltr.+500 ml
Sampling Type : Grab
Longitude : -
Latitude :

S.No.	Test Parameters	Test Method	Result	Unit	Limit as Per IS: 10500-2012	
					Acceptable Limit	Permissible Limit
1	pH	IS: 3025 (P-11) -2022	7.51	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS 3025 (P-10) : 1984	*BLQ(**LOQ 1.0)	NTU	1	5
3	Calcium (as CaCO ₃)	IS 3025 (P-40) : 1991	36.38	mg/L	75	200
4	Chloride (as Cl)	IS 3025 (P-32) :1988	53.20	mg/L	250	1000
5	Fluoride (as F)	APHA (23rd Edition) 4500FD: 2017	*BLQ(**LQO -0.20)	mg/L	1.0	1.5
6	Free Residual Chlorine	IS 3025 (P-26): 2021	*BLQ(**LOQ -2.0)	mg/L	0.2	1.0
7	Magnesium (as Mg)	IS 3025 (P-46) : 1994	8.98	mg/L	30	100
8	Nitrate (as NO ₃)	IS 3025 (P-34) (Chromotropic Method): 1988	2.63	mg/L	45.0	No Relaxation
9	Phenolic Compounds (as C ₆ H ₅ OH)	(APHA 23rd Edition) 5530C: 2017	*BLQ(**LOQ -0.10)	mg/L	0.001	0.002
10	Sulphate (as SO ₄)	IS 3025 (P-24)/Sec-1: 2021	44.50	mg/L	200	400
11	Total Alkalinity (as CaCO ₃)	IS 3025 (P-23) : 1986	100.50	mg/L	200	600
12	Total Dissolved Solids	IS 3025 (P-16): 1984	228.0	mg/L	500	2000
13	Total Hardness (CaCO ₃)	IS 3025 (P-21): 2009	127.68	mg/L	200	600
14	Boron (as B)	APHA (23rd Edition) Method No. 4500B: 2017	*BLQ(**LOQ -0.2)	mg/L	0.5	1.0
15	Cadmium (as Cd)	APHA (23rd Edition) 3030D, 3113B: 2017	*BLQ(**LOQ -0.05)	mg/L	0.003	No Relaxation
16	Chromium (as Cr)	APHA (23rd Edition) Year Method No. 3113B : 2017	*BLQ(**LOQ -0.05)	mg/L	0.05	No Relaxation
17	Copper (as Cu)	APHA (23rd Edition) Method No. 3111B: 2017	*BLQ(**LOQ -0.05)	mg/L	0.05	1.5
18	Lead (as Pb)	APHA (23rd Edition) 3030D, 3113B: 2017	*BLQ(**LOQ -0.05)	mg/L	0.01	No Relaxation
19	Mercury (as Hg)	APHA (23rd Edition) 3114C: 2017	*BLQ(**LOQ 0.001)	mg/L	0.01	No Relaxation
20	Selenium (as se)	APHA (23rd Edition) 3114C: 2017	*BLQ(**LOQ -0.005)	mg/L	0.01	No Relaxation





Test Report

Sample Number : SKS/GW/02

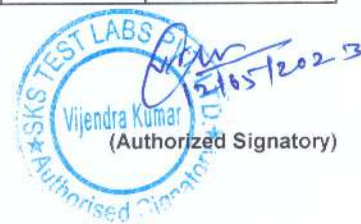
ULR No. : TC665223000000106F

Report No. : SKS/W/2305050002/A

S.No.	Test Parameters	Test Method	Result	Unit	Limit as Per IS: 10500-2012	
					Acceptable Limit	Permissible Limit
21	Zinc (as Zn)	APHA (23rd Edition), 3030D, 3113B: 2017	*BLQ(**LOQ -0.20)	mg/L	5.0	15.0
22	Arsenic	APHA (23rd Edition) 3114C: 2017	*BLQ(**LOQ -0.001)	mg/L	--	--
23	Aluminium (as Al)	IS 3025 (P-55): 2003	*BLQ(**LQO -0.03)	mg/L	0.03	0.2
24	Sulphide	IS 3025 (P-29): 1986	*BLQ(**LOQ 0.20)	mg/L	0.05	No Relaxation
25	Cyanide (as CN)	APHA 23rd Edition 2017 4500CN D	*BLQ(**LOQ -0.02)	mg/L	0.05	No Relaxation
26	Ammonia (as N)	IS 3025 (P-34): 1988	*BLQ(**LOQ -0.3)	mg/L	0.5	No Relaxation
27	Total Coliform	IS 15185 : 2016	Absent	Per 100ml	Shall Not Be detectable in 100ml	--
28	E Coli	IS 15185 : 2016	Absent	Per 100ml	Shall Not Be detectable in 100ml	--

