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**Ministry of Environment, Forest & Climate Change, Govt. of India.
J&K EXPERT APPRAISAL COMMITTEE**



Department of Ecology, Environment & Remote Sensing
ParyavaranBhavan, Gladeni, Transport Nagar, Narwal, Jammu Tawi(November-April)
SDA Housing Colony, Bemina, Srinagar, