

HIND ENERGY AND COAL BENEFICATION (INDIA) LTD.

06th August 2019

To,

Director (Coal Mining)
Ministry of Environment, Forests & Climate Change
Indira Paryavaran Bhavan, Jor Bagh,
Jor Bagh Road, New Delhi - 110 003

Sub: Environmental Clearance for our proposed change in technology from 2.4 MTPA Dry type coal washery to 2.4 MTPA wet type coal washery with a combined capacity of 3.6 MTPA (wet type) of coal washery in the existing plant premises at Hindadih Village, Masturi Tehsil, Bilaspur District, Chhattisgarh - Reply to the EDS - Reg.

Ref: i. Final EIA submitted vide File no. J-11015/364/2009/II(M) on 26th May 2019
ii. Essential Details Sought (EDS) vide dt. 11th June 2019

Respected Sir,

We are operating Coal washery of capacity 2.4 MTPA (Dry type) and 1.2 MTPA (Wet type) at Hindadih Village, Masturi Tehsil, Bilaspur District, Chhattisgarh. As a part of modernization, we have proposed to convert the existing 2.4 MTPA (Dry type) to 2.4 MTPA (Wet type) with total operational capacity of 3.6 MTPA (Wet type), as mentioned below:

Capacity of Coal Washery	EC obtained	Request for Change in technology (Present proposal)
2.4 MTPA (Dry type)	E.C. accorded in 24 th June 2008	2.4 MTPA (Dry type) to 2.4 MTPA (Wet Type)
1.2 MTPA (Wet Type)	E.C. accorded in 21 st May 2014	No change
Total operational Capacity of Coal Washery: 3.6 MTPA (Wet type)		

Accordingly, we have submitted the Final EIA report incorporating the Public Hearing proceeding along with managements reply to the issues raised during Public Hearing on 26th May 2019.

Subsequently, MoEF&CC has raised an ED5 vide dated 11th June 2019. Following is the reply to the ED5 raised:

S.No.	Details sought	Reply
1.	What type of technology- specify whether it is heavy media bath or cyclone type?	Type of technology proposed in the proposed plant Heavy media cyclone type
2.	Hydrological study report from page-19 to page 51 shows it is a report of Paras power & Coal Beneficiation	Paras Power name was inadvertently mentioned in the Hydrological study report from Page No. 19 to Page No. 51 prepared M/s. Minjal, Nagpur. We sincerely apologize for the same. Corrected report is enclosed as Annexure – 1 for your kind perusal.
3.	Whether ETP is constructed or not	Waste water generated from the coal washery is being treated in ETP comprising of Settling tanks&Thickener. Kindly refer to Annexure – 2 for ETP flow diagram.
4.	All 12 nos. of parameters of National Ambient Air Quality Standard are not given in EIA report.	Baseline data for Ambient Air Quality has been collected for parameters PM _{2.5} , PM ₁₀ , SO ₂ , NOx & CO as prescribed in the TOR letter granted to us vide dt. 11 th February 2016 vide General TOR # viii.
5.	ToR point no 2 -Why is not applicable	Specific TOR # ii, which states "Detailed ground water availability study" for which Hydrogeological study has been carried out and enclosed as Appendix – 1 in the Final EIA report for your kind perusal. For Specific TOR # iii, which states "Coal transport by closed / covered belt conveyors to and from the new railway siding as per previous EC" for which following is the compliance "our Railway Siding at Ghatora, which is at 20 Kms. (by road) from the plant, hence transportation of coal by closed / covered belt conveyers is not viable our project"
6.	Traffic Assessment Study and its impact on air quality during transportation of raw coal, washed coal.	We would like to inform your good selves, present proposal is only change in technology from DRY process to WET process. There is no increase in the production capacity. Hence there will not be increase in the no. of trucks due to the present proposal. For Air Quality Assessment during transportation of raw coal, ambient air quality monitoring has been carried out at Four locations in the transport route from the Gevra - Kusmunda Mines to Plant for two days at each location. Kindly refer to Annexure – 3 (a) for monitoring report. For Air Quality Assessment during transportation of washed coal, ambient air quality monitoring has been carried out at Four locations in the transport route

