

No. J-11015/410/2013-IA.II (M)
Government of India
Ministry of Environment, Forest and Climate Change
IA-II (Coal Mining) Division

Indira Paryavaran Bhawan,
Jorbagh Road, N Delhi - 3
Dated: 18th June, 2018

To,

M/s Hind Multi Services Pvt. Ltd,
1st Floor, Shree Sai Parisar Commercial Complex,
Shri Shrikant Verma Marg, Bilaspur
Bilaspur - 495 001 (Chhattisgarh)

Email: hec@hindenergy.com, info@hindenergy.com

Sub: Coal Washery of 2.5 MTPA of M/s Hind Multi Services Pvt. Ltd in an area of 10.11 ha located in District Bilaspur (Chhattisgarh) - Environmental Clearance - reg.

Sir,

This has reference to your letter No. HMSPL/EC-MOEF/16-17/01 dated 9th July, 2016 along with online proposal No. IA/CG/CMIN/20270/2013 dated 11th July, 2016 and subsequent letters dated 21.07.2016, 28.07.2016, 19.12.2017, 08.01.2018, 08.02.2018, 14.02.2018, 15.02.2018 and 01.03.2018 on the above-mentioned subject.

2. The Ministry of Environment, Forest and Climate Change has considered the proposal for grant of environmental clearance to the project for Coal Washery of 2.5 MTPA of M/s Hind Multi Services Pvt Ltd in an area of 10.11 ha located in District Bilaspur (Chhattisgarh).

3. The proposal was considered by the Expert Appraisal Committee (EAC) in the Ministry for Thermal & Coal Mining Sector in its 61st meeting held on 28-29 July, 2016 and 26th meeting held on 15-16 February, 2018. 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 was accorded ToR vide letter dated 30th December, 2014.
- (ii) Latitude and longitude for the project site are:

Corner No.	Latitude	Longitude
	Office, Weigh Bridge & Railway Siding	
1.	22°3'40.72" N	82°14'26.12" E
2.	22°3'33.40" N	82°14'22.93" E
3.	22°3'33.49" N	82°14'21.50" E
4.	22°3'35.33" N	82°14'21.15" E
5.	22°3'41.77" N	82°14'21.72" E
	Plant Premises	
1.	22°3'39.4" N	82°14'04.5" E
2.	22°3'38.4" N	82°14'07.7" E
3.	22°3'35.2" N	82°14'09.2" E
4.	22°3'38.4" N	82°14'11.5" E
5.	22°3'42.0" N	82°14'13.2" E

Washery 2.5 MTPA by Hind Multi Services 410_2013EC

संरपच
ग्राम पंचायत - गतीरा
जनपद पंचायत - गरतुरी
जिला - बिलारापुर (छ.ग.)

6.	22°3'37.2" N	82°14'13.2" E
7.	22°3'33.0" N	82°14'09.0" E
8.	22°3'24.8" N	82°14'06.4" E
9.	22°3'24.8" N	82°14'00.4" E
10.	22°3'31.6" N	82°14'00.8" E

- (iii) There is no joint venture.
- (iv) M/s Hind Multi Services Pvt. Ltd has made MoU with M/s R.K.M. Powergen Pvt. Ltd. located at Ucchpinda, District Janjgir Champa (Chhattisgarh) for washing of 2.5 MTPA raw coal
- (v) MoUs has been made with Prakash Industries Limited for utilization of washery rejects, with the details as under:-

S. No.	Name of the Industry	Location	MoU Capacity
1.	M/s R.K.M. Powergen Pvt. Ltd.	Village Ucchpinda, District Janjgir Champa (Chhattisgarh)	Washery of 2.5 MTPA raw coal
2.	M/s Prakash Industries Ltd.	Village Champa, District Janjgir, Champa, Chhattisgarh	Purchase of 0.5 MTPA washery reject coal

- (vi) Employment generated / to be generated: It is estimated to employ direct / indirect employment of 100 people of various skills.
- (vii) Benefits of the project: The proposed project of coal washery at Gatora village would provide development of area and consequent indirect and direct job opportunities which would finally result in improvement in the quality of life of people in the central region and especially in the area around the coal washery site.
- (viii) The land usage of the project will be as follows:

