0191-2474553/0194-2490602
Government of India
Ministry of Environment, Forest & Climate Change
J&K ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
(at) DEPARTMENT OF ECOLOGY, ENVIRONMENT AND REMOTE SENSING
S.D.A. Colony, Bemina, Srinagar-190018 (May-Oct)/ Paryavaran Bhawan, Transport Nagar, Gladni, Jammu-180006 (Nov-Apr)
Email: jkseiaa@gmail.com, website:www.parivesh.nic.in

Shri S.N.H. Kazmi,
Prop. M/S Baba Farid- ud-din Bagdadi Minerals,
Barias Kothiyar Gypsum Mining project,
Village Barias, Tehsil & District Doda.

Subject:- Grant of Environment clearance in favour of Shri S.N.H. Kazmi, Prop. M/S Baba Farid-ud-din Bagdadi Minerals for Barias Kothiyar Gypsum Mining project at Village Barias, Tehsil & District Doda over an area of 15.18ha. under proposal No.**SIA/JK/MIN/59286/2019**

Reference:- i) Minutes of the Meeting of JKEAC held on 28th-30th January, 2021 issued vide No.EAC/JK/20/4711-24 dated 12-02-2021.
ii) Minutes of the Meeting of JKEIAA held on 18thFebruary, 2021 issued vide No. JKEIAA/2016/02/IV/204-08 dated:-18-02-2021.

-.-

Kindly refer your application received in this office on 18th January, 2021 for grant of Environment clearance for Barias Kothiyar Gypsum Mining project under the name & style of M/S Baba Farid- ud-din Bagdadi Minerals at Village Barias, Tehsil & District Doda over an area of 15.18ha. under proposal No.**SIA/JK/MIN/59286/2019.**

The JK Environment Impact Assessment Authority accorded approval to grant Environment Clearance in favour of Shri S.N.H. Kazmi, Prop. M/S Baba Farid-ud-din Bagdadi Minerals for Barias Kothiyar Gypsum Mining project at Village Barias, Tehsil & District Doda over an area of 15.18ha. under Environment Impact Assessment Notification, 2006 as amended from time to time.

Whereas, it has been noted that that the scheme of mining relates to years from 2015-16 to 2019-20 while as Environment clearance issued is from 2021 for a period of 5 years or upto validity of mining lease date whichever is earlier. Hence the Environment clearance is **subject to the condition that project proponent shall submit a revised scheme of mining with necessary corrections as prescribed duly approved by the competent Authority i.e., Geology Mining Department within period of three months from the date of issuance of Environment clearance.**

The geo-graphical co-ordinates of the project are as under:-

Pillars	Latitude	Longitude
P	33° 06'35.62"N	75° 26'17.52"E
Q	33° 06'35.62"N	75° 26'18.59"E
R	33° 06'39.65"N	75° 26'29.86"E
S	33° 06'38.84"N	75° 26'34.63"E
T	33° 06'35.36"N	75° 26'40.72"E
U	33° 06'28.55"N	75° 26'36.99"E
V	33° 06'31.65"N	75° 26'35.65"E
W	33° 06'33.61"N	75° 26'15.35"E
X	33° 06'30.45"N	75° 26'15.20"E
Y	33° 06'39.22"N	75° 26'15.57"E

The Environment clearance is also subject to the fulfillment of enclosed general & specific conditions:-

J&K S.E.I.A. Authority
Member Secretary
SEIAA

GENERAL CONDITIONS:

Statutory compliance.

a) This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
b) The Project proponent complies with all the statutory requirements and judgement of Hon'ble Supreme Court dated 2nd August,2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India &Ors before commencing the mining operations.
c) The State/UT Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgement of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Or
d) This Environmental Clearance shall become operational only after receiving formal Forest Clearance (FC) under the provision of Forest Conservation Act, 1980, if applicable to the Project.
e) Project Proponent (PP) shall obtain Consent to Operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish / Consent to Operate from the concerned State Pollution Control Board/Committee.
f) The Project Proponent (PP) shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there-under. Project Proponent (PP) shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.
g) The Project Proponent shall obtain consents from all the concerned land owners, before start of mining operations, as per the provisions of MMDR Act, 1957 and rules made there under in respect of lands which are not owned by it, if applicable to the project.
h) The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
i) The Project Proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of ground water for the project.
j) A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
k) The JK Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
l) The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.environmentclearance.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
m) The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than

Member Secretary SEIAA

mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.

Air quality monitoring & preservation

1 The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.

2 Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, mettled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipment's/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.

Water quality monitoring & preservation

1 In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from Central Ground Water Authority(CGWA). In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.

2 Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintained. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug well located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.

3 Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.

4 The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease and

Member Secretary SEIAA

maintain its records. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/ adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.

5 Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.

6 Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J- 20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.

7 Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.

8 The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.

Noise & vibration

1 The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.

2 The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.

3 The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.

S.E.I.A. Authority
Member
Secretary
SEIAA
Jammu

Mining plan

1 The Project Proponent shall adhere to the working parameters of approved mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management , O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form to Short Term Permit (STP), Query license or any other name.

2 The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining & Geology as required under the Provision of the MMDR Act, 1957 and Rules/ Guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.

3 The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.

Land reclamation.

1 The Overburden (O.B.) generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by D.G.M.S w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The topsoil shall be used for land reclamation and plantation.

2 The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.

3 The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum Progressive Mine Closure Plan.

4 The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.

5 The Project Proponent shall carry out slope stability study in case the dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC, Chandigarh.

S.E.I.A. Authority Member Secretary SEIAA Jammu

6 Catch water drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintained properly.

7 Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years' data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.

8 The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The physical parameters of the top soil dumps like height, width and angle of slope shall be governed as per the approved Mining Plan and as per the guidelines framed by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of dumps. The topsoil shall be used for land reclamation and plantation purpose.

Transportation

1 No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.

2 The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

Green belt

1 The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in final approved mine plan.

S.E.I.A. Authority Member Secretary SEIAA Jammu

2 The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.

3 The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the UT Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.

4 The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wildlife Warden of the J&K Govt. and implemented in consultation with the J&K Forest and Wildlife Department. A copy of Wildlife Conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry.

Public hearing & human health issues

1 The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly. PP shall also carryout Occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/ preventive measures be taken. A status report on the same may be sent to MoEFCC Regional Office and DGMS on half-yearly basis.

2 The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.

3 The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighborhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation, Personal Hygiene, Hand washing, not to defecate in open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line HRA for all the category of workers and thereafter every five years.

4 The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise Audiometric; for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn) Estimation in Blood; For Inorganic Chromium-

Member Secretary SEIAA

Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by NABH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure storage of the records including X-Ray. Only conventional X-Ray will be accepted for record purposes and not the digital one). X-Ray must meet ILO criteria (17 x14 inches and of good quality).

5 The Proponent shall maintained a record of performance indicators for workers which includes (a) there should not be a significant decline in their Body Mass Index and it should stay between 18.5 -24.9, (b) the Final Chest X-Ray compared with the base line X-Ray should not show any capacities ,(c) At the end of their leaving job there should be no Diminution in their Lung Functions Forced Expiratory Volume in one second (FEV1),Forced Vital Capacity (FVC), and the ratio) unless they are smokers which has to be adjusted, and the effect of age, (d) their hearing should not be affected. As a proof an Audiogram (first and last need to be presented), (e) they should not have developed any Persistent Back Pain, Neck Pain, and the movement of their Hip, Knee and other joints should have normal range of movement, (f) they should not have suffered loss of any body part. The record of the same should be submitted to the Regional Office, MoEFCC annually along with details of the relief and compensation paid to workers having above indications.

6 Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.

7 The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.

8 The project proponent shall implement Standard Operating Procedures(SOPs) and guidelines issued by the Ministry of Health & Family Welfare and the UT Disaster Management Authority of J&K with respect to containment of COVID-19 outbreak in the mining site.

Corporate environment responsibility (CER)

1 Project Proponent shall keep the funds earmarked for environmental protection measures in a separate account and refrain from diverting the same for other purposes. The Year wise expenditure of such funds should be reported to the MoEFCC and its concerned Regional Office.

2 The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M No 22-65/2017-IA. II (M) dated 01.05.2018 or as proposed by EAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual report of implementation of the same along with documentary proof viz. photographs, purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to Regional Office MoEF&CC annually along with audited statement.

