

**FEBRUARY 25, 2023**

To,  
**Add. Principal Chief Conservator of Forests (C),**  
Ministry of Environment, Forest and Climate Change,  
**Integrated Regional Office, Gandhinagar,**  
A – 407 & A – 409, Aranya Bhawan,  
CH – 3 Circle, Sector – 10A,  
Gandhinagar – 382010

<b>SUB:</b>	<b>COMPREHENSIVE EC COMPLIANCE REPORT FOR CERTIFICATE OF MONITORING REPORT FOR ENHANCING BULK CARGO HANDLING CAPACITY AT EXISTING JETTY OF KRIBHCO FROM 7000 MT/DAY AND 1.4 MILLION MT/YEAR TO 19200 MT/DAY AND 4.61 MILLION MT/YEAR (WHICH IS ACTUAL CAPACITY OF JETTY) FOR HANDLING OF BULK CARGO OF FERTILIZERS OR DE-OILED CAKE OR OTHER DRY BULK CARGO LIKE GYPSUM OR SLAG OR AGRI-PRODUCTS OR SUGAR OR FOOD GRAINS OR MOP OR CLINKER OR ROCK PHOSPHATE OR CEMENT IN BULK AND BAGS OR CONSTRUCTION MATERIALS OR LIME STONE OR IRON ORE OR BENTONITE OR AGGREGATE STONE OR BAUXITE OR COAL OR PET COKE IN CARGO MIX OR NON-HAZARDOUS LIQUID CARGO LIKE MOLASSES WITHOUT CHANGING EXISTING INFRASTRUCTURE AT KRIBHCO JETTY AT HAZIRA UNIT, P.O. KRIBHCO-NAGAR, SURAT - 394515, TAL: CHORYASI, DIST. - SURAT OF M/s. KRISHAK BHARATI COOPERATIVE LIMITED (KRIBHCO)</b>
<b>CATEGORY:</b>	<b>B1 - 7 (e)</b>
<b>REF:</b>	<b>TOR APPLICATION PROPOSAL NO. SIA/GJ/NCP/81262/2022 DATED 28 JULY, 2022 TOR PRESENTATION DATED 27/09/2022 TOR GRANTED SEIAA/GUJ/TOR/7(e)/134/2023 DATED 04 FEBRUARY 2023.</b>

Dear Sir,

This has reference to above mentioned subject matter; we are submitting the Comprehensive Compliance Report of EC of M/s. KRISHAK BHARATI COOPERATIVE LIMITED (KRIBHCO) at Kribhco Jetty at Hazira Unit, P.O. Kribhco-Nagar, Surat - 394515, Tal: Choryasi, Dist. – Surat.

We have applied Environment Clearance and CRZ Clearance for enhancement of handling capacity from 7000 MT/Day and 1.4 Million MT/Year to 19200 MT/Day and 4.61 Million MT/Year (which is the actual capacity) at existing jetty for handling of bulk cargo of fertilizers or de-oiled cake or other dry bulk cargo like gypsum or slag or agri-products or sugar or food grains or mop or clinker or rock phosphate or cement in bulk and bags or construction material or lime stone or iron ore or bentonite or aggregate stone or bauxite or coal or pet coke in cargo-mix or non-hazardous liquid cargo like molasses without changing existing infrastructure so we require Certified Copy of Monitoring Report of Existing Environmental Clearance to be incorporated in EIA Report.



MGMT SYS  
RvAC 071

ISO 9001:2015, ISO 14001:2015  
& ISO 45001:2018 Certified



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**Site Office** : पी. ओ. कृषको नगर, सूरत-३९४ ५१५ ( गुजरात ) P.O. KRIBHCO Nagar, Surat-394 515 (Gujarat)  
Tel. : 0261-2862766 to 68 Fax : 0261-2860283

**Head office** : A8-10, Sector-1, NOIDA 201301, Dist. Gautam Budh Nagar (U.P.)  
Phones : 0120-2534631/32//36, 2549110/2/3/4 | Website : www.kribhco.net

**Regd. Office** : A-60, Kailash Colony, New Delhi 110 048, Tel. No. : 011-29243412

We hope you would find the same in order and request your kind self to approve us Certified Compliance Monitoring Report of EC & CRZ.

Thanking You,  
Yours faithfully,  
For KRISHAK BHARATI COOPERATIVE LIMITED (KRIBHCO)

*S. K. Mohapatra*

**S. K. MOHAPATRA**  
Joint General Manager (Technical)  
Krishak Bharati Cooperative Limited  
PO.: KRIBHCO NAGAR,  
SURAT-394 515. (Gujarat)



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**Data sheet is prepared as per existing EC.**

As per requirement of MoEFCC, Integrated Regional Office, Gandhinagar, we enclose hereby below details:

**1) Present Status of work progress**

**Answer 1:**

**Fertilizer Warehouse**



**Weigh Bridge**



**Jetty Area**



2) A Comprehensive Compliance Report in respect of all the conditions of EC.

**Compliance Status Report for the Environment Clearance & Amendment to Environment**

Clearance:

(1) EC No. SEIAA/GUJ/EC/7(e)/295/2009 dated 08.12.2009

(2) Amendment to EC No. SEIAA/GUJ/EC/ 7(e)/756/2022 dated:10.03.2022

(Compliance report for the period July-2022 to December-2022)

**Environment Clearance for revamping of existing jetty located adjacent to the urea-ammonia complex on northern bank of Tapi river by re-commissioning and developing backup infrastructure for trans-shipment of bulk cargo brought to the Wharf through lighterage operation along the river Tapi and its estuary at Hazira, Dist Surat by M/s. Krishak Bharati Cooperative Ltd (KRIBHCO) in Category 7(e) of Schedule annexed with EIA Notification dated 14/9/2006.**

Sr. No.	Condition	Remarks
<b>A. SPECIFIC CONDITIONS:</b>		
1	The provisions of the CRZ Notification, 1991, as amended from time to time, shall be complied with strictly.	Noted and Shall be complied
2	The applicant shall deploy latest navigational aids and the navigation channel shall be properly demarcated. Proper lighting shall be provided in the navigation channel. The navigational channel shall be regularly surveyed for depth availability and alignment and navigational aids shall be adjusted accordingly to prevent navigational hazards and unsafe conditions.	Complied Required navigational aids have been deployed. Proper lighting has been provided in the navigation channel. All necessary actions are being taken to prevent any navigational hazard and unsafe condition.
3	The applicant shall strictly follow the guidelines and provisions of Vessel Transport Management System devised for Gulf of Khambhat and shall become member of the VTMS being developed for the Gulf of Khambhat by the Gujarat Maritime Board. Manual detailing management of traffic with respect to the incoming and outgoing traffic of vessels through channel shall be prepared and implemented through trained personnel in consonance with the VTMS and GMB guidelines.	Complied All the guidelines and provisions of Vessel Transport Management System (VTMS) devised for Gulf of Khambhat are being followed. All the guidelines of VTMS & GMB with respect to the incoming and outgoing traffic of vessels through channel are also being followed.
4	A disaster management plan covering mechanism for evacuating material and people during the emergency situations like ship collision / grounding shall be prepared and implemented through trained personnel. Disaster Management Plan shall be regularly updated and necessary periodic training shall be imparted to concerned personnel to ensure its effective implementation during emergency.	Complied Jetty operations have been included in the onsite emergency plan of KRIBHCO.  Schedule for F&S training is prepared and regular training is being imparted.
5	The applicant shall carry out continuous and comprehensive post project marine quality monitoring, at least once a year, through institute of repute like National Institute of Oceanography, in consultation with the GPCB. This shall include monitoring of water quality, sediment quality and biological characteristics covered in the EIA studies. Impacts	Complied Comprehensive post project marine quality monitoring is being carried out periodically. M/s. Gujarat Environment Management Institute (GEMI),

