UPDATED FORM-I

(I) Basic Information

S.N.	ITEM	DETAILS
1.	Name of the projects	Change in technology from Rotary Kiln to Vertical Shaft Kiln for production of 500 TPD clinker and 500 TPD Cement grinding (closed circuit) at Dag 141, 142, 143, 144, 145, 146 & 151 of K.P. Patta No. 3, 19, 21 & 9, Village Ambher, 12th Mile, Jorabat, Mouza Sonapur, District Kamrup, Assam by K. R. Associates
2.	S.No.in the schedule	**A, 3(b)**
3.	Proposed capacity/area/length/tonnage to be handled/command area/lease area/number wells to be drilled	Proposed Change in technology from Rotary Kiln to Vertical Shaft Kiln for production of 500 TPD clinker and 500 TPD Cement grinding (closed circuit)
4.	New/Expansion/Modernization	Proposed change in technology from Rotary Kiln to Vertical Shaft Kiln
5.	Existing Capacity/Area etc.	500 TPD Clinker and 500 TPD Cement as per EC Letter No. F. No. J-11011/139/2015-IA-II (I) Dated 30/03/2017.
6.	Category of Project i.e. 'A' or 'B'	A
7.	Does it attract the general Condition? If yes, please specify.	Yes. Amchang Wildlife Sanctuary and Inter state boundary of Assam & Meghalaya located within 5 km radius.
8.	Does it attract the specific condition? If yes, Please Specify.	No
9.	Location	
	Plot/Survey/Khasra No.	*Dag Nos*.: 141, 142, 143, 144, 145, 146 *Patta No*.: 3, 19, 21 & 9
	Village	Ambher
	Tehsil	*Mouza:* Sonapur
	District	Kamrup- 793 101
	State	Assam
10.	Nearest railway station/airport along with Distance in kms	*Railway Station*: Guwahati at around 17 km *Airport*: Guwahati at 30 km
11.	Nearest Town, city, District Headquarters Along with distance in kms.	*Town*: Guwahati at around 17 km *City*: Guwahati at around 17 km *District Headquarters*: Guwahati at around 24 km
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal	*Village Panchayats:* Ambher President: *Maheswar Inglang*

UPDATED FORM-I

S.N.	ITEM	DETAILS
	addresses with telephone no's to be given)	Post. Address: *15th Mile, G. S. Road, Byrnihat* *D*is. Kamrup (M), Assam Ph.No.: Not Available *Zilla Parishad*: Kamrup Post. Address: Near High Court , Guwahati Ph. No.: Not Available
13.	Name of the applicant	Mrs. Kiran Kayal
14.	Registered address	Name : Mrs. Kiran Kayal Designation: Partner Postal Add.: House No.:62, bye Lane No.: 2, ABC, G.S. Road, Guwahati, Assam-781005. Phone : (0361)2460020 Mobile : +919954008252 E-mail : ishaanmodi16@gmail.com
15.	Address for correspondence	
	Name	Mrs. Kiran Kayal
	Designation(Owner/Partner/CEO)	Partner
	Address	House No.:62, bye Lane No.: 2 ABC, G.S. Road, Guwahati, Assam- 781005
	Pin Code	781 005
	E-mail	ishaanmodi16@gmail.com
	Telephone No.	(0361)2460020
	Fax No.	(0361)2451757
16.	Details of Alternative Sites examined if any. Location of these sites should be shown on a topo sheet.	None
17.	Interlinked Project	None
18.	Whether separate application of interlinked project has been submitted?	- Not Applicable -
19.	If yes, date of submission	- Not Applicable -
20.	If no, reason	- Not Applicable –
21.	Whether the proposal involves approval/clearance under: if yes, details of the same and their status will be given (a) The Forest (Conservation) Act, 1980? (b) The Wildlife (Protection) Act, 1972? (c) The C.R.Z. Notification, 1991?	- Not Applicable -
22.	Whether there is any Government Order/Policy relevant/relating to the site?	None

UPDATED FORM-I

S.N.	ITEM	DETAILS
23.	Forests land involved (hectares)	None
24.	Whether there is any litigation pending against the project and/or land in which the project is proposed to be set up? (a) Name of the Court (b) Case No. (c) Order/Directions of the Court, if any and its relevance with the proposed project.	No litigation pending against the project and/or land in which the project is proposed to be set up.
25.	Cost of the project	Rs. 76 crores (Clinker Rs. 50 crores and Cement Grinding Rs. 26 crores)