S.E.I.A. Authority
Member Secretary
SEIAA

Miscellaneous

1 A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to Regional Office, MoEFCC, Chandigarh.

2 The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data / information / monitoring reports.

3 The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.

4 The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC &its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.

5 The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEFCC.

Other conditions:

1. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Institute by the proponent.

2. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, S02, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the institute in the public domain.

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

4. The Environmental Clearance shall be valid for a period of five years from the date of its issuance or as per guidelines from the MoEF&CC issued in this regard whichever is less.

5. Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

SPECIFIC CONDITIONS: -

1. The Environment Clearance is subject to compliance to all guidelines/Office Memorandums of MoEF&CC, GoI, Orders of Hon'ble Courts of competent jurisdiction, Orders from Hon'ble NGT issued from time to time with respect to cases involving violation of Environment Protection Act, 1986 or any other Law on the subject read with Rules made thereof.

2. This Environmental Clearance is without prejudice to the outcome of any petition lying disposal before any Hon'ble Court of competent jurisdiction.

S.E.I.A. Authority Member Secretary SEIAA

3. The Environmental Clearance is subject to NOCfrom the local villagers whose land is involved in the project besides, implementation of all decisions recorded mutually in the PH report during the public hearing.

4. The project proponent shall revise the Environment Management Plan with total budget of **50.00 lacs or***5% of the revenue earned during the violation period (from 2005 when the mining activity was started till 2016 when it was stopped by the Geology & Mining Dept. for want of EC as reported by PP) through mining of minerals from the site in violation of the EP Act by operating without a valid EC,* ***whichever is more, in accordance with Notification No. S.O 1030(E) dated 8th of March, 2018.*** The earmarked funds shall be spent over a period of 3 years on construction of protective retention walls, check dams, restoration of green cover and other eco-rehabilitation works under remediation plan, Natural and Community Resource Augmentation Plan which would also include; life and health insurance of miners including labourers involved in the mining activity directly or indirectly, upgradation of health facilities, shelters, toilets and drinking water facility for miners. After 3rd year, the EMP shall keep a recurring provision of **Rs 15.00 lacs per annum** under monitoring of ambient air quality, dust suppression, checking of soil erosion, green belt development, life and health insurance of miners including labourers involved in the mining activity directly or indirectly, maintenance of shelters, toilets, health facility and drinking water facility for miners and implementation of COVID-19 SOPs in the mining area. The revised version of the EIA/EMP giving year-wise allocation shall be submitted before formal grant of Environmental Clearance by JKUTEIAA. The consultant shall also rectify other mistakes in the documents pointed out during the deliberations.

5. Under Corporate Social Responsibility(CSR), The Project proponent shall spend funds within 2 km radial distance, on activities like regular health check-up of local villagers once a week with free medicines. Safe drinking water facility by way of renovation or digging of new tube wells and installation of water filters shall be undertaken. Skill development trainings shall be organized for unemployed local youth. Further, construction of toilets in schools, solar street lighting, free distribution of books, note books, N95 masks, hand sanitizers and school bags among students within 2 km radius from the mine area shall be undertaken.

6. Under EMP, with 2 kms radial distance from mine area; air, water, soil, noise pollution monitoring on half yearly basis, maintenance of haulage /extraction routes, water sprinkling, PPE to mine workers, bearing of school/college fee and allied costs on education of children of mine workers, bearing of all costs on aliments/healthcare of mine workers, creation of green belt by way of raising and maintenance of plantation on land identified by the local functionary of the Soil Conservation Department concerned in consultation with village panchayat during the period of mining, shall be undertaken.

7. The funds earmarked under EMP/CER and CSR shall be kept in separate accounts and shall not be diverted for other purposes. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office at Chandigarh.

8. In accordance with Notification No. S.O 1030(E) dated 8th of March, 2018, the project proponent shall submit a **bank guarantee equal to Rs 50.00 lacs or 5%** of the revenue earned (from the date of operation of the mine without EC to the date when the PP applied for grant of TOR) **whichever is more**, with the J&K Pollution Control Board before grant of Environmental Clearance and the same shall be released only after successful implementation of the Remediation Plan, Natural and Community Resource Augmentation Plan and on recommendation of the Regional Office of the Ministry of Environment, Forest & Climate Change (MoEF&CC), and JKEAC and after approval of the JK Environment Impact Assessment Authority.

9. The project proponent shall involve local panchayat in identification of works under CSR/CER/EMP and the funds shall be utilized in consultation with field functionaries of Government Departments.

S.E.I.A. Authority
Member Secretary
SEIAA
Jammu

10. The project proponent should concurrently back-fill the mined-out area, level it completely and restore the land for its future use as per technical guidelines prescribed in Mine closure plan. Compliance status should be submitted to the Ministry of Environment and Forests and its Regional Office Chandigarh on six monthly basis.
11. Check dams and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from mine working, soil and mineral dumps. The water so collected should be utilized for watering mine area, roads, green belt development etc. The drains should be regularly desilted and maintained properly.
12. Garland drain of appropriate size, gradient and length shall be constructed for mine pit and mineral dumps and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material.
13. The proponent shall not carry out drilling and blasting operations.
14. Automatic Air quality monitoring stations should be installed so that the PCB gets regular updates on air quality in the mine area and its surrounds.
15. Regular water sprinkling should be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
16. Vehicular emissions should be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded.
17. A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests in advance of final mine closure as per approved mining plan.
18. All measures should be taken for surveillance of the mined out mineral as per guidelines of the Ministry of Mines and the MoEF&CC if any in this regard.
19. Security arrangements, use of surveillance system, installation of weighbridge, GPS tracking system etc. needs to be put in place for prevention of illegal mining from the site.
20. All the provisions of Minor Mineral Rules sanctioned under SRO105 with all amendments with respect to pertinent provisions of the legal framework relating to progressive mine closure shall be complied by the Project Proponent.
21. This Environmental Clearance is subject to final outcome of any litigation pending before Hon'ble Supreme Court of India, Hon'ble High Court of Jammu & Kashmir, Hon'ble NGT, or any other Court of Law, if any, as may be applicable to this project.
22. This Environmental Clearance is without prejudice to the standing instructions /orders from the competent authorities in the MoEF&CC, GoI and the UT of J&K w.r.t mining activity.
23. The Project Proponent shall take all precautionary measures during mining operations for conservation and protection of endangered fauna and flora in the area.
24. Masks and PPE shall be provided to the workers in view of COVID-19.
25. Social distancing norms and other standard operating procedures relating to COVID-19 shall be followed during mining activity.
26. The plan worked out and expenditure made under Occupational Health should be undertaken in consultation with the Local Health Institution/PHC/Sub-Centre for utilization for the health and welfare of the local workers involved in mining activity and villagers living in the close vicinity. Regular Medical checkups and free medicines shall be provided under the fund.
27. The Project Proponent must ensure that the biological clock of the villagers in the vicinity of the project is not disturbed by any unauthorized night operations and all measures must be taken for keeping the noise levels within prescribed levels.

S.E.I.A. Authority
Member Secretary
SEIAA

28. Provision shall be kept for housing of the labour force, toilets, facilities for cooking, safe water, health care, crèche etc. for the labour force.
29. The top soil in case of surface land mining shall be temporarily stored at the designated / appropriate site and concurrently used for land reclamation.
30. The mining operations shall be undertaken in a systematic manner so that it does not damage the aesthetic view of the area.
31. The compliance report shall be submitted to the Regional Office of the MoEF&CC at Chandigarh with a copy to the Regulatory Authority.
32. The mining activity should in no case go beyond the area as mentioned in the lease deed and a buffer area is maintained such that the slopes of adjoining area does not get disturbed.
33. All the provisions made and restrictions imposed as covered in the Minor Mineral Rules, shall be complied with, particularly regarding Environment Management Practices and its fund management.
34. The mining shall be done in bench form as per mining plan approved by competent authority.
35. Mining should be initiated only after installation of signboards with demarcation pillars indicating the geo-coordinates of the plot as mentioned in the letter of intent , measurements (length /breadth) and should be laid in presence of the authorized official of the Geology & Mining Department. The demarcation pillars site should mention the specific EC conditions and contact details of concerned authorities responsible for monitoring of compliance of EC conditions/district administration/Police at four corners of the mining site prominently on a large size durable display board for enabling the public to inform the authorities in case of violation of the EC conditions. The display board with details shall be maintained in perfect order throughout the period of lease/mining.
36. There should be no change in the method of excavation and quantity of minerals to be extracted.
37. The EC holder shall keep a correct account of quantity of mineral mined out, dispatched from the mine, mode of transport, registration number of vehicle, person in-charge of vehicle and mine plan. This should be produced before officers concerned for inspection.
38. The access to mining site should be controlled in a way that vehicles carrying mineral from that area are tracked and accounted for in accordance with standing guidelines issued by the Govt.
39. The Geology & Mining Department should use technology like Bar Coding, Information and Communications Technology (ICT), Web based and ICT enabled services, mobile SMS App etc. to account for weight of mineral being taken out of the plot and the number of trucks moving out with the mineral.
40. The PP should ensure no agriculture land in the area is used for any storage of muck or gets damaged due to any other transportation activity. Whereever, damages to agricultural land, assets or human or bovine life by way of plying of trollies and tippers etc. involved in transportation of minor mineral is reported, the Project Proponent shall pay adequate compensation with penalty to the effected persons as to be fixed up by the competent authority.
41. Waste generated will be collected on regular basis and will be disposed as per the Municipal Solid Waste Management (Management & Handling) Rule 2000 and its subsequent amendments.
42. Spring sources should not be affected due to mining activities. Necessary Protection measures are to be incorporated.
43. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded.
44. Overloading of trucks and trolleys will be avoided.