	<p>occurred, if any, shall be assessed and requisite additional remedial measures shall be taken by the project proponent.</p>	<p>Gandhinagar has conducted monitoring of water quality, sediment quality and biological characteristics in the month of December 2021 and the report submitted by them is attached at Annexure-1. As per report, they have not assessed any impact due to jetty activities and also, they have not recommended for any remedial measures.</p> <p>Further, Work for conducting comprehensive post project marine quality for the year 2022-23, has been awarded to M/s. Gujarat Environment Management Institute (GEMI), Gandhinagar vide service order No.7007582 dated 14.11.2022. They have carried out the monitoring work and report is awaited.</p>
6	<p>The project proponent shall not undertake any activity which is likely to result impact on mangroves or other ecological important areas during revamping / development and operation of the project. No activity shall spill to nearby mangrove patch and mangroves of Kadia Belt.</p> <p>Mangrove afforestation on at least 500-hectare area and green belt development shall be undertaken and necessary budget for the same shall be earmarked and utilized for the said purpose only.</p>	<p>Complied</p> <p>1) KRIBHCO has not undertaken any activity which is likely to have an impact on mangroves or other ecological important areas during revamping /development and operation of the project. Also, no activity shall spill to nearby mangrove patch and mangroves of Kadia Belt.</p> <p>2)Regarding mangroves afforestation, Society had already developed 100 ha mangrove area at Kanthiyajal district Hansot in the year 2010-2011.</p> <p>3) KRIBHCO has signed, MOU on 07.03.2022 with M/s. Gujarat Ecology Commission (GEC)- Gandhinagar for A Community Based Restoration, Plantation &amp; Conservation of Mangroves along the Gujarat Coast for planting Mangroves in an area of 100 hectares at Karanj Village of Olpad Taluka, District: Surat (Gujarat). GEC has started the work and have submitted inception report (May-2022) and Progress report (August-2022) which are attached at Annexure-2. The work will be completed by March-2023. The final progress implementation and outcome report will be submitted by them on the completion of the project.</p>

		<p>4) Remaining 300 ha of mangrove area will be developed in the following manner by the KRIBHCO.</p> <p>(i) 100 ha area will be developed by March 2024.</p> <p>(ii) 100 ha area will be developed by March 2025.</p> <p>(iii) 100 ha area will be developed by March 2026.</p> <p>Necessary budget provision has been kept and shall be utilized for the said purpose only.</p>
<b>A.1 REVAMPING / DEVELOPMENT PHASE:</b>		
7	The area of dredging shall be confined to the minimum required and strictly as per the permissions obtained from the competent authority. The dredging activities shall be completed in the least possible time by reducing over run of duration in order to minimize adverse impacts, if any. Marine ecology monitoring shall be done during the dredging operation.	<p>Complied</p> <p>Maintenance dredging is being carried out periodically to maintain draft in front of jetty. All measures are being taken so that dredging activities are completed in the least possible time. It is ensured that, marine ecological monitoring will be carried out during each dredging operation.</p>
8	During dredging activities, the equipments, vessels, barges required for dredging and transportation of dredged material shall be maintained in a secured area. Spillage of oil or any toxic material including paints, anticorrosive agents etc. shall not be allowed to spill in sea / coastal waters. No activity shall affect the nearby mangrove patch and mangroves of Kadia Bet.	<p>Complied</p> <p>During dredging activities, the equipment, vessels, barges required for dredging and transportation of dredged material is being maintained in a secured area. All the measures are being taken to prevent any spillage in sea /coastal water. It is being ensured that due to activity of dredging, nearby mangrove patch and mangroves of Kadia Bet are not affected.</p>
9	The dredged material as a resultant of capital dredging shall be used for filling and levelling of around 6.07 hectares earmarked low lying backup area owned by the company in consultation with the GPCB and the National Institute of Oceanography and shall be strictly as per the advice of the NIO to avoid the negative impacts, if any.	<p>Complied</p> <p>Capital dredging will not be required. However, maintenance dredging will be carried out periodically to maintain draft in front of jetty and dredged material as a resultant of maintenance dredging is being used for filling and levelling of low-lying backup area owned by KRIBHCO.</p>
10	The camps of labour shall be kept outside the Coastal Regulation Zone area and sufficiently away from the estuary. Safe disposal of sewage and other wastes generated in these settlements shall be ensured and it shall not be discharged in the estuary.	<p>Complied</p> <p>The camps of labour had been kept outside the Coastal Regulation Zone area and sufficiently away from the estuary. Domestic Effluent is being collected in Collection Tank and the same is emptied out periodically in the tanker and sent to existing sewage treatment plant</p>

		of KRIBHCO having a capacity of 5000 KL/Day. It is being ensuring that no waste shall find its way to estuary.
11	Adequate provisions for infrastructure facilities such as water supply, fuel (kerosene or cooking gas), lighting, sanitation etc. shall be ensured for the work force so as to avoid felling of trees/mangroves and pollution of water and the surroundings.	Complied Adequate provisions for infrastructure facilities such as water supply, fuel, lighting and sanitation have been made.
12	Adequate personal protective equipments shall be provided for use by the construction workers at the site and their usage by them shall be ensured and supervised especially during handling of construction materials.	Not Applicable as Construction works is not required.
13	The project authorities must make necessary arrangements for safe disposal of solid wastes outside the CRZ area and it shall not be released to the estuary.	Complied All necessary arrangement has been made for safe disposal of solid waste and it is being ensured that no solid waste finds its way to estuary.
14	It shall be ensured that due to the project activities, there is no adverse impact on the drainage of the area and recharge of groundwater.	Complied There is no adverse impact on the drainage of the area due to the project activity. No activity of recharge of groundwater is being carried out at jetty area.
15	It shall be ensured that project activities do not lead to any shoreline changes. Periodic monitoring shall be carried out to assess the shoreline changes.	Complied Due to project activities no shoreline changes have been occurred. Comprehensive post project marine quality monitoring is being carried out periodically. Comprehensive post project marine quality monitoring was carried out by GEMI-Gandhinagar, in December 2021. In their study, the Assessment of shoreline changes has been carried out. As per report, they have not assessed any changes in shoreline due to jetty activities and report attached at Annexure-1. Further, Work for conducting comprehensive post project marine quality including study of assessment of shore line changes for the year 2022-23, has been awarded to M/s. Gujarat Environment Management Institute (GEMI), Gandhinagar vide service order No.7007582 dated 14.11.2022. They have carried out the monitoring work and report is awaited.
16	No construction work permitted under the Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area after obtaining necessary permissions from the competent Authority only.	Noted. Necessary permission from competent authority will be taken for any construction work which