(II) Activity

1. Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	No	Around 2.68 ha of private land acquired.
1.2	Clearance of existing land, vegetation and buildings?	No	- Not Applicable -
1.3	Creation of new land uses?	No	- Not Applicable -
1.4	Pre-construction investigations e.g. bore houses, soil testing?	No	- Not Applicable -
1.5	Construction works?	No	- Not Applicable -
1.6	Demolition works?	No	- Not Applicable -
1.7	Temporary sites used for construction works or housing of construction workers?	No	- Not Applicable -
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations.	No	- Not Applicable -
1.9	Underground works including mining or tunneling?	No	- Not Applicable -
1.10	Reclamation works?	No	- Not Applicable -
1.11	Dredging?	No	- Not Applicable -
1.12	Offshore structures?	No	- Not Applicable -

UPDATED FORM-I

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
1.13	Production and manufacturing processes?	Yes	Detailed manufacturing process of VSK technology is given in **Annexure-I**.
1.14	Facilities for storage of goods or materials?	Yes	Refer **Annexure-II**.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	Yes	The domestic wastewater will be generated of 6.4 KL/day. It will be treated through septic tank and disposed off through soak pit/well. There will be no any process waste water generation from the proposed plant.
1.16	Facilities for long term housing of operational workers?	No	- Not Applicable -
1.17	New road, rail or sea traffic during construction or operation?	Yes	During operation road traffic will be increase nominal due to transportation of raw materials and finish goods
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	Proposed site is located near The National Highway No. 40 running between Guwahati to Shilong.
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	- Not Applicable -
1.20	New or diverted transmission lines or pipelines?	No	- Not Applicable -
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	No	- Not Applicable -
1.22	Stream crossings?	No	Umtru River at approx 2.6 km from the project site.
1.23	Abstraction or transfers of water form ground or surface waters?	Yes	Ground Water using Borewell located within premises.
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	No industrial waste water shall be generated form the proposed project.
1.25	Transport of personnel or materials for construction, operation or decommissioning?	Yes	All the personnel and raw materials for operation shall be transported by road only.
1.26	Long-term dismantling or decommissioning or restoration works?	No	- Not Applicable -
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	- Not Applicable -

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
1.28	Influx of people to an area in either temporarily or permanently?	No	No additional people employed due to change in technology.
1.29	Introduction of alien species?	No	- Not Applicable -
1.30	Loss of native species or genetic diversity?	No	- Not Applicable -
1.31	Any other actions?	No	- Not Applicable -

2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):

S.No.	Information/checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	Yes	Around 2.68 ha private land has been acquired.
2.2	Water (expected source & competing users) unit**:** KLD	Yes	Refer **Annexure-III.**
2.3	Minerals (MT)	Yes	Refer **Annexure-IV.**
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	No	- Not Applicable -
2.5	Forests and timber (source – MT)	No	- Not Applicable -
2.6	Energy including electricity and fuels (source, competing users) Unit**:** fuel (MT), energy (MW)	Yes	3600 KW from ASEB. In case of emergency 2x600 KVA & 1x250 KVA D. G. Set
2.7	Any other natural resources (use appropriate standard units)	No	- Not Applicable -

3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health.

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	No	No hazardous substances or materials will be used.

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	- Not Applicable -
3.3	Affect the welfare of people e.g. by changing living conditions?	No	- Not Applicable -
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	- Not Applicable -
3.5	Any other causes	No	- Not Applicable -

4. Production of solid wastes during construction or operation or decommissioning (MT/month)

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
4.1	Spoil, overburden or mine wastes	No	- Not Applicable -
4.2	Municipal waste (domestic and or commercial wastes)	No	- Not Applicable -
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	Yes	Spent Oil and Grease will be drain out of gear boxes and from other equipment will be collected and stored separately in drums and sold to authorized recyclers/distributors
4.4	Other industrial process wastes	Yes	Dust collected from Air pollution Control Equipment will be 100% recycled in the process.
4.5	Surplus product	No	- Not Applicable -
4.6	Sewage sludge or other sludge from effluent treatment	No	- Not Applicable -
4.7	Construction or demolition wastes	No	- Not Applicable -
4.8	Redundant machinery or equipment	No	- Not Applicable -
4.9	Contaminated soils or other materials	No	- Not Applicable -
4.10	Agricultural wastes	No	- Not Applicable -
4.11	Other solid wastes	No	- Not Applicable -

UPDATED FORM-I

5. Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr).

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with Approximate quantities/rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	Stack details is enclosed as **Annexure-V**.
5.2	Emissions from production processes	Yes	Process emission in a cement industry can be considered to be mainly suspended particulate matter (SPM) with a considerable proportion being respirable particulate matter. In the proposed plant best control measures will be adopted. Refer **Annexure-V**.
5.3	Emissions from materials handling including storage or transport	No	No such chemicals and Solvent will be used.
5.4	Emissions from construction activities including plant and equipment	Yes	Movement of construction equipment, for these operations as well as for transport of material will lead to increased level of SPM, SO_2, NOx and CO in the surrounding areas, however, emission in the construction activities shall be low in magnitude, temporary in nature and reversible.
5.5	Dust or odours from handling of materials including construction materials, sewage & waste	Yes	The cement plant handles large quantities of solids viz. lime stone, coal, clay, iron dust, Clinker, Fly ash, Gypsum and Cement, which are subjected to various dust generating operations like raw material handling, transferring, crushing, mixing, grinding, packing, etc. These operations generate large quantities of fugitive dust, which would otherwise disperse into the work zone atmosphere and plant surroundings
5.6	Emissions from incineration of waste	No	- Not Applicable -
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	- Not Applicable -
5.8	Emissions from any other sources	No	- Not Applicable -

UPDATED FORM-I

6. Generation of Noise and Vibration, and Emissions of Light and Heat:

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, Wherever possible) with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	Yes	The noise levels near the sources such as raw crusher, material mill, cement mill, ID Fan, etc. is higher during the operational phase. but general noise levels within plant are expected to remain below 75 dB(A).In order to mitigate the noise levels during the operational phase, more additional green belt shall be developed.
6.2	From industrial or similar processes	Yes	
6.3	From construction or demolition	Yes	During the installation of machineries, some of the activities would temporarily enhance the ambient noise levels for a short period.
6.4	From blasting or piling	No	- Not Applicable -
6.5	From construction or operational traffic	Yes	Due to operational traffic noise level would be increase for the short intervals.
6.6	From lighting or cooling systems	No	- Not Applicable -
6.7	From any other sources	No	- Not Applicable -

7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials	No	No hazardous substances or materials will be used.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	No industrial waste water will be discharged.
7.3	By deposition of pollutants emitted to air into the land or into water	No	- Not Applicable -
7.4	From any other sources	No	- Not Applicable -
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	- Not Applicable -

8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances	No	No hazardous substances or materials will be used.
8.2	From any other causes	No	- Not Applicable -
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	No	Proposed project is located in Seismic Zone V, So Earthquake resistance structures is provided.

9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
9.1	Lead to development of supporting. lities, ancillary development or development stimulated by the project which could have impact on the environment e.g.**:** • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • Housing development • Extractive industries • Supply industries • Other	No	Surrounding area of proposed project is well developed and it has all supporting infrastructure.
9.2	Lead to after-use of the site, which could havean impact on the environment	No	- Not Applicable -
9.3	Set a precedent for later developments	No	- Not Applicable -
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	- Not Applicable -

UPDATED FORM-I

III) Environmental Sensitivity

S. No.	Areas	Name/Identity	Aerial distance (within 15 km.) Proposed project location boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	Amchang Wildlife Sanctuary	(Around 1.6 km in North)
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	None	- Not Applicable -
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	Mylliem RF Marakdola RF Khanapara RF Garbhanga RF	Around 1.01 km in South Around 1.63 km in South-East Around 5.54 km in North-West Around 7.92 km in West
4	Inland, coastal, marine or underground waters	Umtru River	Around 3 Km.
5	State, National boundaries	State boundary of Maghalaya	Across the national highway No. 40
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	None	- Not Applicable -
7	Defence installations	None	- Not Applicable -
8	Densely populated or built-up area	None	- Not Applicable -
9	Areas occupied by sensitive man-made land uses *(hospitals, schools, places of worship, community facilities)*	Schools, colleges and hospitals	Present within 15 km radius
10	Areas containing important, high quality or scarce resources *(ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)*	None	- Not Applicable -
11	Areas already subjected to pollution or environmental damage. *(Those where existing legal environmental standards are exceeded)*	None	- Not Applicable -
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (*earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions*)	Earthquakes	Proposed project site located in Seismic Zone - V

UPDATED FORM-I

(IV) Proposed Terms of Reference for EIA studies: –

Not applicable as proposed project is change in technology for the manufacturing of Clinker (500 TPD) from Rotary Kiln to Vertical Shift Kiln and Cement (500 TPD).

I hereby give an under taking that the data and information given in the application and enclosure are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost.

Date: 21/09/2018

Place: Guwahati, Assam

For K R ASSOCIATES

Kiran Kayal

PARTNER

Mrs. Kiran Kayal
(Partner)
House No.: 62,
Bye Lane No.: 2, G. S. Road,
Guwahati, Assam-781005.