S.E.I.A. Authority
Member
Secretary
SEIAA

45. All the instructions from authorities representing various government departments having stakes shall be complied with during the mining operations.
46. Haul road will be kept wide, compact and water spraying will be done. It shall be properly maintain by the PP and restored to original position after mining. Axel load on the roads should not exceed the prescribed load as per IRC.
47. Restricted working hours. Mining operation has to be carried out between 6 am to 7 pm. during day light. Mining operations shall not be allowed at night.
48. No overhangs shall be allowed to be formed due to mining and mining shall not be allowed in area where subsidence of rocks is likely to occur due to steep angle of slope. Mining activity shall not be avoided in rainy season.
49. Vehicles used for transportation of material are to be permitted only with fitness and PUC Certificates.
50. Adequate facility for drinking water and toilets should be provided for the workers.
51. Deep drilled handpump with sufficient funding provision should be earmarked for providing drinking facility to the labour force.
52. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted.
53. The PP shall be responsible for enforcement of COVID-19 standard operating procedures and guidelines with respect to safety of workers involved in the mining activity.
54. Health and safety of workers should be taken care of. They should also be provided training in safety and health care aspects.
55. Junction at takeoff point of approach road with main road be properly developed with proper width and geometry required for safe movement of traffic by concession holder at his own cost.
56. No stacking shall be allowed on road side along National Highway or any public road.
57. Concealing of any information/data of submission of wrong/fabricated information by the Project Proponent and failure to comply with any of the above conditions may lead to withdrawal of the EC and attract action under the provisions of EP Act, 1986.
58. Mining shall be done manually minimally supported by semi-mechanized methods. Heavy machinery like L&T hydraulic excavators etc. should not be allowed. Emphasis should be given to employment of locally available labour force to address the socio-economic concerns of the locals.
59. The progressive mine closure shall be as per Rules in vogue. All actions relating to progressive mine closure shall be taken well in advance during the final year of mining so that the site is rehabilitated ecologically.
60. The reasonable concerns expressed by the local population during public hearing or otherwise shall be addressed by the Project Proponent. No blasting operations shall be allowed.
61. The PP shall earmark funds strictly as per the revised Environmental Management Plan to be spent on environmental monitoring, dust sprinkling, green belt development, soil conservation, rehabilitation of mined out area and landscaping/regressing and haulage route maintenance. The detailed updated plan shall be submitted to JKEIAA as per above deliberations before grant of formal EC. Further, the CSR funds shall be earmarked and utilized as per CSR Rules.
62. The EC is subject to condition that the project proponent obtains NOC/authorization from the owners of the land if private land is also involved in the mining area.
63. Under CSR, within 2 km radial distance, activities like regular health check-up of local villagers once a week shall be undertaken with free medicines. Safe drinking water facility by way of renovation of existing tanks/wells, digging of new tube wells and installation of water filters shall be undertaken. Skill development trainings shall be organized for unemployed local youth. Further, construction of toilets in schools, solar street lighting, free distribution of books, note books, N95 masks, hand sanitizers and school bags among students within 2 km radius from the mine area shall be undertaken.