		will be carried out in Coastal Regulation Zone area
17	The facilities to be constructed / developed in the CRZ area as part of this project shall be strictly in conformity with the provisions of the CRZ Notification, 1991 as amended subsequently.	Noted.
18	Construction of the proposed structures shall be undertaken meticulously conforming to the existing local and central rules and regulations. All the construction designs/drawings relating to the proposed construction activities must have approvals of the concerned Government Departments/Agencies.	No construction activities will be carried out.
19	All topsoil excavated during construction activities should be stored for use in horticultural / landscape development within the project site.	Not applicable
20	Readymade mix concrete should be used so far as possible.	Not applicable
21	Water demand during construction should be reduced by use of curing agents, plasticizers and other best practices.	No construction activities will be carried out. However, all measures were taken to reduce the water demand during the earlier construction activities.
22	The back-up area around the Transit Shed shall be paved with the provision for parking of trucks.	Complied Back-up area around the Transit Shed was paved for parking of trucks.
23	Vehicles hired for bringing construction material at site should be in good conditions and conform to applicable air and noise emission standards and should be operated only during non-peak hours.	Complied No construction activities will be carried out. However, good condition vehicles were hired for bringing construction material at site and it was ensured that the vehicle conforms applicable air and noise emission norms.
24	Fly ash should be used as building material in the construction as per provisions of Fly Ash Notification under EPA.	Complied No construction activities will be carried out. However, building material of Fly ash was used as far as possible during the earlier construction activities.
<b><u>A.2 OPERATION PHASE:</u></b>		
25	Best possible technology and equipments shall be provided for loading and unloading operations. Spillage of cargo during loading / unloading operations shall be minimal and aimed at zero spillage. To avoid spillages, closed / covered conveyor system shall be adopted. Use of tarpaulins etc. from the barge surface to the jetty below the grab during loading / unloading operations shall be adopted to prevent the cargo spillage into aquatic environment. All loading / unloading facilities shall be equipped with drip pans or aprons to collect material spilled while loading/unloading the barges and also for loading the material onto the conveyor.	Complied Best equipment are provided for loading and unloading operations. To avoid spillage, closed / covered conveyor system has been provided. To avoid cargo spillage into aquatic environment tarpaulin is being used from the barge surface to the jetty during unloading of cargo. Regular sweeping is being carried out to collect the spilled material. It is our endeavour that Spillage of cargo during loading / unloading operations will be



		minimal and aimed at zero spillage.
26	Maintenance dredging shall be carried out in consultation with Gujarat Maritime Board. Dredged material as a result of maintenance dredging shall not be disposed in the estuary or intertidal area	Complied Maintenance dredging is being carried out in consultation with Gujarat Maritime Board. Dredged material as a result of maintenance dredging is being disposed off for filling and levelling of low-lying backup area owned by the KRIBHCO
27	The industry will set up a vessel to vessel and vessel to shore communication system to prevent any accident in the estuary.	Complied Communication system has been provided.
28	The operators and drivers shall be trained and equipped for handling of emergencies safely and in an ecologically sound manner.	Complied Operators and drivers are being trained for handling of emergencies safely and in an ecologically sound manner.
29	Surface run off from the jetty shall be adequately managed. To avoid oil, SS and fertilizers entering the estuarine environment, dry sweeping shall be adopted at the jetty and washing shall be avoided as far as possible.	Complied All measures are taken to avoid surface run off from the jetty to estuarine environment. Also, regular sweeping is being carried out to collect the spilled material. Two collection pits each at one corner are constricted in the jetty area so as to collect the surface runoff. The collected surface runoff is emptied out periodically and reused.
30	Sewage and garbage collection facilities through dedicated trucks shall be made available to barges to evacuate their waste when at berth. Sewage arising in the port area shall be collected in a pit and transported periodically to existing sewage treatment plant in the KRIBHCO premises for treatment and it shall not be discharged in the river/estuarine water. Safe disposal of solid waste shall also be ensured and it shall not be released to the estuary. The jetty area shall be treated as no waste discharge zone by barges. The provisions of the MARPOL in this regard shall be strictly followed.	Complied Sewage arising in the jetty area is being collected in a collection pit and transported periodically to existing sewage treatment plant in the KRIBHCO premises for its treatment. When barge is at berth, necessary arrangement to evacuate their waste has been made.
31	The solid waste generated due to spillage of material shall be dry swept and recovered / reused.	Complied Regular dry sweeping is being carried out to collect and recover the spilled material.
32	The area earmarked for the truck parking shall be used for parking only. No other activity shall be permitted in this area.	Complied No other activity is being carried in the area which is earmarked for trucks parking.
33	No product other than those permissible in the Coastal Regulation Zone Notification, 1991 shall be stored in the Coastal Regulation Zone area.	Complied No product other than those permissible in the Coastal Regulation Zone Notification, 1991 is being stored in the Coastal Regulation Zone area.
34	The acoustic enclosures shall be installed at all noise generating equipments and the noise level shall be maintained	Not applicable

	as per the MoEF / CPCB guidelines / norms both during day and night time.	
<b>B. GENERAL CONDITIONS:</b>		
35	The project shall be implemented in such a manner that there is no damage whatsoever to the mangroves/other sensitive coastal ecosystems.	Complied The project was implemented in such a manner that there was no damage to the mangroves/other sensitive coastal ecosystems.
36	The project shall be implemented in such a manner that there shall be no any hindrance to the movement of fishing vessels or fishermen.	Complied The project was implemented in such a manner that there was no hindrance to the movement of fishing vessels or fishermen.
37	So as to maintain ecological features and avoid damage to the ecosystem, movement of vehicles in the Inter Tidal Zone shall be restricted to the minimum.	Noted.
38	There shall be no withdrawal of ground water in CRZ area, for this project. The proponent shall ensure that as a result of the proposed activities, ingress of saline water into ground water does not take place.	Complied KRIBHCO is not withdrawing any ground water. The requirement of water of KRIBHCO complex is being met from Kakrapar dam through a dedicated pipeline. Requirement of water for jetty is being met through existing infrastructure of KRIBHCO.
39	The project proponent shall provide adequate funds for environment protection. The funds earmarked for environment protection measures shall be maintained, in a separate account and there shall be no diversion of these funds for any other purpose.	Complied Provision of funds for environment protection has been kept. This fund is not being used for any other purpose.
40	Appropriate safety devices such as masks shall be provided for use by the workers at the site and their usage by them shall be ensured.	Complied Masks are being provided for use by the workers at the site and it is being ensured that they use the mask at the work place.
41	All issues raised during the public hearing shall be addressed comprehensively.	Complied All issues raised during the public hearing were addressed comprehensively.
42	The project shall be implemented in such a manner that there shall be no any hindrance to the movement of fishing vessels or fishermen	Complied The project was implemented in such a manner that there was no hindrance to the movement of fishing vessels or fishermen.
43	The operators and drivers shall be trained and equipped for handling of emergencies safely and in an ecologically sound manner.	Complied Operators and drivers are being trained for handling of emergencies in a safe and ecologically sound manner.
44	To meet any emergency situation, appropriate fire-fighting system shall be installed. Appropriate arrangements for uninterrupted power supply and continuous water supply for the firefighting system shall be made.	Complied Fire-fighting system has been installed with a provision of continuous water supply.
45	Adequate personal protective equipments shall be provided for use by the workers at the site and their usage by them shall be ensured and supervised.	Complied Personal protective equipment (PPE) is being provided for use by the workers at the site and it is

		being supervised for ensuring that they use the PPE at the work place.
46	First aid facilities and required antidotes shall be provided in adequate quantity and shall be made readily available.	Complied First aid facilities and required antidotes are being provided in adequate quantity and are readily available.
47	Training to the staff for the first aid and firefighting along with regular mock drill shall be conducted regularly and shall be made an integral part of the disaster management plan of the project.	Complied Training to the staff for the first aid and firefighting is being imparted. Regular mock drill is being conducted. It is an integral part of the disaster management plan of the project.
48	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of materials.	Complied All necessary precautionary measures are being taken to avoid any kind of accident during storage and handling of materials.
49	Handling of materials shall be done in such a manner that minimal human exposure occurs.	Complied Handling of materials is being done in such a manner that a minimal human exposure occurs.
50	Adequate arrangements shall be made for seeking immediate medical attention in the case of emergency.	Complied Adequate arrangements have been made for seeking immediate medical attention in case of any emergency.
51	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.	Complied Occupational health surveillance of the workers is being done and its records are available in KRIBHCO hospital. Pre-employment and periodical medical examination for all the workers is being undertaken as per the Factories Act & Rules.
52	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	Not applicable
53	Diesel generator sets, if to be used, shall be of enclosed type and conform to EPA Rules for air and noise emission standards.	Not applicable
54	The overall noise level in and around the jetty area shall be kept well within the standards by providing noise control measures including engineering controls on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules	Complied Noise level monitoring is being carried out regularly near the jetty area and the overall noise level is well within the standards. The ambient noise level is as per the standards prescribed under The Environment (Protection) Act, 1986 & Rules
55	Necessary emergency lighting system along with emergency power back up system shall be provided.	Complied Uninterrupted power supply is assured.
56	The project proponent shall explore the application of solar energy & it shall be incorporated for illumination of common	Complied

	areas, lighting of internal roads and passages in addition to solar water heating, if any.	KRIBHCO has installed solar panel for street lights in KRIBHCO-Jetty area.
57	The project proponent shall install the electric utilities / devises, which are energy efficient and meeting with the Bureau of Energy Efficiency norms, wherever applicable.	Complied KRIBHCO has installed the electric utilities / devises, which are energy efficient and meeting with the Bureau of Energy Efficiency norms.
58	The energy audit shall be conducted at regular interval for the project and the recommendations of the Audit report shall be implemented with spirit.	Complied The jetty is a part of KRIBHCO. The energy audit of KRIBHCO is carried out regularly. Last energy audit was conducted in March 2021 by M/s. A – Z Energy Engineers Pvt. Ltd., New Delhi.
59	A separate Environmental Management Cell with suitably qualified staff to carry put various environment related functions shall be set up under the control of the Chief Executive of the Company.	Complied A separate Environmental Management Cell with suitably qualified staff to carry put various environment related functions has been set up under the control of the Chief Executive of the Company.
60	The project authorities shall take appropriate community development and welfare measures for the villagers in the vicinity of the project site. A separate fund shall be allocated for this purpose.	Complied KRIBHCO has taken measures for community development. The welfare measures for the villagers in the vicinity of the project site have also being taken. A separate fund is being allocated for this purpose.
61	No further expansion or modifications or development likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Complied Noted and shall be complied.
62	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	Complied Noted and shall be complied.
<b>B. GENERAL CONDITIONS:</b>		
63	The entire handling should be through pneumatic and in closed conveyer system, to avoid any kind of spillage.	Complied
64	The water quality and sediment quality of Tapi estuary should be monitored once in a year to check eutrophication happening if any to ascertain the spillage, if any.	Comprehensive post project marine quality monitoring is being carried out periodically. Service order for conducting Marine ecological monitoring near existing jetty was awarded to M/s. Gujarat Environment Management Institute (GEMI), Gandhinagar on 15.09.2021. The study is completed and report submitted by GEMI is attached at Annexure-1. Further, Work for

		conducting comprehensive post project marine quality for the year 2022-23, has been awarded to M/s. Gujarat Environment Management Institute (GEMI), Gandhinagar vide service order No.7007582 dated 14.11.2022. They have carried out the monitoring work and report is awaited.
65	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Not applicable
66	The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards recommended in the EIA / EMP report as well as other proposals made by them.	Noted and is being complied.
67	The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water. Also harvesting of surface as well as rainwater from the rooftops of the building proposed in the project shall be undertaken and the same shall be used for the various activities of the projects to conserve fresh water.	<p>Complied</p> <p>(1) Rain water harvesting is being carried out in water pre-treatment area (Filter house terrace, cooling water storage tank pump house, surrounding paved area of filter house-2 and calirifer-2, filter water pump house area and surrounding paved area of water pre-treatment sludge pit drain channel). Approximately 12014 m3 of rain water is conserved and used in the process plant. Implementation of this scheme has not only resulted in a saving of Rs. 4.14 lacs in the year 2021-22, but also conserved the natural resource.</p> <p>(2) KRIBHCO has implemented rain water collection system at plant premises and township in a phased manner. In this regard, rain water collection system was implemented in one part of township in the Financial Year 2021-22 and approximately 30,000 m3 of raw water has been conserved in the FY 2021-22. The rain water collection system in plant premises and other part of the township was also implemented in June-2022 and conservation of water by rain water in plant premises and other part of the township has also started from monsoon of the year 2022</p>
68	No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF/ SEIAA, as the case may be. In case of deviations or alterations in the project	Noted and will be complied.

	proposal from those submitted to MoEF/ SEIAA/ SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	
69	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Complied KRIBHCO has adequate funds to implement the conditions as stipulated by SEIAA as well as GPCB.
70	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied. The copy of advertisement is attached at Annexure-3.
71	It shall be mandatory for the project management to submit half-yearly compliance report 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.	Complied KRIBHCO is submitting half yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions to the regulatory authority concerned, on a regular basis.
72	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Complied
73	The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied (1) Date of start of project December 2009 (2) Date of completion -December 2010. (3) Date of financial closure-Not applicable. (As there was no external borrowing)
74	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.	Noted
75	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted
76	This Environmental Clearance is valid for five years from the date of issue.	Noted

Amendment to Environment Clearance Order No: - SEIAA/GUJ/EC/7(e)/756/2022 dated March 10, 2022

Sr. No.	Condition	Remarks/Status
	<p>The SEAC, Gujarat had recommended the project vide their letter dated 04/02/2022 &amp; 28/02/2022 to grant amendment in Environmental Clearance to the SEIAA, Gujarat based on the decision taken during SEAC meeting held on 21/12/2021. The proposal was considered by SEIAA, Gujarat in its meeting held on 28/02/2022 at Gandhinagar. After careful consideration, amendment in conditions of Environment Clearance order dated 08/12/2009 is issued as below.</p>	
1	<p>The words "Bulk cargo handling rate will be 7000 MT/day and 1.4 Million MT/years Fertilizers &amp; de-oiled cake' in paragraph 2 on page No. 1 shall be substituted as below.</p> <p>"Bulk Cargo handling rate will be 7000 MT/day and 1.4 Million MT/year fertilizers or de-oiled cake or other dry bulk cargo like gypsum or slug or agri-products or sugar or food grains or MOP or clinker or rock phosphate or cement in bulk and bags or construction material or lime stone or iron ore or bentonite or aggregate stone or bauxite or coal or pet coke in cargo mix or non-hazardous liquid cargo like Molasses".</p>	<p>Complied with.</p> <p>It is being ensuring that Bulk Cargo handling rate will not be more than 7000 MT/day and 1.4 Million MT/year for handling of bulk cargo of fertilizers or de-oiled cake or other dry bulk cargo like gypsum or slag or Agri-products or sugar or food grains or MOP or clinker or rock phosphate or cement in bulk and bags or construction material or lime stone or iron ore or bentonite or aggregate stone or bauxite or coal or pet coke in cargo mix or non-hazardous liquid cargo like Molasses".</p>
2	<p>The following additional conditions shall be inserted in the Environment Clearance order No. <b>SEIAA/GUJ/EC/7(e)/295/2009 dated 08/12/2009 after A2.</b></p>	<p>Noted and being complied as applicable</p>
<p><b><u>Additional conditions:</u></b></p>		
1	<p>PP shall not carry out any activity like dredging capital /maintenance, expansion of jetty in terms of quantity handling capacity or any other activity which is not part of earlier accorded EC and CRZ clearance.</p>	<p>Total capacity of bulk cargo handling remains same as existing i.e., 7000 MT/Day or 1.4 Million MT/Year. In the CCA Amendment issued by GPCB , the same quantity has been mentioned.</p> <p>KRIBHCO will not carry out any activity like dredging capital/maintenance, expansion of jetty in terms of quantity handling capacity or any other activity which is not part of earlier accorded EC and CRZ clearance.</p>
2	<p>PP shall carry out all requisite mitigation measures as proposed in standard operating procedures for handling of cargos.</p>	<p>All requisite mitigation measures are being taken for handling of cargo as proposed in standard operating procedures.</p>

3	No construction debris and/or any other type of waste/ wastewater shall be disposed of in CRZ areas.	Complied. No industrial wastewater is generated due to Jetty operations. However, total domestic wastewater (sewage effluent) generated from jetty area (3.5 KL/Day) is being collected in collection Tank and the same is emptied out periodically in the tanker and treated along with existing domestic sewage treatment plant of KRIBHCO. It is being ensured that no construction debris and/or any other type of waste/ wastewater shall be disposed of in CRZ areas.
4	Construction materials and debris shall be properly stored and handled to avoid negative impacts such as air pollution and public nuisances by blocking the roads and public passages. The debris shall be removed from the construction site immediately after the construction is over.	Debris are being removed from the construction site and disposed of as per guideline.
5	It shall be ensured that there is no adverse impact on the drainage of the area due to the construction activities.	Due to construction activities, it was ensured that no adverse impact was there on the drainage of the area due to the construction activities.
6	Solid waste likely to be generated from construction site and labour camps during construction phase will be collected and disposed off as per the Solid Waste Management Rules — 2016.	Solid waste generated from construction site during construction phase was collected and disposed off as per the Solid Waste Management Rules — 2016.
7	Vessels/ barges operating during construction phase shall be equipped with spill response kits.	Not Applicable, as there is no construction activity at the jetty and Waterfront.
8	The construction camps shall be kept outside the CRZ areas and the construction labour shall be provided with adequate amenities like drinking water, fuel, sanitation, etc. to ensure that the existing environmental condition is not deteriorated by them.	Not applicable. No construction camp has been constructed.
9	Topsoil excavated during construction activities shall be stored for use in horticultural/landscape development within the project site.	complied.
10	Ready Mix Concrete should be used so far as possible. Water demand during construction should be reduced by use of curing agents, plasticizers and other best practices.	complied.



11	The overall noise level in and around the jetty area shall be kept well within the standards by providing noise control measures including engineering controls on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	Jetty is being used for handling of Bulk cargo, hence there is no major source of noise generation.  The ambient noise level is being monitored as per EMP.
12	Vehicles hired for bringing construction material at site should be in good conditions and conform to applicable air and noise emission standards and should be operated only during non-peak hours.	Good condition vehicles were being hired for bringing construction material at site and conform to applicable air and noise emission standards. Vehicles were operated only during non-peak hours.
<b>OPERATION PHASE:</b>		
<b>SPECIFIC CONDITIONS:</b>		
13	The provisions of the CRZ Notification of 2011 shall be strictly adhered to by M/s. KRISHAK BHARATI COOPERATIVE LIMITED (KRIBHCO). No activity in contradiction to the provisions of the CRZ Notification shall be carried out by M/s. KRISHAK BHARATI COOPERATIVE LIMITED (KRIBHCO).	KRIBHCO shall strictly adhere to the provisions of the CRZ Notification of 2011. No activity in contradiction to the provisions of the CRZ Notification shall be carried out by KRIBHCO.
14	All the conditions of CRZ clearance issued by MoEF&CC vide letter no. 11-94/2009-IA-III (IA Division) dated 20.01.2010 shall be complied in letter & spirit.	Being Complied
15	The material to be handled in Cargo shall be a non-hazardous dry cargo and Liquid Cargo only.	Being Complied.  Handling of only non-hazardous dry cargo and Liquid Cargo shall be carried out at our existing jetty.
16	The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.	We have obtained EC – CTE (CTE after TOR) outward No. 19884 dated 07/08/2021 as well as applied for CCA Amendment on 18.03.2022 and amendment in CC&A has been granted vide CC&A Amendment No, (W-119663-dated 22.08.2022.)
17	M/s. KRISHAK BHARATI COOPERATIVE LIMITED (KRIBHCO) shall obtain prior permission from GMB.	Prior Permission from GMB has been obtained and is enclosed as an Annexure – 4.
18	All the recommendations, EMP, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. Krishak Bharati Cooperative Limited (KRIBHCO) and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit by KRIBHCO.	All the recommendations, EMP, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project and commitments made during presentation before

		SEAC and proposed in the EIA report are being complied as applicable to KRIBHCO.
19	KRIBHCO shall obtain all necessary permissions from different Government Departments / Agencies before commissioning their activities.	Factory License is obtained and enclosed as Annexure-5.
20	KRIBHCO shall obtain necessary permission from the Gujarat maritime Board for marine structure, if required, before commencing their activities.	Prior Permission from GMB is enclosed as an Annexure – 4.
21	KRIBHCO shall ensure that there shall be no discharge of any effluent/ sewage in to marine environment.	No industrial wastewater is generated due to Jetty operations. However, total domestic wastewater (sewage effluent) generated from jetty area (3.5 KL/Day) is being collected in collection tank and the same is emptied out periodically in the tanker and treated along with existing domestic sewage effluent of KRIBHCO at our existing sewage treatment plant. No discharge of any effluent/sewage in to marine environment is being done.
22	No groundwater shall be tapped to meet with the water requirements during the construction and/or operation phases.	No ground water shall be tapped to meet the water requirement during construction and operation phase.  Treated Industrial effluent water is being supplied by KRIBHCO through pipeline for sprinkling on coal to suppress dust and smouldering of coal at KRIBHCO Jetty.
23	KRIBHCO shall ensure that there shall be no damage to the existing mangrove patches near the site and also ensure the free flow of water to avoid damage to the mangrove (If any).	KRIBHCO is ensuring that there shall be no damage to the existing mangrove patches near the site due to operation activities of jetty and the free flow of water is also ensured to avoid any damage to the mangrove.
24	KRIBHCO shall ensure that there shall not be any discharge of pollutants in to Sea, Creek etc., which affects the marine water and marine ecology like discharge from barges, accidental spillage of oils from barges etc.	KRIBHCO is ensuring that there shall not be any discharge of pollutants in to Sea, Creek etc., which affects the marine water and marine ecology.  KRIBHCO is taking all necessary steps to avoid discharge from

		barges, accidental spillage of oils from barges etc. during operation.
25	KRIBHCO shall take up green belt development activities in propose project premises. KRIBHCO shall take up mangroves plantation to be suggested in CRZ Clearance in consultation with the Forests Department / GEER Foundation / Gujarat Ecology Commission. A comprehensive plan for this purpose has to be submitted to the Forests & Environment Department SEIAA and MoEF&CC.	Memorandum of Understanding (MoU) has been signed on 07.03.2022 between KRIBHCO & Gujarat Ecological Commission (GEC)-Gandhinagar for a community-based restoration, plantation and conservation of mangroves at Karanj village of Olpad taluka district-Surat in total area of 100 Hectare. GEC has started the work and have submitted inception report (May-2022) and Progress report (August-2022) which are attached at Annexure-2. The work will be completed by March-2023. The final progress implementation and outcome report will be submitted by them on the completion of the project. .. KRIBHCO has also started the work of tree plantation in the jetty area and 160 numbers of trees has been planted at periphery of coal yard in June-2022.
26	Detailed traffic control management plan shall be prepared and its recommendations shall be strictly followed / adhered to in order to reduce adverse impacts and to avoid problems to fishermen.	As there is no change in handling capacity at KRIBHCO Jetty, hence increase in traffic is not envisaged.
27	There shall be no use of any Hazardous chemicals within Jetty area.	<ul style="list-style-type: none"> <li>• Being Complied</li> <li>• Hazardous chemicals are not being used at KRIBHCO jetty.</li> </ul>
28	For coal sprinkling system, industrial treated liquid effluent of KRIBHCO shall be used.	Treated industrial effluent water at KRIBHCO Plant is supplied by KRIBHCO through pipeline at KRIBHCO Jetty for sprinkling on coal to suppress dust and smouldering of coal.
29	Prior modification of existing CTE/CTO shall be obtained from GPCB.	We have obtained EC – CTE (CTE after TOR) outward No. 19884 dated 07/08/2021 as well as amendment in CC&A has been granted vide CC&A Amendment No, (W-119663-dated 22.08.2022.)
<b>WATER:</b>		