Sr. No.	Description	Area (in acres)	%
1	Plant Area	4.50	18
2	Storages Area		
2.1	Raw Coal	2.00	8
2.2	Washed Coal	1.60	6.4
2.3	Reject	1.50	6
3	Green Belt	8.40	33.6
4	Road Area	2.00	8
5	Parking Area	1.00	4
6	Slime Pond	1.50	6
7	Storm Water Settling Pond	1.00	4
8	Auxiliary Buildings & Others (admin, Building, Workshop, Canteen, Security Office, First Aid Centre)	1.00	4
9	Stores Area	0.50	2
Total		25.0	100

- (ix) The washery operation shall be a closed system with wagon loading arrangement
- (x) The data for ambient air quality for one month has been documented and all results at all stations are within prescribed limits.
- (xi) Transportation: Raw coal will be transported by both mode i.e. Rail and Road. Washed coal shall be transported from Gatora railway siding. Reject Coal will be dispatched through Road/Rail depending upon quantity and location of consumer.

- (xii) There is no R & R involved. There are no PAFs.
- (xiii) Total capital cost of the project is Rs. 41 Crores. CSR Cost: 33 Lakhs. Environmental Management Cost (Capital cost Rs.391.7 Lakh, annual recurring cost Rs.104.0 Lakh).
- (xiv) Kharang river flows at a distance of 2.1 km W and Arpa River flows at 2.5 km SW. Daily water requirement of 1000 cum/day for the proposed plant is to be met from Kharang River. Department of Water Resources, Government of Chhattisgarh vide letter No 1314/F4-128/S-2/31OJP/09 dated 26th February, 2018 has confirmed allocation of surface water @ 0.33 MCM per year from the Kharang river.
- (xv) There are no national Parks, wildlife sanctuary, biosphere reserves in 10 km study area.
- (xvi) There is no forest area involved in the project site.
- (xvii) Total afforestation plan shall be implemented covering an area of 3.23 ha. Green Belt over an area of 3.23 ha. Density of tree plantation 2000 trees/ ha of plants.
- (xviii) There are no court cases/violation pending with the project proponent.
- (xix) Public Hearing was held on 28th August, 2015 at Government Middle School, village Karra, Tehsil Masturi, District Bilaspur (Chhattisgarh). The issues raised during the public hearing include coal dust, pollution of water bodies, impact on agriculture etc.

4. The Expert Appraisal Committee in its 26th meeting held on 15-16 February, 2018 has recommended the proposal for grant of environmental clearance. Based on recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for **Coal Washery of 2.5 MTPA of M/s Hind Multi Services Pvt Ltd in an area of 10.11 ha located in District Bilaspur (Chhattisgarh)**, and under the provisions of the Environment Impact Assessment Notification, 2006 and subsequent amendments/circulars thereto subject to the compliance of the terms & conditions and environmental safeguards mentioned below:-

A. Specific Conditions

- (i) The maximum production from the coal washery at any given time shall not exceed the limit as prescribed in the EC.
- (ii) The project proponent shall obtain consent to establish from the State Pollution Control Boards of Chhattisgarh for the coal washery of 2.5 MTPA prior to commencement of the industrial operations.
- (iii) Transportation of raw coal, washed coal and the rejects shall be through rail.
- (iv) The technology so chosen for the washery should conform to 'Zero Liquid Discharge'.
- (v) Efforts shall be made for utilizing alternate sources of surface water, abandoned mines or else whatsoever and thus minimizing the dependability on a single source.
- (vi) Disposal of washery rejects shall be environment friendly and strictly in accordance with the extant policy and guidelines.
- (vii) Thick green belt of adequate 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.
- (viii) Total fresh water requirement shall be <1.5 cum/tonne of raw coal.
- (ix) Withdrawal of water from river should not exceed 15% of the monthly flow during the lean season.

B. General Conditions

(a) Coal beneficiation

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

(ii) 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.

(iii) 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.

(b) Land Management and Water Conservation

(i) 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.

(ii) 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.

(iii) Coal stacking plan shall be prepared separately for raw coal, clean coal, middling and rejects.

(iv) Waste Water shall be effectively treated and recycled completely either for washery operations or maintenance of green belt around the plant.

(v) Rainwater harvesting in the washery premises shall be implemented for conservation and augmentation of ground water resources in consultation with Central Ground Water Board.

(c) Emissions, Effluents, and Waste Disposal

(i) 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.

(ii) 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. .

(iii) 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.

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

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(v) 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.

(vi) 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.

(vii) 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.

(viii) 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.

(ix) 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.

(x) Heavy metal content in raw coal and washed coal shall be analysed once in a year and records maintained thereof.

(xi) 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.

(xii) 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.

(xiii) The temporary reject sites should appropriate planned and designed to avoid air and water pollution from such sites.