*BLQ -Below Limit Of Quantification,**LOQ -Limit Of Quantification.

End of Report



SKS / T P / P N 1 7 4 5

**Test Report**

Sample Number : SKS/GW/02

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/W/2305050002/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 12/05/2023

Period of Analysis : 05/05/2023-12/05/2023

Receipt Date : 05/05/2023

Sampling Date : 02/05/2023

Sampling Quantity : 5 Ltr.+500 ml

Sampling Type : Grab

Longitude : -

Latitude : -

Sample Description : Water Sample (Gound Water)
Location : Borewell Near Raghav Nagar
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Preservation : Suitable Preservation
Sampling and Analysis Protocol : SKS/STP/W/1

S.No.	Test Parameters	Test Method	Result	Unit	Limit as Per IS: 10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS: 3025 (P-4) RA 2017	*BLQ(**LOQ -1.0)	Hazen	5	15
2	Odour	IS 3025 (P-5) :RA 2017	Agreeable	--	Agreeable	Agreeable
3	Taste	IS 3025(P-8): 1984 RA 2017	Agreeable	mg/L	Agreeable	Agreeable
4	Anionic Detergents (as MBAS)	APHA 23rd Edition 2017, 5540C.	*BLQ(**LOQ -0.005)	mg/L	0.2	1.0

*BLQ -Below Limit Of Quantification,**LOQ -Limit Of Quantification.

End of Report



SKS / TP / PN 1746

**Test Report**

Sample Number : SKS/GW/03

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Sample Description : Water Sample (Ground Water)

Location : Borewell Near Gorbi Village

Sample Collected by : SKS Team (Mr. Krishkant Singh)

Preservation : Suitable Preservation

Sampling and Analysis Protocol : SKS/STP/W/1

ULR No. : TC665223000000107F

Report No. : SKS/W/2305050003/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 12/05/2023