30	Total water requirement for the project shall not exceed 555 KLD and shall be met through KRIBHCO Plant.	Being Complied Treated Industrial effluent water at KRIBHCO Plant is supplied by KRIBHCO through pipeline at KRIBHCO Jetty for sprinkling on coal to suppress dust and smouldering of coal.
31	No ground water shall be tapped in any case for the project requirements.	No ground water is tapped. Treated Industrial effluent water at KRIBHCO Plant is supplied by KRIBHCO through pipeline at KRIBHCO Jetty for sprinkling on coal to suppress dust and smouldering of coal.
32	The water meter shall be installed and records of monthly water consumption shall be maintained regularly.	Water meter has been installed in June 2022 and record of the same is being maintained.
33	There shall be no generation of Industrial waste water.	Being Complied
34	Waste water generated from the coal sprinkling system shall be recycled back; hence, there shall be no wastewater disposal.	Being Complied
35	The domestic wastewater generation shall not exceed 3.5 KLD and it shall be collected in Collection Tank and the same is emptied out periodically in the tanker and sent to existing sewage treatment plant of KRIBHCO having a capacity of 5,000 KL/Day	The Domestic wastewater generated from jetty area (3.5 KL/Day) is not being exceed and being collected in collection Tank and the same is emptied out periodically in the tanker and treated along with existing domestic sewage of KRIBHCO Plant.
36	There shall be no generation of Bilge water during operation phase as submitted before SEAC.	Being Complied
<b>AIR</b>		
37	There shall be no use of Fuel for the proposed activities.	Being complied
38	Adequate measures shall be taken to avoid Odour nuisance	Being complied.
39	KRIBHCO shall comply applicable conditions of the GPCB Guideline for coal handling in letter and spirit.	Coal Handling guideline are being complied and compliance report is enclosed as Annexure – 6.
40	Coal Yard shall be equipped with Sprinklers for suppressing dust and also smouldering of coal.	
41	Yard shall have masonry drain along the periphery of yard to collect excess water sprinkled along with coal particles if any.	
42	Drains lead to coal pits where the coal particles get deposited and coal shall be salvaged periodically so as to avoid coal particles getting into nearby area and drain.	
43	The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g.	
		Being Complied as per applicability.

	<p>Directors of Industrial Safety &amp; Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.</p> <ul style="list-style-type: none"> <li>➤ Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.</li> <li>➤ Air borne dust shall be controlled with water sprinklers at suitable locations in the jetty premises.</li> <li>➤ A green belt shall be developed all around the jetty boundary and also along the roads to mitigate fugitive &amp; transport dust emission.</li> </ul>	
44	<p>Regular monitoring of ground level concentration of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.</p>	<p>Ambient air quality will be monitored as per EMP</p>
<b>SOLID/HAZARDOUS WASTE:</b>		
45	<p>There shall be no any Hazardous waste generation from the project activities.</p>	<p>Being Complied. No hazardous waste is generated during handling of cargo at KRIBHCO Jetty.</p>
46	<p>Any non-hazardous waste shall be disposed off as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.</p>	<p>No any non-hazardous waste generation during handling at KRIBHCO Jetty.</p>
<b>SAFETY:</b>		
47	<p>The approach channel shall be properly demarcated with lighted buoys for safe navigation and adequate traffic control guidelines shall be framed. The fishermen shall be suitably educated and informed about the traffic guidelines.</p>	<p>Complied</p>
48	<p>Local Oil Spill Contingency and Disaster Management Plan shall be prepared in consonance with the National Oil Spill and Disaster Contingency Plan.</p>	<p>Disaster Management Plan is enclosed as an Annexure – 7.</p>
49	<p>Necessary emergency lighting system along with emergency power back up system shall be provided at the jetty.</p>	<p>Has been provided.</p>
50	<p>Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.</p>	<p>Workers Safety Measures is enclosed as Annexure – 8.</p>
51	<p>First Aid Boxes shall be provided in adequate quantity at strategic locations.</p>	
52	<p>Training shall be given to all workers on safety and health aspects of handling chemicals.</p>	
53	<p>The project management shall prepare a comprehensive Disaster Management Plan (DMP) for the project as per the guidelines from Directorate of Industrial Safety and Health.</p>	<p>Disaster Management Plan is enclosed as Annexure – 7.</p>

	Detailed DMP prepared shall be implemented to bring down risk involved / hazards / accidents as low as reasonably practicable.	
54	Transportation of materials shall be as per the Motor Vehicle Act & Rules.	Being Complied as per Motor Vehicle Act & Rules.
55	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Disaster Management Plan (DMP).	Being Complied as per Disaster Management Plan enclosed as Annexure – 7.
56	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the prevailing norms.	Occupational health surveillance of the workers is being conducted time to time.
57	PP shall obtain fire safety certificate / Fire No-Objection certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.	KRIBHCO has its own fire station with firefighting team.
58	PP shall carry out mock drill within the premises as per the prevailing guidelines of safety and display proper evacuation plan in the manufacturing area in case of any emergency or accident.	Being Complied
59	PP shall install adequate fire hydrant system within premises and separate storage of water for the same shall be ensured by PP.	KRIBHCO has its own fire station with firefighting team
60	PP shall take all the necessary steps for control of storage hazards within premises ensuring incompatibility of storage raw material and ensure the storage keeping safe distance as per the prevailing guidelines of the concerned authority.	Not applicable
61	PP shall take all the necessary steps for human safety within premises to ensure that no any harm is caused to any worker/employee or labour within premises.	Being Complied
62	Flame proof electrical fittings shall be provided in the jetty premises, wherever applicable.	Complied
63	There shall be no use of any Hazardous chemicals within Jetty area.	Complied
<b>NOISE:</b>		
64	The overall noise level in and around the Jetty area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.	Noise Control Plan is enclosed as Annexure – 9.
<b>WASTE MINIMIZATION &amp; CLEANER PRODUCTION:</b>		