S.No.	Details sought	Reply																											
		from Plant to Railway siding at Ghatora for two days at each location. Kindly refer to Annexure – 3 (b) for monitoring report.																											
7.	Whether any Air Pollution Control equipment's is installed before stack emission	Crusher is provided with Dust extraction system followed by Bag filters and emission are discharged through a stack of 30 m height. Outlet dust emission less than 50 mg/Nm ³ . Stack monitoring report is enclosed as Annexure – 4 .																											
8.	Land use details of Plant Area	Land use details of plant area: <table border="1"> <thead> <tr> <th>S.No.</th><th>Description</th><th>Area (In Acres)</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Main Plant Area</td><td>9.0</td></tr> <tr> <td>2.</td><td>Raw Coal Storage Yard</td><td>3.3</td></tr> <tr> <td>3.</td><td>Washed Coal Storage Yard</td><td>1.7</td></tr> <tr> <td>4.</td><td>Rejects storage</td><td>1.4</td></tr> <tr> <td>5.</td><td>Water Storage and Rain Water Harvesting</td><td>0.5</td></tr> <tr> <td>6.</td><td>Parking & Internal Roads</td><td>2.42</td></tr> <tr> <td>7.</td><td>Green Belt</td><td>9.1</td></tr> <tr> <td></td><td>TOTAL</td><td>27.42</td></tr> </tbody> </table>	S.No.	Description	Area (In Acres)	1.	Main Plant Area	9.0	2.	Raw Coal Storage Yard	3.3	3.	Washed Coal Storage Yard	1.7	4.	Rejects storage	1.4	5.	Water Storage and Rain Water Harvesting	0.5	6.	Parking & Internal Roads	2.42	7.	Green Belt	9.1		TOTAL	27.42
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9.	Annexures of RO Compliance certificate dated 8 th February, 2019 is not attached	Kindly refer to Annexure – 5 for RO Compliance certificate dated 8 th February, 2019																											

In this regard, we request your goodselves to kindly process our application and place our proposal before the Expert Appraisal Committee (EAC) for issue of Environmental Clearance at the earliest.