Period of Analysis : 05/05/2023-12/05/2023

Receipt Date : 05/05/2023

Sampling Date : 02/05/2023

Sampling Quantity : 5 Ltr.+ 500 ml

Sampling Type : Grab

Longitude : -

Latitude : -

S.No.	Test Parameters	Test Method	Result	Unit	Limit as Per IS: 10500-2012	
					Acceptable Limit	Permissible Limit
1	pH	IS: 3025 (P-11) -2022	7.91	--	6.5 to 8.5	No Relaxation
2	Turbidity	IS 3025 (P-10) : 1984	*BLQ(**LQO - 1.0)	NTU	1	5
3	Calcium (as CaCO ₃)	IS 3025 (P-40) : 1991	51.17	mg/L	75	200
4	Chloride (as Cl)	IS 3025 (P-32) :1988	39.90	mg/L	250	1000
5	Fluoride (as F)	APHA (23rd Edition) 4500FD: 2017	*BLQ(**LOQ -0.20)	mg/L	1.0	1.5
6	Free Residual Chlorine	IS 3025 (P-26): 2021	*BLQ(**LOQ -2.0)	mg/L	0.2	1.0
7	Magnesium (as Mg)	IS 3025 (P-46) : 1994	7.76	mg/L	30	100
8	Nitrate (as NO ₃)	IS 3025 (P-34) (Chromotropic Method): 1988	3.0	mg/L	45.0	No Relaxation
9	Phenolic Compounds (as C ₆ H ₅ OH)	(APHA 23rd Edition) 5530C: 2017	*BLQ(**LOQ -0.10)	mg/L	0.001	0.002
10	Sulphate (as SO ₄)	IS 3025 (P-24)/Sec-1: 2021	53.28	mg/L	200	400
11	Total Alkalinity (as CaCO ₃)	IS 3025 (P-23) : 1986	140.70	mg/L	200	600
12	Total Dissolved Solids	IS 3025 (P-16): 1984	390.0	mg/L	500	2000
13	Total Hardness (CaCO ₃)	IS 3025 (P-21): 2009	159.60	mg/L	200	600
14	Boron (as B)	APHA (23rd Edition) Method No. 4500B: 2017	*BLQ(**LOQ -0.2)	mg/L	0.5	1.0
15	Cadmium (as Cd)	APHA (23rd Edition) 3030D, 3113B: 2017	*BLQ(**LOQ -0.05)	mg/L	0.003	No Relaxation
16	Chromium (as Cr)	APHA (23rd Edition) Year Method No. 3113B : 2017	*BLQ(**LOQ -0.05)	mg/L	0.05	No Relaxation
17	Copper (as Cu)	APHA (23rd Edition) Method No. 3111B: 2017	*BLQ(**LOQ -0.05)	mg/L	0.05	1.5
18	Lead (as Pb)	APHA (23rd Edition) 3030D, 3113B: 2017	*BLQ(**LOQ -0.05)	mg/L	0.01	No Relaxation
19	Mercury (as Hg)	APHA (23rd Edition) 3114C: 2017	*BLQ(**LOQ -0.001)	mg/L	0.01	No Relaxation
20	Selenium (as Se)	APHA (23rd Edition) 3114C: 2017	*BLQ(**LOQ -0.005)	mg/L	0.01	No Relaxation



SKS / TP / P N 1 7 2 3

**Test Report**

Sample Number : SKS/GW/03

ULR No. : TC665223000000107F

Report No. : SKS/W/2305050003/A

S.No.	Test Parameters	Test Method	Result	Unit	Limit as Per IS: 10500-2012	
					Acceptable Limit	Permissible Limit
21	Zinc (as Zn)	APHA (23rd Edition), 3030D, 3113B: 2017	*BLQ(**LOQ -0.20)	mg/L	5.0	15.0
22	Arsenic	APHA (23rd Edition) 3114C: 2017	*BLQ(**LOQ -0.005)	mg/L	--	--
23	Aluminium (as Al)	IS 3025 (P-55): 2003	*BLQ(**LOQ -0.03)	mg/L	0.03	0.2
24	Sulphide	IS 3025 (P-29): 1986	*BLQ(**LOQ -0.20)	mg/L	0.05	No Relaxation
25	Cyanide (as CN)	APHA 23rd Edition 2017 4500CN D	*BLQ(**LOQ -0.02)	mg/L	0.05	No Relaxation
26	Ammonia (as N)	IS 3025 (P-34): 1988	*BLQ(**LOQ -0.3)	mg/L	0.5	No Relaxation
27	Total Coliform	IS 15185 : 2016	Absent	Per 100ml	Shall Not Be Decetable in 100ml	--
28	E Coli	IS 15185 : 2016	Absent	Per 100ml	Shall Not Be Decetable in 100ml	--

*BLQ -Below Limit Of Quantification,**LOQ -Limit Of Quantification,

End of Report



SKS / T P / P N 1 7 4 8

**Test Report**

Sample Number : SKS/GW/03
Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/W/2305050003/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 12/05/2023
Period of Analysis : 05/05/2023-12/05/2023
Receipt Date : 05/05/2023
Sampling Date : 02/05/2023
Sampling Quantity : 5 Ltr.+ 500 ml
Sampling Type : Grab
Longitude : -
Latitude : -

Sample Description : Water Sample (Ground Water)
Location : Borewell Near Gorbi Village
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Preservation : Suitable Preservation
Sampling and Analysis Protocol : SKS/STP/W/1

S.No.	Test Parameters	Test Method	Result	Unit	Limit as Per IS: 10500-2012	
					Acceptable Limit	Permissible Limit
1	Colour	IS: 3025 (P-4) RA 2017	*BLQ(**LQO -1.0)	Hazen	5	15
2	Odour	IS 3025 (P-5) :RA 2017	Agreeable	--	Agreeable	Agreeable
3	Taste	IS 3025(P-8): 1984 RA 2017	Agreeable	mg/L	Agreeable	Agreeable
4	Anionic Detergents (as MBAS)	APHA 23rd Edition 2017, 5540C.	*BLQ(**LOQ -0.005)	mg/L	0.2	1.0