65	High pressure hose shall be used for cleaning/washing in order to reduce wastewater generation.	Being Complied
<b>GREEN BELT AND OTHER PLANTATION</b>		
66	The PP shall develop additional green belt in the area of 239.35 acres within premises (Existing: 237.35 Acres and Additional: 2 Acres i.e. 13.45 % of the total plot area) as submitted before SEAC. Green belt shall be developed with native plant species that are significant and used for the pollution abatement as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC / GPCB and submit an action plan of plantation for next three years to the GPCB.	KRIBHCO has developed green belt area of 237.35 acres within premises (Existing). Additional 2 Acres area is under development stage, 160 numbers of trees have been planted at periphery of coal yard in June-2022.
67	Drip irrigation/low volume, low angle sprinkler system shall be used for the green belt development within the premises.	Complied.
<b>OTHER CONDITIONS:</b>		
68	Project proponent shall install all environment management systems as per the CPCB/GPCB directives regarding the effluent discharge and air emission in working condition.	Not applicable. As there will be no air emission in working condition. Also, there will be no effluent discharge.
69	Project proponent shall display the copy of Environment Clearance at the site prominently.	Complied
70	Project proponent shall prepare and follow regular and preventive maintenance plan. The copy of same shall be submitted to SEIAA.	Noted, will be complied
71	Project proponent will have to display the safety procedure in working area.	We have provided safety procedure in working area.
72	The project proponent shall obtain all required permissions for safety, health and fire from competent authorities like PESO/Fire Authority etc. and intimates SEIAA.	Not Applicable as KRIBHCO has its own fire station with firefighting team and PESO is not applicable as there will be no storage of Hazardous Chemicals in working premises.
73	Project Proponent will intimate SEIAA/SEAC/GPCB after obtaining the membership of common facilities like CETP / TSDF / CHWIF / CMEE / Common Spray Dryer as the case may be.	Not Applicable as there will be no generation of Hazardous Waste.
74	Extra care will be taken by PP to avoid any accidental blast in boiler, reactor or any machinery in the plant.	No applicable as there is no boiler, reactor at KRIBHCO Jetty. Yet we have been taking necessary actions for prevention of any accident/incident.

75	Environment monitoring, training and disaster management plan should be undertaken and complied at regular interval.	Being Complied
76	Integrated Regional Office of MoEF&CC, Gandhinagar and GPCB will monitor all environment, safety & health norms as per the prevailing rules.	Noted
77	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	Noted
78	All the recommendations, EMP, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. Krishak Bharati Cooperative Limited (KRIBHCO) and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit by KRIBHCO.	All the recommendations, EMP, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s. Krishak Bharati Cooperative Limited (KRIBHCO) and commitments made during presentation before SEAC and proposed in the EIA report is being complied as per applicable by KRIBHCO.
79	A separate budget shall be earmarked for environmental management and socio-economic activities including the greenbelt / mangrove plantation and details thereof shall be furnished to F&ED, SEIAA as well as MoEF, Gol. The details with respect to expenditure from this budget head shall also be furnished along with compliance report.	Details of the Corporate Environment Responsibility (CER) is enclosed as Annexure – 10.
80	A separate environmental management cell with qualified personnel shall be created for environmental monitoring and management during construction and operational phases of the project.	Details of environmental management cell is enclosed as Annexure – 11.
81	The project shall be implemented in such a manner that there shall be no any hindrance to movement of fishing vessels or fishermen.	Noted & Being Complied
82	KRIBHCO shall bear the cost of the external agency that may be appointed by SEIAA or Forests & Environment Department [F&ED], Gujarat for supervision / monitoring of proposed activities and the environmental impacts of the proposed activities.	Noted
83	KRIBHCO shall regularly submit the half-yearly compliance report on the conditions stipulated in hard and soft copies to the regulatory authorities concerned, on 1 <sup>st</sup> June and 1 <sup>st</sup> December of each calendar year.	Half-yearly compliance report on the conditions stipulated in EC is being submitted.
84	Any other condition that may be stipulated by the SEIAA/F&ED from time to time for environmental protection/management purpose shall have to be complied with by the KRIBHCO.	Noted



85	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB) State Government and any statutory authority.	Noted & Being Complied as applicable
86	No further expansion or modifications in the project likely to cause environmental impacts shall be carried out without obtaining prior Environmental Clearance from the concerned authority.	Noted
87	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous and other Wastes (Management and Transboundary Movement) Rules 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Complied
88	The company shall undertake socio-economic developmental / community welfare activities as per the CSR Rules 2014.	Details of the Corporate Environment Responsibility (CER) is enclosed as Annexure - 10
89	The project proponent shall carry out the entire activities like Education, Infrastructure, Health and Environment proposed under Corporate Environment Responsibility (CER) and it shall be part of the Environment Management Plan (EMP) as per the MoEF&CC's OM no. F. No. 22-65/2017-IA.111 dated 30.09.2020. This shall be monitored and the monitoring report shall be submitted to the regional office of MoEF&CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.	
<b>COMPLIANCE OF ENVIRONMENT CLEARANCE/REPORTING/ ADMINISTRATION/ APPEAL:</b>		
90	Project proponent shall inform to all the concerned authorities including Municipal Corporation and District Collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the Environment Clearance order accorded.	Complied KRIBHCO has informed to the Surat Municipal Corporation and District Collector that amendment in EC has been granted the copies of letter attached at Annexure-12 Also, advertisement in two local newspapers has been published about the Environment Clearance order accorded and attached at Annexure-13
91	Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.	Complied
92	Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal department of the Government.	Being complied.

93	The Nodal department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of Environment clearance conditions.	Noted
94	In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance. The Environment Clearance accorded.	Noted
95	Any person including the project proponent affected by this Environment Clearance order may file appeal to Honourable National Green Tribunal West Zone branch, Pune; preferably within a period of thirty days from the date of issue of Environment Clearance as prescribe under section 16 of National Green Tribunal Act 2010.	Noted
96	All complains and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses (a) <a href="mailto:msseiaagi@gmail.com">msseiaagi@gmail.com</a> & (b) <a href="mailto:seacgujarat@gmail.com">seacgujarat@gmail.com</a>	Noted

For Krishak Bharati Cooperative Limited

**S. K. MOHAPATRA**  
Joint General Manager (Technical)  
Krishak Bharati Cooperative Limited  
PO.: KRIBHCO NAGAR,  
SURAT-394 515. (Gujarat)

**3): Submission of Period of compliance Report**

**Answer-3:** Half yearly returns are being submitted to all statutory bodies.

**4): Copy of Consent to Operate from GPCB.**

**Answer-4:** Unit has valid CTO Vide Letter No. AWH – 98272, Date of Issue 29th December, 2018 and valid till 11th December, 2024.

Amendment in CCA Order No. W-119663 Dated 22/08/2022.

**5): Show Cause/Closure Notice from GPCB**

**Answer-5:** Legal notice was issued by GPCB on 09.04.2021 for handling of clinker without permission. KRIBHCO had applied for CTE and CC&A amendment and received CTE & CC&A amendment on 30.03.2021 & 04.05.2021 respectively.

**6): Details of Court Case**

**Answer-6:** No Court case is pending.

**7) Information about any expansion/replacement/construction work undertaken without valid approval/EC.**

**Answer-7:** Unit has obtained Amendment in EC vide letter No. SEIAA/GUJ/EC/7(e)/756/2022 Dated 10th March, 2022.

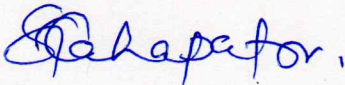
**8) PA shall clarify any directions of CPCB regarding online monitoring etc.**

**Answer-8:** Not Applicable.

**9): Data Sheet**

**Answer-9:** Data Sheet is attached herewith below

For Krishak Bharati Cooperative Limited



**S. K. MOHAPATRA**  
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# MONITORING THE IMPLEMENTATION OF ENVIRONMENT SAFEGUARDS