Thanking you,
Regards

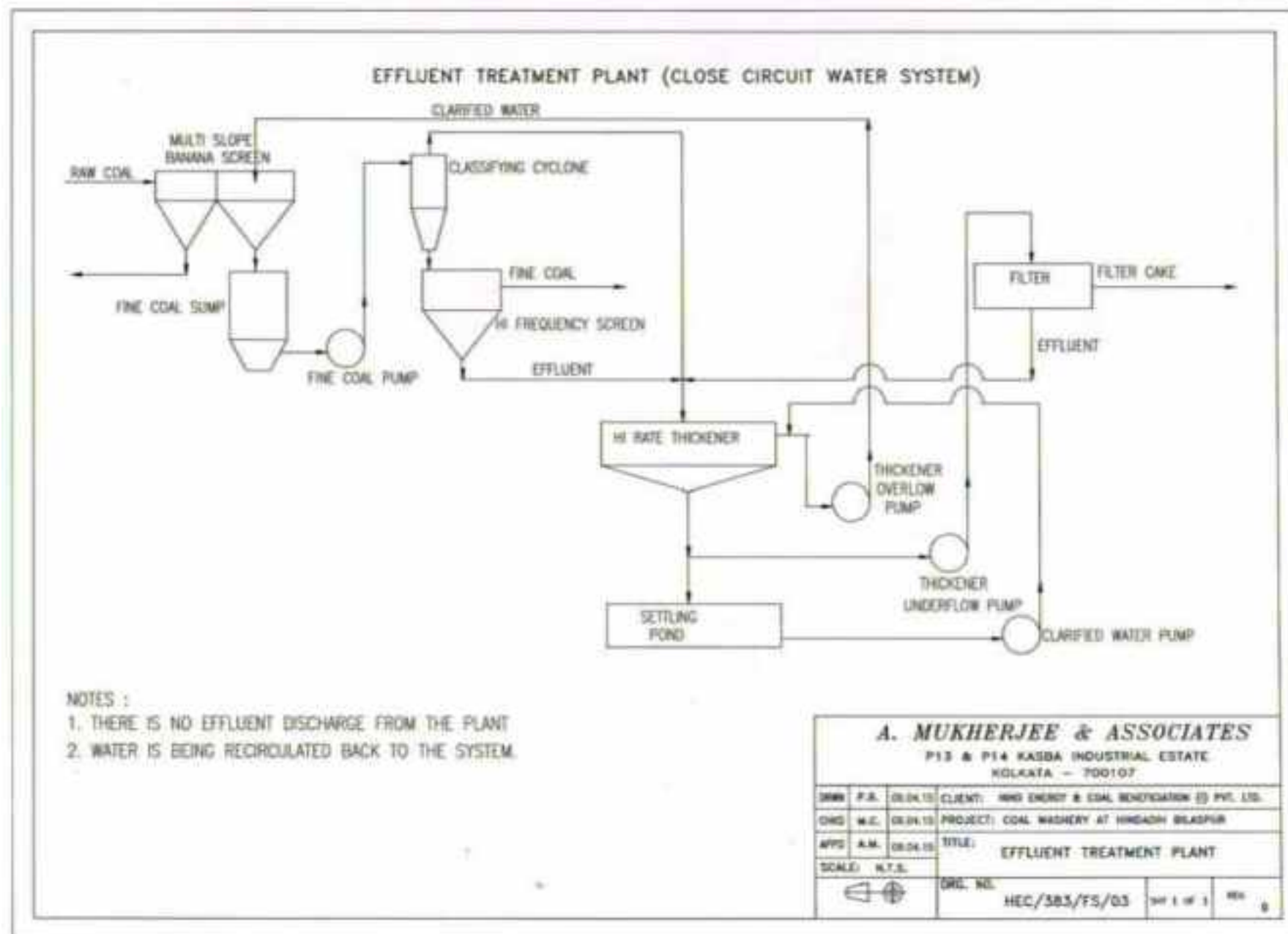
Yours sincerely

For, Hind Energy & Coal Beneficiation (India) Ltd.,


Pawan Agrawal
Director

Due to size constrain,
Updated Hydrogeological
report could not be
uploaded.

Effluent Treatment Plant Flow diagram



Ambient Air Quality monitoring has been carried out at Four Locations in the transport route from the Gevra – Kusmunda mines to Plant (i.e. transportation route for Raw Coal from Mines to Plant) for One Month (i.e. during 1st July 2019 to 31st July 2019)

AMBIENT AIR QUALITY MONITORING STATIONS

S.No	STATION	DIRECTION	DISTANCE (in Kms.)	CRITERIA FOR SELECTION
1.	Khamariya	E	5.0	Represents District road, enroute mines
2.	Baloda	EES	14.0	Represent densely populated area, enroute mines
3.	Burgahan	NE	19.5	Represents rural area, enroute mines
4.	Hardi Bazaar	NE	27.0	Represent densely populated area, enroute mines

Table No. 1

Sampling Location: Khamariya Unit : $\mu\text{g}/\text{m}^3$			Sampling Period: 1 st July 19 to 31 st July 19	
Parameter	Maximum	Minimum	98 th percentile	Standard as per NAAQS
PM _{2.5}	30.7	27.8	30.5	60
PM ₁₀	51.2	46.3	51.2	100
SO ₂	17.6	15.9	17.7	80
NO _x	19.8	16.5	19.6	80
CO	630	550	630	2000

Table No. 2

Sampling Location: Baloda Unit : $\mu\text{g}/\text{m}^3$			Sampling Period: 1 st July 19 to 31 st July 19	
Parameter	Maximum	Minimum	98 th percentile	Standard as per NAAQS
PM _{2.5}	35.2	31.9	35.1	60
PM ₁₀	58.6	53.1	58.5	100
SO ₂	19.6	16.1	19.6	80
NO _x	22.5	18.3	22.4	80
CO	850	725	850	2000

Table No. 3

Sampling Location: Burgahan Unit : $\mu\text{g} / \text{m}^3$			Sampling Period: 1 st July 19 to 31 st July 19	
Parameter	Maximum	Minimum	98 th percentile	Standard as per NAAQS
PM _{2.5}	26.7	22.4	26.6	60
PM ₁₀	44.6	37.3	44.5	100
SO ₂	15.6	13.3	15.5	80
NO _x	18.1	16.1	18.1	80
CO	560	490	560	2000

Table No. 4

Sampling Location: Hardi Bazaar Unit : $\mu\text{g} / \text{m}^3$			Sampling Period: 1 st July 19 to 31 st July 19	
Parameter	Maximum	Minimum	98 th percentile	Standard as per NAAQS
PM _{2.5}	37.9	35.2	37.8	60
PM ₁₀	63.1	58.6	63.1	100
SO ₂	23.5	19.6	23.5	80
NO _x	25.1	20.5	25.1	80
CO	760	695	760	2000

From the above, it can be interpreted that, ambient air quality in the during the transportation of raw coal from Mines to Plant site are within the NAAQS.

