



JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004

Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref No. JSPCB/HO/RNC/CTO-1173946/2017/789

Dated : 2017-06-14

Consent to operate (CTO) under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

1. Application (s) dated 2016-12-21 of Khasmahal Project, Occupier Name :SANJIV KUMAR SINGH for consent under section 25 (1) (b)/25 (1) (c)/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(1) of the Air (Prevention & Control of Pollution) Act,1981.
2. **Documents Relied Upon:**
 - (a) The content of Consent-to-Operate (CTO), vide Ref. No. C-362 dated 10.11.2008.
 - (b) The content of Inspection Report (IR), vide Ref. No.362, Dated 10.11.2008
3. The consent is granted under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to operate the project in Mauza -Kurpania & Bermo , P S -Kurpania , District -BOKARO , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			
Before Expansion	1,41,42,43,44,196 etc., Khata No.:1,9,91,132 etc.	Mine Lease area 219.56 Ha	984570722/-	Coal(Peak Capacity)-1.5 MTPA	Date of issue to 31.12.2017

(A) General Conditions :

- (1) That, the occupier shall comply with all conditions of EC, Ref No J-11015/217/2007-IA.II(M) , Dated 02/08/2010, CTE, Ref No , and dated 24/04/2017 , previous CTO, Ref No C-362dated10/11/2008 and shall submit report to this effect with supporting documents.
- (2) That, the occupier shall maintain the **National Ambient Air Quality Standard** given below:

S N	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Govt.)
(1)	(2)	(3)	(4)	(5)
1.	Sulphur Dioxide (SO ₂), µg/m ³	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO ₂), µg/m ³	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM ₁₀ , µg/m ³	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM _{2.5} , µg/m ³	Annual 24 hours	40 60	40 60
5.	Ozone(O ₃), µg/m ³	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m ³	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m ³	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH ₃) µg/m ³	Annual 24 hours	100 400	100 400
9.	Benzene (C ₆ H ₆) µg/m ³	Annual	05	05
10.	Benzo(a) Pyrene(BaP) Particulate Phase only ng/m ³	Annual	01	01
11.	Arsenic (As) ng/m ³	Annual	06	06
12.	Nikel (Ni) ng/m ³	Annual	20	20
Note : Serial no. 1 to 4 – Mandatory Serial no. 5 to 12 As applicable for specific type of industry.				

- (3) That, the occupier shall maintain the emission quality within the standard and the quantity, as follows:

S N	Parameter	Standard
1	Particulate Matter	150 mg/Nm ³

- (4) That, the occupier shall keep process effluent in close-circuit and the quality of effluent from other sources in conformity with the standard (s) and the discharge quantity as below:

S N	Parameter	Standard
1	Total Suspended Solids	100 mg/L
2	BOD	30 mg/L
3	COD	250 mg/ L
4	Oil & Grease	10 mg/ L

- (5) That, the occupier shall dispose of solid wastes as follows:

S N	Waste Type	Mode of Disposal
1	Hazardous Carbonaceous Wastes	In co-processing in high temperature furnaces or kilns
2	Hazardous Non-Carbonaceous Wastes	In TSDF
3	Non-Carbonaceous Non-Hazardous solid wastes/ Mine Over Burden	As a substitute of Soil or Mineral

- (6) That, the occupier shall keep D G Set(s) within acoustic enclosure and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.
- (7) That, the occupier shall install and maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge and submit the photographic view of the structures within a month.
- (8) That, the occupier shall grow and maintain greenery of the project in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.
- (9) That, the occupier shall submit environmental statement with supporting stoichiometric calculations analyses reports, every year latest by 30th September of the next financial year.
- (10) That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited / ISO 9001:2008 and OHSAS 18001:2007 certified laboratory in compliance sub-para (2), (3), (4) and (5) of paragraph 3 of this CTO yearly at required periodicity.

- (11) That, this CTO is valid subjected to the validity of mining Lease/Mining Plan/Ecofriendly/Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.
- (12) That, this CTO is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ occupier.
- (13) That, this CTO shall not in any way, adversely affect or jeopardize the legal proceeding , if any, instituted in the past or that could be , instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.
- (14) That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules made there under.