MANUFACTURING PROCESS:

The manufacturing process of cement is basically based on VSK technology. In vertical Shaft technology the kiln is stationary, vertical and tubular kiln. The process comprises of the following operations: -

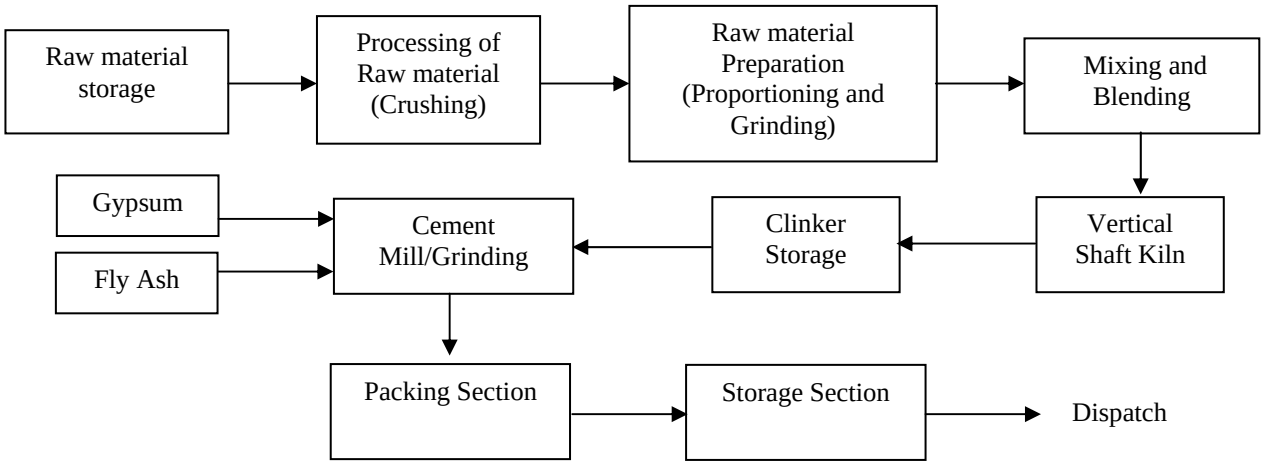
1. Crushing of limestone and other raw meal to a minimum size of 12mm.
2. Proportioning of raw materials and fuel (coke breeze) based on raw mix design, grinded to desired fineness and blending of finally grounded raw mix to obtain raw meal of desired homogeneity.
3. Preparation of nodules by addition of water to raw meal in a pan type noduliser.
4. Feeding nodules to VSK where drying, calcining, sintering and coking takes places as the nodules travel down the VSK and ultimately get converted to clinker.
5. Grinding of clinker with desire quantity of Gypsum/fly ash.

The limestone procured is fed to a jaw crusher. The crushed limestone 60 mm size is then fed to a grinding mill to reduce it further to 12 mm size. Coke breeze, clay and other additives are also crushed in smaller jaw crusher and stored in separate silos. The crushed raw materials are taken out in predetermined proportion by means of mobile platform. Weighing scale fitted on trolley moving over rails and discharged into a bucket elevator to be conveyed to ball mill hoppers from where the material is fed to a ball mill and thoroughly grounded. The grounded raw meal is fed by means of a bucket elevator to a blending silo for proper homogenizations. The final adjustment of the raw meals is made in the homogenizer by replenishing the shortfall in either limestone or clay or coke breeze. The homogenized raw meal is then fed to raw meal storage silos.

The blended raw meal is conveyed by means of screw conveyer and bucket elevator to surge silo fitted above the pan noduliser. The raw meal from here is fed to noduliser where water is sprayed at the desired rate for forming green nodules. The inclination and speed of the nodulisers can be adjusted depending upon the diameter of the nodules required, which is normally 10mm to 12mm. The pan noduliser is fitted at a height above the feeder of kiln so that feed to the kiln is obtained by gravity only. The green nodules are allowed to travel downwards into vertical shaft kiln through a rotary chute discharge which facilitates their even distribution over the kiln top. Air blown from bottom of the kiln by roots blower.

The nodules during their travel down the kiln get dried, heated, Calcined and sintered to clinker and cooled whilst the air during its travel up the kiln gets heated and initiates the calcining and clinkerisation of the green nodules. The cooled clinker is discharged through a double release system in covered storage yard. The Clinker stored into the hoppers after crushing and extracted in the desired proportion with the help of table feeders and transported to the Cement mill Hopper. In the cement mill Clinker is grounded with Gypsum to produce cement. Grounded Cement is stored in cement silo and then packed.