Ambient Air Quality monitoring has been carried out at Four Locations in the transport route from the Plant to Ghatora Railway Siding (i.e. transportation route for Washed Coal from Plant to Ghatora Railway Siding) for One Month (i.e. during 1st July 2019 to 31st July 2019)

AMBIENT AIR QUALITY MONITORING STATIONS

S.No	STATION	DIRECTION	DISTANCE (in Kms.)	CRITERIA FOR SELECTION
1.	Hindadih	SW	1.0	Represents District road, enroute Ghatora RS
2.	Sipat	SW	5.5	Represent near to industry, enroute Ghatora RS
3.	Lagara	SW	11.4	Represents rural area, enroute Ghatora RS
4.	Pharheda	SW	15.0	Represents rural area, enroute Ghatora RS

Table No. 1

Sampling Location: Hindadih Unit : $\mu\text{g}/\text{m}^3$			Sampling Period: 1 st July 19 to 31 st July 19	
Parameter	Maximum	Minimum	98 th percentile	Standard as per NAAQS
PM _{2.5}	29.7	26.5	29.7	60
PM ₁₀	49.5	44.2	49.4	100
SO ₂	18.9	16.3	18.9	80
NO _x	20.8	17.5	20.8	80
CO	610	605	610	2000

Table No. 2

Sampling Location: Sipat Unit : $\mu\text{g}/\text{m}^3$			Sampling Period: 1 st July 19 to 31 st July 19	
Parameter	Maximum	Minimum	98 th percentile	Standard as per NAAQS
PM _{2.5}	41.1	36.7	41.1	60
PM ₁₀	68.6	61.1	68.5	100
SO ₂	22.9	20.6	22.9	80
NO _x	24.8	20.1	24.8	80
CO	720	710	720	2000

Table No. 3

Sampling Location: Lagara Unit : $\mu\text{g} / \text{m}^3$			Sampling Period: 1 st July 19 to 31 st July 19	
Parameter	Maximum	Minimum	98 th percentile	Standard as per NAAQS
PM _{2.5}	28.9	25.9	28.9	60
PM ₁₀	48.3	43.2	48.3	100
SO ₂	17.5	15.2	17.5	80
NO _x	19.2	16.3	19.2	80
CO	595	560	595	2000

Table No. 4

Sampling Location: Pharheda Unit : $\mu\text{g} / \text{m}^3$			Sampling Period: 1 st July 19 to 31 st July 19	
Parameter	Maximum	Minimum	98 th percentile	Standard as per NAAQS
PM _{2.5}	27.2	19.7	27.2	60
PM ₁₀	45.3	32.8	45.3	100
SO ₂	18.3	17.2	18.3	80
NO _x	19.8	18.2	19.8	80
CO	575	510	575	2000

From the above, it can be interpreted that, ambient air quality in the during the transportation of Washed coal from Plant to Ghatora RS are within the limits.



ANACON LABORATORIES PVT. LTD.

ISO 9001:2015, ISO 14001:2015, OHSAS 18001 Certified Organization
Recognized By Ministry of Environment & Forests (MoEF), New Delhi
Accredited By Quality Council of India by NABET - Environment Impact Assessment Studies
Authorised by Food Safety & Standards Authority of India Under FSS Act
Approved by Bureau of Indian Standards (BIS)

STACK EMISSION REPORT

Report No.:-	AN/SE/HECBL/2019-20/161-1	Report Date:-	28/06/2019
Issued to	M/s HIND ENERGY AND COAL BENEFICATION (I) LTD. Village:- Hindadib, Sipat , Bilaspur (C.G.)-495 001.		
Type of Work :-	Stack Monitoring (June-2019)	Sample Ref.No. :-	1920/Mon-119-1
Sample Drawn By :	Anacon Representative	Sample Received Date	24.06.2019
Date of Analysis :-	25.06.2019	Testing Period	01 Day

Sr. No.	Parameters	Units	Rotary Breaker
1.	Date of Sampling	-	21 st June-2019
2.	Stack height	m	30
3.	Shape of Stack	-	Round
4.	Stack diameter	m	0.4064
5.	Flue gas Temperature	°C	36
6.	Flue Gas Velocity	m/sec	6.72
7.	Flow of exit gas at stack temp. & Press.	m ³ /hr	3138.49
8.	Flow of exit gas at NTP	Nm ³ /hr	3026.76
9.	Particulates Matter (PM)	mg /Nm ³	21.8

Thanks for utilizing our services.