(d) Illumination, noise & vibration

(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) 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.

(iii) Controlled blasting techniques shall be practiced in order to mitigate ground vibrations, fly rocks, noise and air blast etc. as per the guidelines prescribed by the DGMS.

(iv) 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.

(e) Occupational health & safety

(i) 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.

(ii) 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.

(f) Ecosystem and biodiversity conservation

(i) The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered/endemic flora/fauna, if any, spotted/reported in the study area. The Action plan in this regard, if any, shall be prepared and implemented in consultation with the State Forest and Wildlife Department.

(ii) 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.

(g) Public Hearing, R&R and CSR

(i) 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.

(ii) The project proponent shall ensure the expenditure towards socio-economic development in and around the mine, in every financial year in pursuance of the Corporate Social Responsibility Policy as per the provisions under Section 135 of the Companies Act, 2013.

(iii) The project proponent shall follow the mitigation measures provided in this Ministry's OM No.Z-11013/5712014-IA.I1 (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'.

(iv) 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.

(h) Corporate environment responsibility

(i) The Company shall have a well laid down environment policy duly approved by Board of Directors. The environment 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 or forest norms/conditions. Also, the company shall have a defined system of reporting of non-compliances/violations of environmental norms to the Board of Directors and/or shareholders/stakeholders.

(ii) The project proponent shall comply with the provisions contained in this Ministry's OM dated 1st May, 2018, as applicable, regarding Corporate Environment Responsibility.

(iii) A separate environmental management cell both at the project and company headquarter level, with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Board level executive/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) Statutory Obligations

(i) This environmental clearance shall be subject to obtaining Forest and Wildlife Clearance, if applicable.

(ii) The project proponent shall obtain Consent to Establish/Operate under the Air Act, 1981 and the Water Act, 1974 from the concerned State Pollution Control Board.

(iii) The project proponent shall obtain the necessary permission from the Central Ground Water Authority (CGWA), if applicable.

(j) Monitoring of project

(i) 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.



(ii) The Ambient Air Quality monitoring in the core zone shall be carried out to ensure the Coal Industry Standards notified vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board. Data on ambient air quality and heavy metals such as Hg, As, Ni, Cd, Cr and other monitoring data shall be regularly reported to the Ministry/Regional Office and to the CPCB/SPCB.

(iii) 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.

(iv) 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.11 (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for compliance.

(v) 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.

(vi) 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.

(vii) The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental conditions to the MOEFCC/RO. For half yearly monitoring reports, the data should be monitored for the period of April to September and October to March of the financial years.

(viii) 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.

(k) Miscellaneous

(i) Efforts should be made to reduce energy consumption by conservation, efficiency improvements and use of renewable energy.

(ii) The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.

(iii) A copy of the environmental clearance shall be marked to concerned Panchayat. A copy of the same shall also be sent to the concerned State Pollution Control Board, Regional Office of the MOEFCC, District Industries Centre and Collector's Office/Tehsildar Office for information in public domain within 30 days.

(iv) The EC shall be uploaded on the company's website. The compliance status of the stipulated EC conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as to bring the same in public domain.

(v) The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the

issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of this Ministry at www.environmentclearance.nic.in and a copy of the same shall be forwarded to the Regional Office.

(vi) The environmental statement for each financial year ending 31st March in Form-V is mandated to be submitted by the project proponent for the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the Company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF&CC by e-mail. Concerns raised during public hearing.

(vii) Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in revocation of this EC and attract action under the provisions of Environment (Protection) Act, 1986.

(viii) The above conditions will 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 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.

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18/6/2018
(S. K. Srivastava)
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Copy to:

1. The Secretary, Ministry of Coal, Shastri Bhawan, New Delhi
2. The Secretary, Department of Environment & Forests, Government of Chhattisgarh, Secretariat, Raipur
3. The APCCF, Ministry of Environment Forest and Climate Change, Regional Office (Western Central Zone), Ground Floor, East Wing, New Secretariat Building Civil Lines, Nagpur (Maharashtra)
4. The Member Secretary, Chhattisgarh State Environment Conservation Board, 1-Tilak Nagar, Shiv Mandir Chowk, Main Road, Avanti Vihar, Raipur-Chhattisgarh- 492001.
5. The Member Secretary, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, New Delhi -110032.
6. The Member-Secretary, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, New Delhi.
7. The District Collector, Bilaspur, Government of Chhattisgarh.
8. Monitoring File 9. Guard File 10. Record File. 11. Notice Board

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18/6/2018
(S. K. Srivastava)
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