*BLQ -Below Limit Of Quantification,**LOQ -Limit Of Quantification,

End of Report



SKS/STP/PN1749

**Test Report**

Sample Number : SKS/SW/01

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Sample Description : SURFACE WATER

Location : Bijul River

Sample Collected by : SKS Team (Mr. Krishkant Singh)

Parameter Required : As Per Work Order

Sampling and Analysis Protocol : IS 2296

Report No. : SKS/W/2305050004/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 12/05/2023

Period of Analysis : 05/05/2023-12/05/2023

Receipt Date : 05/05/2023

Sampling Date : 03/05/2023

Sampling Quantity : 5 Ltr.+ 500 ml

Sampling Type : Grab

Packing Status : Temp. Sealed

ULR No. : TC665223000000108F

S.No.	Test Parameters	Test Method	Results	Units
1	pH value	IS 3025 (P-11): 1983 Reaff. 2017	7.61	--
2	Turbidity	IS 3025 (Part 10): 1984, Reaff. 2017, (Nephelometric Method)	22.0	NTU
3	Total Dissolved Solids	IS 3025 (P-16): 1984 Reaff 2017	231.0	mg/l
4	Chloride (as Cl)	IS: 3025 (Part 32): 1988, Reaff. 2019	26.60	mg/l
5	Sulphate as (SO ₄)	IS: 3025 (Part 24): 1986, Reaff. 2019 Turbidity Method	39.24	mg/l
6	Total Alkalinity (as CaCO ₃)	IS: 3025 (Part 23): 1986, Reaff. 2019	112.56	mg/l
7	Total Hardness (CaCO ₃)	IS: 3025 (Part 21): 2009, Reaff. 2019	109.44	mg/l
8	Calcium (as Ca)	IS: 3025 (Part 40): 1991 Reaff. 2019 (EDTA method)	38.38	mg/l
9	Magnesium	IS: 3025 (Part 46): 1994, Reaff. 2019 (EDTA method)	23.98	mg/l
10	Fluoride (as F)	APHA 23rd Edition 2017, 4500FD	*BLQ(**LOQ -0.2)	mg/l
11	Nitrate (as NO ₃)	IS: 3025 (Part 34): 1988, Reaff. 2019 (Chromotropic Method)	*BLQ(**LOQ -0.5)	mg/l
12	Phenolic compounds	APHA 23rd Edition 2017, 5530C	*BLQ(**LOQ -0.1)	mg/l
13	Total Coliform	IS 1622: 1981	27.0	MPN/100ml
14	Zinc as (Zn)	APHA (23rd edition), 3030D,3113B	*BLQ(**LOQ -0.20)	mg/l
15	Copper (Cu)	APHA (23rd edition), 3111B	*BLQ(**LOQ -0.05)	mg/l
16	Lead as Pb	APHA (23rd edition), 3030D,3113B, 2017	*BLQ(**LOQ -0.05)	mg/l
17	Arsenic as As	APHA (23rd edition), 3030D,3114C, 2017	*BLQ(**LOQ -0.005)	mg/l
18	E Coli	IS 1622, 1981	33.0	MPN/100ml

SKS / T P / P N 1 7 5 2

**Test Report**

Sample Number : SKS/SW/01

Report No. : SKS/W/2305050004/A

S.No.	Test Parameters	Test Method	Results	Units
19	Boron	APHA (23rd edition) 4500B, 2017	*BLQ(**LOQ - 0.2)	mg/l
20	Chromium as Cr	APHA (23rd edition), 3030D,3113B, 2017	*BLQ(**LOQ -0.05)	mg/l
21	Cadmium as Cd	APHA (23rd edition), 3030D,3113B, 2017	*BLQ(**LOQ -0.05)	mg/l
22	Selenium as Se	APHA (23rd edition),3114C, 2017	*BLQ(**LOQ -0.005)	mg/l
23	Mercury as Hg	APHA (23rd edition),3114C, 2017	*BLQ(**LOQ -0.001)	mg/l

*BLQ -Below Limit Of Quantification,**LOQ -Limit Of Quantification.