Chemist: Sher

Ray J. Danker
Authorized Signatory

**TEST REPORT****ANACON LABORATORIES PVT. LTD.**

ISO 9001:2015, ISO 14001:2015, OHSAS 18001 Certified Organization,
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Accredited By Quality Council of India by NABET - Environment Impact Assessment Studies
Authorized by Food Safety & Standards Authority of India Under FSS Act
Approved by Bureau of Indian Standards (BIS)

STACK EMISSION REPORT

Report No.:-	AN/SE/HECBIL/2019-20/161-2	Report Date:-	28/06/2019
Issued to	M/s HIND ENERGY AND COAL BENEFICATION (I) LTD. Village:- Hindadih, Sipat , Bilaspur (C.G.)-495 001.		
Type of Work :-	Stack Monitoring (June-2019)	Sample Ref.No. :-	1920/Mon-119-2
Sample Drawn By :	Anacon Representative	Sample Received Date	24.06.2019
Date of Analysis :-	25.06.2019	Testing Period	01 Day

Sr. No.	Parameters	Units	Search Bunker
1.	Date of Sampling	-	21 st June-2019
2.	Stack height	m.	30
3.	Shape of Stack	-	Round
4.	Stack diameter	m	0.508
5.	Flue gas Temperature	°C	31
6.	Flue Gas Velocity	m/ sec	6.04
7.	Flow of exit gas at stack temp. & Press.	m ³ /hr	4405.96
8.	Flow of exit gas at NTP	Nm ³ /hr	4319.00
9.	Particulates Matter (PM)	mg /Nm ³	17.4

Thanks for utilizing our services.

Chemist- *S. S. Sufi*

Pragya
Authorized Signatory

**TEST REPORT****ANACON LABORATORIES PVT. LTD.**

ISO 9001:2015, ISO 14001:2015, OHSAS 18001 Certified Organization.
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Approved by Bureau of Indian Standards (BIS)

STACK EMISSION REPORT

Report No.:-	AN/SE/HECBIL/2019-20/161-3	Report Date:-	28/06/2019
Issued to	M/s HIND ENERGY AND COAL BENEFICATION (I) LTD. Village:- Hindadih, Sipat, Bilaspur (C.G.)-495 001.		
Type of Work :-	Stack Monitoring (June-2019)	Sample Ref.No. :-	1920/Mon-119-3
Sample Drawn By :	Anacon Representative	Sample Received Date	24.06.2019
Date of Analysis :-	25.06.2019	Testing Period	01 Day

Sr. No.	Parameters	Units	Bag Filter
1.	Date of Sampling	-	21 st June-2019
2. -	Stack height	m	4.15
3.	Shape of Stack	-	Round
4.	Stack diameter	m	2.45
5.	Flue gas Temperature	°C	34
6.	Flue Gas Velocity	m/ sec	5.03
7.	Flow of exit gas at stack temp. & Press.	m ³ /hr	85391.47
8.	Flow of exit gas at NTP	Nm ³ /hr	82888.13
9.	Particulates Matter (PM)	mg /Nm ³	11.6

Thanks for utilizing our services.

Chemist:- *snaf*
Authorized Signatory

RO, Compliance Certificate



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FORESTS &
CLIMATE CHANGE

Regional Office (WCZ)
Ground Floor, East Wing
New Secretariat Building
Civil Lines, Nagpur - 440001
apoccentral-npp-mef@gov.in

F. No: 3-34/2008(ENV)/4921

Dated: 8th February, 2019

To

The Scientist 'E'
IA Division (Industry),
Ministry of Environment, Forest & Climate Change
Vayu Wing, 3rd Floor, Indira Paryavaran Bhawan,
Aliganj, Jorbagh Road,
New Delhi-110003 Email: sk.smree55@nic.in

(Kind Attention: Shri S.K. Srivastava, Scientist E)

Sub: Closure report on the status of compliance of conditions stipulated in the environment clearance dated 21st May, 2014 accorded by MoEF&CC in respect of of M/s Hind Energy & Coal Beneficiation (India) Ltd. located at Village Hindadih, Tehsil Masturi, District Bilaspur (Chhattisgarh)-reg.