J&K S.E.I.A. Authority
Member Secretary SEIAA

Under EMP, with 2 kms radial distance from mine area; air, water, soil, noise pollution monitoring on half yearly basis and maintenance of haulage /extraction routes, water sprinkling, PPE to mine workers, bearing of school/college fee and allied costs on education of children of mine workers, bearing of all costs on aliments/healthcare of mine workers, creation of green belt by way of raising and maintenance trees on land identified by DFO Social Forestry concerned in consultation with village panchayat during the period of mining, shall be undertaken.

64. The JKEIAA reserves the right to impose any other condition in the EC at any time during the period of mining lease. The JKEIAA reserves the right to revoke the EC in case any of the environmental clearance conditions are violated during the mining activity. Mere grant of Environmental Clearance does not entitle the Project Proponent for grant of mining lease unless he obtains all other clearances as required under other provisions of law.

65. The project proponent shall undertake an environmental audit at least once a year by a reputed third-party expert entity and report of such audit shall be placed in public domain as per rules in vogue.

66. After ceasing the mining operations, the project proponent shall undertake re-grassing of the mining lease area and any other area which may have been disturbed due to mining activities and restore the area to a condition fit for growth of flora, fauna and fodder as per rules in vogue.

67. The EC shall be valid for a period of five years or till the validity period of lease, whichever is less,from the date of commencement of the mining operations duly certified by the District Mineral Officer concerned with intimation to the JKEIAA, JKPCB and the concerned District Administration.

68. An appeal against the EC shall lie with the Hon'ble NGT, if preferred within 30 days as prescribed under Section 16 of the NGT Act, 2010.

69. In the event any conflict in interpretation of Standard /General Conditions vis-a vis Specific Conditions, the Specific Conditions shall prevail.

70. Whereas, it has been noted that that the scheme of mining relates to years from 2015-16 to 2019-20 while as Environment clearance issued is from 2021 for a period of 5 years or upto validity of mining lease date whichever is earlier. Hence the Environment clearance is subject **to the condition that project proponent shall submit a revised scheme of mining with necessary corrections as prescribed duly approved by the competent Authority i.e., Geology Mining Department within period of three months from the date of issuance of Environment clearance.**

Sd/-
(Lal Chand), IFS,
Chairman, JKEIAA

No. JKEIAA/2017/27/1347-59 *Dated 18 - 05 - 2021*

Copy to the:

1. Commissioner/Secretary to Government, Industries & Commerce Department, J&K Government, Civil Secretariat for favour of information.
2. Commissioner/Secretary to Government, Forest Ecology & Environment Department, J&K Government Civil Secretariat for favour of information.
3. Chairman, J&K Pollution Control Board, Jammu. He is requested to properly monitor the Environment clearance conditions and monitoring report thereof may be submitted to this office quarterly failing which E.C. so issued will be treated as null & void.
4. Addl. Pr. Chief Conservator of Forests(Central) Ministry of Environment, Forest & Climate Change, Government of India, Bay No.24-225 31-Dakshan Mark Chanmdigarh-160030 for favour of information.

J&K S.E.I.A. Authority Member Secretary SEIAA

5. Deputy Commissioner, Doda. He is requested for giving requisite publicity as per procedure & to monitor the compliance of E.C. conditions. In case the E.C. conditions and Pollution control measures are not implemented/installed by the project proponent; the unit may be closed forthwith.
6. Director, Geology & Mining Department, J&K Government, Jammu for information. It may be ensured that all conditions of E.C. are fulfilled.
7. Chief Engineer, Irrigation & Flood Control Department, Jammu for information.
8. Director, Fisheries Department, Jammu for information.
9. Secretary, JK Expert Appraisal Committee, Srinagar for information.
10. Divisional Forest Officer (DFO) Doda for information.
11. Divisional Forest Officer (DFO) Social Forestry Department, Doda for information.
12. Parivesh portal.

Neelu Gera
18/5/2021
(Dr. Neelu Gera)IFS
Pr.CCF/ Director, EE&RS
Member-Secretary, JKEIAA

J&K S.E.I.A. Authority
Member Secretary SEIAA