End of Report



SKS / T P / P N 1 7 5 3

**Test Report**

Sample Number : SKS/SW/01

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Sample Description : SURFACE WATER

Location : Bijul River

Sample Collected by : SKS Team (Mr. Krishkant Singh)

Parameter Required : As Per Work Order

Sampling and Analysis Protocol : IS 2296

Report No. : SKS/W/2305050004/B

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 12/05/2023

Period of Analysis : 05/05/2023-12/05/2023

Receipt Date : 05/05/2023

Sampling Date : 03/05/2023

Sampling Quantity : 5 Ltr.+ 500 ml

Sampling Type : Grab

Packing Status : Temp. Sealed

S.No.	Test Parameters	Test Method	Results	Units
1	Colour	IS 3025: 1987 (P-4) Reaff.2017	*BLQ(**LOQ - 1.0)	Hazen
2	Odour	IS 3025 (P-5) : 2018	Agreeable	--
3	Anionic Surface active agents (as MBAS)	APHA 23rd Edition 2017, 5540C	*BLQ(**LOQ -0.05)	mg/l
4	Residual Free Chlorine	IS:3025(P-26):1986,RA:2019:1986	*BLQ(**LOQ -2.0)	mg/l
5	Cyanide as CN	APHA 4500 CN -D	*BLQ(**LOQ -0.02)	mg/l
6	Aluminium as Al	IS 3025 (P-55) 2003, RA 2019	*BLQ(**LOQ -0.03)	mg/l
7	Sulphide	IS3025(P-29):1986 Reaff 2019	*BLQ(**LOQ -0.20)	mg/l
8	Ammonia (as N)	IS -3025 (Part- 34):1988, RA 2019	*BLQ(**LOQ -0.3)	mg/l

*BLQ -Below Limit Of Quantification,**LOQ -Limit Of Quantification.

End of Report



SKS / TP / PN1754



Test Report

Sample Number : SKS/SW/02

Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Sample Description : SURFACE WATER

Location : Near Village Singrauli Road

Sample Collected by : SKS Team (Mr. Krishkant Singh)

Parameter Required : As Per Work Order

Sampling and Analysis Protocol : IS 2296

Report No. : SKS/W/2305050005/A

Format No : 7.8 F-01

Party Reference No : NIL

Report Date : 12/05/2023

Period of Analysis : 05/05/2023-12/05/2023

Receipt Date : 05/05/2023

Sampling Date : 03/05/2023

Sampling Quantity : 5 Ltr.+ 500 ml

Sampling Type : Grab

Packing Status : Temp. Sealed

ULR No. : TC665223000000109F

S.No.	Test Parameters	Test Method	Results	Units
1	pH value	IS 3025 (P-11): 1983 Reaff. 2017	7.68	--
2	Turbidity	IS 3025 (Part 10): 1984, Reaff. 2017, (Nephelometric Method)	20.50	NTU
3	Total Dissolved Solids	IS 3025 (P-16): 1984 Reaff 2017	221.0	mg/l
4	Chloride (as Cl)	IS: 3025 (Part 32): 1988, Reaff. 2019	43.70	mg/l
5	Sulphate as (SO4)	IS: 3025 (Part 24): 1986, Reaff. 2019 Turbidity Method	25.0	mg/l
6	Total Alkalinity (as CaCO3)	IS: 3025 (Part 23): 1986, Reaff. 2019	108.54	mg/l
7	Total Hardness (CaCO3)	IS: 3025 (Part 21): 2009, Reaff. 2019	118.56	mg/l
8	Calcium (as Ca)	IS: 3025 (Part 40): 1991 Reaff. 2019 (EDTA method)	45.69	mg/l
9	Magnesium	IS: 3025 (Part 46): 1994, Reaff. 2019 (EDTA method)	1.11	mg/l
10	Fluoride (as F)	APHA 23rd Edition 2017, 4500FD	*BLQ(**LOQ -0.2)	mg/l
11	Nitrate (as NO3)	IS: 3025 (Part 34): 1988, Reaff. 2019 (Chromotropic Method)	*BLQ(**LOQ -0.5)	mg/l
12	Phenolic compounds	APHA 23rd Edition 2017, 5530C	*BLQ(**LOQ -0.10)	mg/l
13	Total Coliform	IS 1622 : 1981	22.0	MPN/100ml
14	Zinc as (Zn)	APHA (23rd edition), 3030D,3113B	*BLQ(**LOQ -0.20)	mg/l
15	Copper (Cu)	APHA (23rd edition), 3111B	*BLQ(**LOQ -0.05)	mg/l
16	Lead as Pb	APHA (23rd edition), 3030D,3113B, 2017	*BLQ(**LOQ -0.05)	mg/l
17	Arsenic as As	APHA (23rd edition), 3030D,3114C, 2017	*BLQ(**LOQ -0.005)	mg/l
18	E Coli	IS 1622 :1981	31.0	MPN/100ml