PROCESS FLOW DIAGRAM



UPDATED FORM-I

KEY BENEFITS OF VSK TECHNOLOGY:

1. Low Capital Cost
2. Less power consumption.
3. Less fuel.
4. Persons with little technical knowledge can also work in the unit unlike that in rotary kiln.
5. Achievement of high-quality cement.

UPDATED FORM-I

ANNEXURE-II

FACILITIES FOR STORAGE OF GOODS OR MATERIALS

SR. NO.	NAME OF THE GOODS OR RAW MATERIAL	STORAGE QUANTITY	TYPE OF STORAGE	MODE OF OPERATION
1.	Lime Stone	6000 MT 2400 MT	Open Yard Covered Shed	By Tripler Belt Conveyor
2.	Clay	1000 MT	Covered Shed	By Loader
3.	Coke Breeze	700 MT	Covered Shed	By Loader
4.	Fly ash/Slag	2500 MT	Covered Shed	Manual
5.	Gypsum	200 MT	Covered Shed	By Loader
6.	Raw mix	1000 MT	Silo	Air Lift
7.	Clinker	6000 MT	Covered Shed	Belt Conveyor
8.	Cement	650 MT	Silo	Elevator

ANNEXURE-III

DETAILS OF WATER CONSUMPTON AND WASTEWATER GENERATION

Source of Water: - Bore Well located within premises

SR. NO.	PURPOSE	WATER CONSUMPTION KL/DAY	WASTE WATER GENERATION KL/DAY
1.	Domestic Purpose	8.0	6.4
2.	Industrial Purpose (Cooling, Noduliser)	110.0	0
3.	Gardening	1.0	0
4.	Dust Suppression	5.0	0
TOTAL		**124**	**6.4**

UPDATED FORM-I

ANNEXURE-IV

DETAILS OF RAW MATERIALS/MINERALS REQUIRED

SR. NO.	NAME OF THE RAW MATERIAL	CONSUMPTION MT/DAY	SOURCE & THEIR DISTANCE (KM)	MODE OF TRANSPORTATION
1.	Limestone	628	Meghalaya - 190 KM	By Truck
2.	Clay	110	Local - 02 KM	By Truck
3.	Coke Breeze	102	Jorabat/Byrnihat - 02 KM	By Truck
4.	Iron Ore/Other Minerals	10	Jorabat/Byrnihat - 02 KM	By Truck
5.	Fly Ash/Slag	100	Kahalgaon (Bihar) - 750 KM NTPC Bongaigaon - 200 KM	By Train By Bulker
6.	Gypsum	10	Bhutan - 200 KM	By Truck

UPDATED FORM-I

ANNEXURE-V

DETAILS OF EMISSIONS FROM COMBUSTION OF FOSSIL FUELS FROM STATIONARY OR MOBILE SOURCES

NO. OF STACK	STACK ATTACHED TO	POLLUTION CONTROL EQUIPMENT	STACK HEIGHT & DIAMETER	POLLUTANTS (APCB LIMIT)
1.	Jaw Crusher & Impactor	Pulse Jet Type Bag Filter	Height – 30 Meter Dia - 0.5 Meter	PM 30 mg/m3
2.	Tunnel Ventilation	Pulse Jet Type Bag Filter	Height – 26 Meter Dia - 0.6 Meter	PM 30 mg/m3
3.	Raw Grinding Mill	Pulse Jet Type Bag Filter	Height – 30 Meter Dia - 1.75 Meter	PM 30 mg/m3
4.	Kiln VSK – 250 TPD	Pulse Jet Type Bag Filter,	Height -53.0 Meter Dia - 2.00 Meter	PM 50 mg/m3 SOx 200 mg/m3 NOx 500 mg/m3
5.	Kiln VSK – 250 TPD	Pulse Jet Type Bag Filter	Height -53.0 Meter Dia - 2.00 Meter	
6.	Flyash & Gypsum Feeding	Pulse Jet Type Bag Filter	Height – 24 Meter Dia - 0.76 Meter	30 mg/m3
7.	Cement Mill	Pulse Jet Type Bag Filter	Height – 28 Meter Dia - 0.7 Meter	30 mg/m3
8.	Packing Section	Pulse Jet Type Bag Filter	Height – 24 Meter Dia - 0.52 Meter	30 mg/m3
9.	D G Set 600 KVA	Acoustic Enclouser	As per guidelines	PM 150 mg/m3 SOx 100 ppm NOx 50 mg/m3
10.	D G Set 600 KVA			
11.	D G Set 250 KVA			