Ref:

- Environmental Clearance letter No J-11015/364/2009 IA II (M) dated 21st May, 2014
- Certified Compliance report issued by Regional Office, MoEF&CC, Nagpur vide letter 3-34/2008 (Env) dated 19th July, 2016
- Re-Certified Compliance report issued by Regional Office, MoEF&CC, Nagpur vide letter No. 3-34/2008 (Env)/3305 dated 21.02.2018
- Action Taken Report submitted by Project Proponent vide letter dated 14th May, 2018.
- Six monthly compliance report submitted vide dated 16th August, 2018
- MoEF&CC, Regional Office, Nagpur letter No. F.No.3-25/2014(ENV)/4010 dated 01.08.2018
- Project Proponent's letter No nil dated 19th January, 2019

Sir,

I am directed to invite your kind attention on the above subject and letters under reference. The project was monitored in the year 2016 & 2018 and Certified Compliance Report was issued by Regional Office, MoEF&CC, Nagpur on 19th July, 2016, 21st February, 2018 respectively. Project Proponent vide letter No nil dated 19th January, 2019 submitted

Closure report in respect of M/s Hind Energy and Coal Beneficiation (India) Ltd.

the Action Taken Report against the non/partial compliances observed during site inspection under reference (iii). In this connection, it is to inform you that a visit for the monitoring of compliance of non/partially complied conditions observed in the re-certified compliance report dated 21.02.2018 has been conducted by Scientist of the Regional Office on 31st January, 2019. Major findings during the monitoring are given as under.

- (i) EC for **2.4 MTPA (dry type)** was obtained vide letter No.J-11015/190/2007-IA-II(M) dated 24.06.2008
- (ii) Further, EC expansion was obtained for addition of **1.2 MTPA (wet type)** in addition to **2.4 MTPA (dry type)** coal washery with a combined capacity of **3.6 MTPA (2.4 MTPA dry + 1.2 MTPA wet)** in the total area of 11.09 Ha Located at Village Hindadih, Tehsil Masturi, District Bilaspur (Chhattisgarh) to M/s Hind Energy & Coal Beneficiation (India) Ltd vide letter No. J-11015/364/2009-IA-II (M) dated 21st May, 2014.
- (iii) Consent to Establish has been obtained vide letter No. 3666/TS/CECB/2014 dated 22.09.2014
- (iv) Renewal of Consent to Operate under Air and Water Act has been obtained from CECB on 30.08.2018 which is valid upto 27.09.2021
- (v) MOEF&CC, Regional Office, Nagpur had issued Certified Compliance report vide letter 3-34/2008 (Env) dated 19th July, 2016
- (vi) MOEF&CC, RO, Nagpur had issued Re-Certified Compliance report issued by Regional Office, MoEF&CC, Nagpur vide letter No. 3-34/2008 (Env)/3305 dated 21.02.2018
- (vii) Now, PP proposed for **Change in technology** from **2.4 MTPA (dry type)** to **2.4 MTPA (wet type)** coal washery keeping **1.2 MTPA existing (Wet Type)** making a combined capacity of **3.6 MTPA (wet type)** of coal washery in a total area of 11.09 ha of M/s Hind Energy and Coal Beneficiation (India) Ltd. at Village Hindadih, Tehsil Masturi, District Bilaspur (Chhattisgarh) MOEF&CC New Delhi for which MOEF&CC granted TOR vide letter No. J-11015/364/2009-IA-II (M) dated 11th February, 2016

2. The present status on non/partially complied conditions observed in the re-certified compliance report dated 21.02.2018 are reported to be as under:

S. No.	Condition No.	Status of compliance of EC conditions reported to be not complied with by the PP as per Re-CCR dated. 21.02.2018	Action Taken / Current Status as on 31.01.2019
1.	Specific Condition No. i, xvi and xix	The PP has informed they have approached M/s. Tata Motors to manufacture mechanically covered trucks, however Tata Motors has expressed its inability to provide mechanically covered trucks. The PP has also informed that they have approached others	Complied. PP has obtained letter from M/s. Tata Motors confirming that they are not manufacturing the mechanically covered trucks (Annexure-1).