SKS / TP / P N 1 3 5 6

**Test Report**

Sample Number : SKS/SW/02

Report No. : SKS/W/2305050005/A

S.No.	Test Parameters	Test Method	Results	Units
19	Boron	APHA (23rd edition) 4500B, 2017	*BLQ(**LOQ -0.2)	mg/l
20	Chromium as Cr	APHA (23rd edition), 3030D,3113B, 2017	*BLQ(**LOQ -0.05)	mg/l
21	Cadmium as Cd	APHA (23rd edition), 3030D,3113B, 2017	*BLQ(**LOQ -0.05)	mg/l
22	Selenium as Se	APHA (23rd edition),3114C, 2017	*BLQ(**LOQ -0.005)	mg/l
23	Mercury as Hg	APHA (23rd edition),3114C, 2017	*BLQ(**LOQ -0.001)	mg/l

*BLQ -Below Limit Of Quantification,**LOQ -Limit Of Quantification.

End of Report



SKS / T P / P N 1 7 5 7



Test Report

Sample Number : SKS/SW/02
Name & Address of the Party : M/s R.K. Transport & Construction
Coal Washery Division Grobi, Singrauli, (MP)

Report No. : SKS/W/2305050005/B
Format No : 7.8 F-01
Party Reference No : NIL
Report Date : 12/05/2023
Period of Analysis : 05/05/2023-12/05/2023
Receipt Date : 05/05/2023
Sampling Date : 03/05/2023
Sampling Quantity : 5 Ltr.+ 500 ml
Sampling Type : Grab
Packing Status : Temp. Sealed

Sample Description : SURFACE WATER
Location : Near Village Singrauli Road
Sample Collected by : SKS Team (Mr. Krishkant Singh)
Parameter Required : As Per Work Order
Sampling and Analysis Protocol : IS 2296

S.No.	Test Parameters	Test Method	Results	Units
1	Colour	IS 3025: 1987 (P-4) Reaff.2017	*BLQ(**LOQ -1.0)	Hazen
2	Odour	IS 3025 (P-5) : 2018	Agreeable	--
3	Anionic Surface active agents (as MBAS)	APHA 23rd Edition 2017, 5540C	*BLQ(**LOQ -0.05)	mg/l
4	Residual Free Chlorine	IS:3025(P-26):1986,RA:2019:1986	*BLQ(**LOQ -2.0)	mg/l
5	Cyanide as CN	APHA 4500 CN -D	*BLQ(**LOQ -0.02)	mg/l
6	Aluminium as Al	IS 3025 (P-55) 2003, RA 2019	*BLQ(**LOQ -0.3)	mg/l
7	Sulphide	IS3025(P-29):1986 Reaff 2019	*BLQ(**LOQ -0.20)	mg/l
8	Ammonia (as N)	IS -3025 (Part- 34):1988, RA 2019	*BLQ(**LOQ -0.3)	mg/l

*BLQ -Below Limit Of Quantification,**LOQ -Limit Of Quantification.

End of Report



SKS / T P / P N 1 7 5 8

Plantation Photographs with Safegaurds

Within Washery Area









On sidins of HaulRoads



Workers With PPE'S



Water Sprinkling Arrangements in washery Plant for Dust Suppression





Constructed Concrete road in the Washery Plant Area Premises



Settling Tank & Thickner for Waste/Effluent Water Treatment to ensure ZLD