## MINISTRY OF ENVIRONMENT & FOREST, CLIMATE CHANGE INTEGRATED REGIONAL OFFICE, GANDHINAGAR MONITORING REPORT

### PART-1 DATASHEET


Sr. No.	Particulars	Reply
1	Project Type: River - Valley/ Mining Industry/Thermal/ Nuclear/ other (Specify)	7 (e), Ports, Harbours – Category - B
2	Name of the Project	M/s. KRISHAK BHARATI COOPERATIVE LIMITED (KRIBHCO)
3	Clearance letter (s)/OM No. & date	EC Vide Letter No. SEIAA/GUJ/EC/7(e)/295/2009 Dated 8 <sup>th</sup> December, 2009 from SEIAA, Gandhinagar.  CRZ Vide Letter No. 11-94/2009-IA-III Dated 20 <sup>th</sup> January, 2010  Amendment in EC vide letter No. SEIAA/GUJ/EC/7(e)/756/2022 Dated 10th March, 2022.
4	Location:  a) District (s) b) State (s) c) Location Latitude/Longitude	Hazira Unit, P.O. KRIBHCONAGAR, Surat - 394515, Tal: Chorasi, Dist: Surat (Gujarat). The longitude and latitude of the projects are 21° 8'46.95"N 72°42'44.74"E 21° 8'48.90"N 72°42'41.07"E 21° 8'47.07"N 72°42'39.42"E 21° 8'45.28"N 72°42'43.98"E
5	Address for Correspondence  a) Address for the concerned project Partner (with pin code & telephone/telex/fax numbers)  b) Address for executive project engineer/manager	M/s. KRISHAK BHARATI COOPERATIVE LIMITED (KRIBHCO) Hazira Unit, P.O. KRIBHCONAGAR, Surat - 394515, Tal: Chorasi, Dist: Surat (Gujarat)  a) Mr. S.K. Mahapatra - Joint General Manager (Technical) P.O. KRIBHCONAGAR, Surat-394515, Tal: Chorasi, Dist: Surat (Guj.) - +91-9687650091
6	Salient features a) Of the project  b) Of the EMP	a) In the existing Environment Clearance, permission for handling of bulk cargo at jetty has been taken for 7000 MT/Day and 1.4 Million MT/Year (which is lower than the actual handling capacity of Jetty). As the actual capacity of Jetty for handling of Bulk Cargo is 19200 MT/Day and 4.61 Million MT/Year, there will be no change in the existing infrastructure and machinery at Jetty

		<p>in the proposed enhancement of handling capacity in EC.</p> <p>b) Budget allocated for environmental management plan (EMP) is as under:</p> <ol style="list-style-type: none"> <li>1. Capital cost towards Pollution control measures: Rs. 6.05 Crores.</li> <li>2. Recurring cost towards Pollution control measures: Rs. 1.82 Cr/Annum</li> </ol>
7	<p>Breakup of the project area</p> <ol style="list-style-type: none"> <li>a) Submergence area: forest &amp; non-forest</li> <li>b) Others</li> </ol>	<ol style="list-style-type: none"> <li>a) No forest land is acquired. So there is no submerging area of forest &amp; non-forest.</li> <li>b) NA</li> </ol>
8	<p>Breakup of the project affected population with enumeration of those losing house/dwelling units only agricultural land only both dwelling units &amp; agricultural land &amp; landless laborers/artisans:</p> <ol style="list-style-type: none"> <li>a) SC, ST/Adivasi</li> <li>b) Others</li> </ol> <p>(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details &amp; year of survey)</p>	<p>Not applicable.</p> <p>As there is no acquisition of new land, Jetty is already existing in premises owned by KRIBHCO. Proposal is only for enhancement of handling capacity from 7000 MT/Day and 1.4 Million MT/Year (which is lower than the actual handling capacity of Jetty) to 19200 MT/Day and 4.61 Million MT/Year (Which is actual capacity of Jetty for handling of Bulk Cargo). There will be no change in the existing infrastructure and machinery at Jetty in the proposed enhancement of handling capacity</p>
9	<p>Financial details:</p> <ol style="list-style-type: none"> <li>a) Project cost as originally planned and subsequent revised estimates and the year of price reference</li> <li>b) Allocation made for EMP with item wise and year wise break-up</li> </ol>	<ol style="list-style-type: none"> <li>a) The existing Capital cost is 58.98 Cr. Additional Capital Cost of INR 1.74 Cr. Is budgeted with break up as below <ol style="list-style-type: none"> <li>1. It is proposed to add Air Curtain with 9 Mtrs height for plot 2 also, this will cost INR 67 Lakhs.</li> <li>2. Additional Sprinklers and water tankers with pumping facility. This will cost will be 45 lakhs</li> <li>3. Additional area for drainage system to take care of coal running water along with soak pits to salvage coal particles and re use water for sprinkling. This will cost 62 lakhs</li> </ol> </li> <li>2. With the addition of Capital Cost , there is additional budget of Operating cost of INR 11.0 lakhs P.a. and Maintenance cost of INR 12.7 Lakhs P.a.</li> </ol>

	<p>c) BC ratio/IRR and the year of assessment</p> <p>d) Whether (c) includes the cost of EM as shown in above</p> <p>e) Actual expenditure incurred on project so far</p> <p>f) Actual expenditure incurred on EMP so far</p>	<p>3. i) Allocation made for EMP with item wise break-up Drainage System and Pits for Collection of run-off in coal storage plot – Rs. 1 Cr.</p> <p>ii) Expenditure incurred for Mangroves plantation: Rs. 0.5 crores</p> <p>MS curtains, wind breaking screens 9-meter height of Mild steel, for storage of coal – Rs. 1.5 Cr.</p> <p>10 Nos. sprinklers each with 2.2 KW capacity &amp; 15 meters head will be provided on periphery of tinned wall and 02 Nos. Trailer pump/ water tanker of 10000 liters capacity having flow rate of 600 LPM &amp; Head of 22 meters with fire hose length 30 meters will be provided – Rs. 1.05 Cr.</p> <p>KRIBHCO has already developed green belt in an area of 237.35 Acres within KRIBHCO plant premises and in Township. Additional green belt in 2-acre land and 2100 Nos. of trees will be developed in the KRIBHCO Complex including jetty area – Rs. 0.3 Cr.</p> <p>Cost for conservation of Schedule1 species – Rs. 0.09 Cr.</p> <p>KRIBHCO has implemented rain water harnessing system in Plant &amp; Township area – Rs. 2 Cr.</p> <p>4. BCC Ratio considered is 1.3 and IRR of 17%</p> <p>5. YES</p> <p>6. 58.98 Cr</p> <p>7. 6.05 Cr</p> <p>The BC ratio and IRR considered is with the revenue projection over the period of 20 Years</p>
10	<p>Forest land requirement</p> <p>a) The status of approval for diversion of forest land for non-forestry use</p> <p>b) The status of clearing felling</p> <p>c) The status of CA, if any</p> <p>d) Comments on viability &amp; sustainability of CA program in the light of actual field experience so far</p>	<p>Not applicable as there is no forest land required.</p>
11	<p>The status of the clear felling in the non-forest areas (such as submergence area or reservoir, approach roads) if any with quantitative information required</p>	<p>Not applicable.</p> <p>There was no clear felling by the company.</p>
12	<p>Status of construction (Actual &amp;/or planned)</p> <p>a) Date of commencement (Actual &amp;/or planned)</p> <p>b) Date of completion (Actual &amp;/or planned)</p>	<p>There will be no change in the existing infrastructure and machinery at Jetty.</p>
13	<p>Reason for delay if project is yet to start</p>	<p>Project was completed within schedule time.</p>

14	Details of Site visit, a) The dates on which the project was monitored by the MoEF&CC, Regional office on previous occasions. (if applicable) b) Date of site visit for this monitoring report	22/05/2021  15/09/2022
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For Krishak Bharati Cooperative Limited



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