(B) Specific Conditions:

- (1) That, no mining operation shall be undertaken in the forest land unless forestry clearance has been obtained under the provisions of Forest (Conservation) Act, 1980.
- (2) That, the occupier shall reclaim the mined out area as per guideline prescribed by CPCB.
- (3) That, the occupier shall do sprinkling of water regularly on haul roads, transport roads and dusty areas.
- (4) That, the occupier shall store OB dump properly and construct toe wall and garland drain and shall construct siltation pond.
- (5) That, the occupier shall not do mining activities beyond 31.12.2017 unless and until the occupier has (have) obtained Consent to operate from the Jharkhand State Pollution Control Board.
- (6) That, the occupier shall comply the conditions of environmental clearance issued by MoEF&CC, New Delhi.
- (7) That, the occupier shall comply the conditions of EC and CTO properly.
- (8) That, the occupier shall submit applications for renewal of consent under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days prior to the date of expiry of this consent i.e. 31.12.2017 with requisite fee and documents showing compliance of all of the above conditions.

4. **That, this CTO shall not absolve the occupier from making compliance of other statutory prescribed under any law or direction of courts or any other instrument for the time being in force.**
5. **That, this CTO is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTO will be revoked if any of the information/documents/certificates/undertaking given by the occupier is found false/fictitious/forged in future.**
6. **The Order shall be valid subject to compliance of all other legal requirements applicable to the unit.**

This is issued with the approval of the Competent authority

(Sanjay Kumar Suman)
Member Secretary

Copy to: KHASMAHAL PROJECT, P.O- SUNDAY BAZAR, DIST- BOKARO(JHARKHAND) PIN- 829127/ Director of Industries, Government of Jharkhand, Ranchi/ Director of Mines, Government of Jharkhand, Ranchi/ Chief Inspector of Factories, Ranchi/ Deputy Commissioner, Bokaro/ DFO, Bokaro/ DMO, Bokaro/ Regional Officer, RO, Dhanbad for information & ensuring compliance of the above.

(Sanjay Kumar Suman)

Member Secretary

Water demand:

The peak mine discharge 2700 m³/day (0.98 MCUM/annum) will be source for 'All Uses' in the core zone of Konar Expansion OCP. Out of which 0.40 MCUM discharge during monsoon and 0.58 MCUM discharge during non-monsoon season are considered. The details of present & peak water demand of the project are as below:

Purpose	Present water Supply of Existing Konar OCP (m ³ /day)	Peak Water Demand of Konar Expansion OCP (m ³ /day)
INDUSTRIAL		
HEMM Washing	220	220
Industrial Premises	40	250
Workshop	10	70
Fire Service	80	500
Haul Road watering	130	740
Land Reclamation & Plantation	70	70
Sub-Total	550	1850
Washery	-	1590
Total	550	3440
DOMESTIC (Township)		
Housing	290	600
Service Building	30	60
Process & Loss	40	70
Total	360	730

Mine pumping water from Konar Expansion OCP will be the source of water to meet the entire industrial requirement of the mine. The present and future (Peak) utilization of mine pumping are given.

Mine	Mine Discharge (m ³ /day)	Domestic water Supply	Industrial Water Supply	Water Supply to Peripheral villages	Artificial Recharge/ Irrigation Purposes
m ³ /day					
Existing Konar OCP	570	Nil (Domestic water supply is being met from Godo Nala Check Dam)	550	-	20
Konar Expansion OCP	2700 (i.e.0.98 MCUM/annum, out of which 0.40 MCUM in Monsoon & 0.58 MCUM in Non-monsoon period)	Nil (To be met from Godo Nala Check Dam)	1850	-	850

Washery	1590 m ³ /day water demand propose to supply through reservoir of water collected from overflow of BTPS ash ponds.
Overflow of ash pond of BTPS will be used to meet remaining water demand.	

The surplus mine water, after the meeting of industrial requirement, will be used for artificial recharge and for peripheral villages.

CENTRAL COALFIELDS LIMITED
DARBHANGA HOUSE, RANCHI

Sub: Forwarding Minutes of the 437th (No.04 of 2017)
 Meeting of the Board of Directors held on 21.02.2017

Extract from the minutes of the above meeting, in respect of following item, is appended below:

Item No. 4(33): Proposal seeking approval for setting up of 7.0 MTY Konar Washery on Build-Own-Operate (BOO) concept with freedom of beneficiation technology i.e. dry/wet/combination of dry & wet.

After detailed deliberations, the Board approved the subject proposal as brought out in the agenda note.

It is requested to take necessary action on the decision, wherever necessary, under intimation to this office.

Director (T/P&P)

On behalf of Company Secretary

QM (WC)

Copy for kind information to D(T/O), CCL

No. CS/BM/437/2017/ 136

Date: 14.03.2017

cm (Em) / wc
cm (CP)

DS
16/3