Closure report in respect of M/s Hind Energy and Coal Beneficiation (India) Ltd.

		dealers also, however, most of them have expressed their inability to manufacture such trucks.	
2.	Specific Condition No. xxiv	The PP has made available the analysis report on the heavy metal content in raw coal, washed coal. However, no analysis report pertaining to the year, 2017 was made available by the PP.	Complied. PP has submitted latest analysis report of heavy metal content in Raw coal & Washery Coal (Annexure-2)
3.	General Condition No. xi and other condition No. 9	Environment cell has been setup by the PP. A copy of organization chart of the environment management cell, as made available by the PP is enclosed at Annexure-III. However, it was observed a graduate from the field of Environment has been employed to look into to compliance of environment conditions, while no senior executive from the field from the environment/science has be observed to be employed by the PP.	Complied. A separate Environment Cell has been established which is headed by Mr. Shailesh Kumar Singh, Senior Executive. His qualification is M.Sc. Chemistry (Environment) and Mr. Jitendra Kumar (B.Sc. Environmental Science). (Annexure-3)
4.	General Condition No. xvi	Compliance report upto January 2016 to June 2016 has been observed to be uploaded on the website on the company. No compliance reports pertaining to the year of the 2017 have been observed to be uploaded on the website of the company. Further, no arrangement were observed to be made by the PP to display environment quality data on their main gate.	Complied. PP informed that hard copies of Six-monthly compliance report pertaining to the periods July, 2016 to December, 2016, January, 2017 to June, 2017 and July, 2017 to December, 2017 have been sent to RO, MoEF&CC, Nagpur through courier. However same were not uploaded in the company's website, due to unawareness. However same is now uploaded on company's website. PP have made arrangement (i.e. Display board) for displaying monitoring data of environmental quality parameter at the entrance of main gate (Annexure-4).

5.	Specific Condition No. ii	It was observed that PP has developed their own nursery to the increase the green belt in their area. Greenbelt in the area contiguous to the coal washery settling tank and nursery has the scope of plantation. Further, gaps in the existing plantation in the coal washery area, stock yard, parking area needs to be filled by the undertaking gap plantation and their proper maintenance.	Being Complied Greenbelt density has been increased in the phase wise manner. Till date about 7500 Nos. of trees and shrubs are planted within plant premises. Road side plantation is also been done at approach roads consisting of 2500 Nos. of tree and shrubs. (Annexure-5)
6.	Specific Condition No. ix	As per detail made available by the PP, an amount of Rs. 96,58,250/- has been incurred on the CSR from 2014 to 2016. However, no details pertaining to the CSR activities undertaken from 2016 onward was made available by the PP.	Complied. PP informed that till date an amount of Rs. 2,64,32,723 has been incurred towards CSR (Annexure-6) .
7.	Specific Condition No. xiii	No maintenance work of the roads was observed to be undertaken by the PP. Conditions of approach road was observed to be very poor. Water sprinkling system needs to be further improved as the existing system of water sprinkling was observed to be inadequate to check the dust emission. Further approach road earmarked for the small vehicle also needs to be provided with suitable water sprinkling arrangements.	Being Complied It is observed that approach road has been made compacted and cemented. All internal roads are concretized and plantation has been done along the road side, where ever possible (Annexure-7) . Additional water sprinklers have been provided to control the dust emission (Annexure-8 for work order pertaining to new water sprinkler and photographs showing the same).
8.	Specific Condition No. xiv	Parking area needs to be maintained effectively. Better housekeeping practices needs to be adopted by the PP to check the fugitive emissions from the plying of vehicles. Spillage enroute was observed during the inspection.	Being Complied Parking area has been maintained effectively. Additional water sprinklers have been provided to control the dust emission. (Annexure-8 for work order pertaining to new water sprinkler and photographs showing the same).

			All Vehicles are being covered with tarpaulins and same practice will be continued to avoid spillage of material en-route.
9.	Specific Condition No. xv	No details pertaining to the record maintained by the PP pertaining to quantum of ash content in raw coal, washed coal was made available by the PP.	Complied. Records are maintained regularly at plant and also uploaded on the company website i.e. www.hindenergy.com . (Annexure-9)
10.	General Condition No. vii	Details on the monitoring the emission of vehicles pertains upto April, 2014. No details pertaining to record maintained by the PP from April 2017 onwards till date was made available during the inspection.	Complied. PP has made available latest PUC certificate of vehicles (Annexure-10)
11.	General Condition No. xii	As per details made available by the PP an amount of Rs.9,34,450/- has been incurred on environment protection measures. Consolidated details has been provided by the PP and same is enclosed at Annexure - V	Complied. An amount of Rs. 41,83,602/- has been incurred on the environment protection measures till date. (Annexure-11 for consolidated details incurred on the environment protection measures till date)
12.	General Condition No. xiii	The PP has submitted due to postal delay in receiving the environment clearance the time limit of 7 days cannot be adhered to. However, details regarding date of receipt of the environment clearance by post from the Ministry has not been made available by the PP.	Complied. PP made available paper advertisement pertaining to the receipt of the Environment Clearance (Annexure -12)
13.	General Condition No. xiv	No details pertaining to the communication made with local gram panchayat for forwarding EC was made available by the PP.	Complied. A copy of acknowledgement from Gram Panchayat pertaining to intimation of receipt of EC has been made available (Annexure-13)
14.	Other Observations No.2	Data pertaining to the Ambient Air Quality Monitoring is not being uploaded on the website of MoEF&CC	Complied. PP informed that Ambient Air Quality (AAQ) monitoring is being


			carried out regularly and data being uploaded on the MoEF&CC website as a part of Six-monthly EC compliance (Annexure -14)
15.	Other Observations No.4	<p>It was observed that the PP has constructed no ETP and STP in their premises for the treatment of effluents and domestic waste. The PP has informed that water laden with coal dust is transported into settling tanks and there after filtering out coal, the same is used again in the washing process. The coal dust generated has been reported to the sold to industry especially to the power plant. Further, as the water laden with coal dust also observed with oil components, the PP should make arrangement for oil separator or ETP. Further, the water drained from the administrative building and certain parts of coal handling area is again observed to be assessed through a settling tank and thereafter it is discharged directly into the pond constructed by the PP within their premises without any treatment. No test reported pertaining to the analysis of the water being for effluent /BOD/COD, heavy metals etc. was made available by the PP. It was also observed the storm water from the entire premises of the PP is stored into the said pond. No separate drainage for storm water and industrial waste water was observed to be constructed by the PP.</p>	<p>Being Complied.</p> <p>PP has provided oil separator for removal of oil component in the wastewater.(Annexure-15)</p> <p>Septic tank followed by sub-surface dispersion trench is provided for treatment of domestic wastewater. (Annexure -16)</p> <p>Analysis reports of process wastewater and sanitary wastewater is being carried out regularly (Annexure -17)</p> <p>Separate drainage for storm water and industrial waste water is provided.(Annexure -18)</p>

3. The PP has informed that no court case in any court of law is pending against their project.

This issues with the approval of the Addl. PCCF (Central), Regional Office (West Central Zone), MoEF&CC, Nagpur

Encl: as above

Yours faithfully,


(Dr. P.R. Sakhare)
Scientist 'D'

Copy to:

- (i) Director RO HQ, Ministry of Environment, Forest & Climate Change, Government of India, 1st Floor Agni Wing, IPB, Jorbagh Road, New Delhi- 110003
- (ii) Member Secretary, State Level Environment Impact Assessment Authority & Secretary Housing and Environment Department, Government of Chhattisgarh, Mantralay Mahanadi Bhavan, New Raipur (Chhattisgarh)
- (iii) Director (Monitoring Cell), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Allganj, Jorbagh Road, New Delhi-110003
- (iv) The Director, M/s Hind Energy & Coal Beneficiation (India) Ltd. Hind House, Sai Parisar Commercial Complex, Shri Kant Verma Marg, Bilaspur (Chhattisgarh) 495001 (Email: hec@hindenergy.com) -with a request to forward your letter dated 19.01.2019 along-with the enclosures to Shri S K Srivastava, Scientist E, MOEF&CC, New Delhi- 110003
- (v) Guard File


(Dr. P.R. Sakhare)
Scientist 'D'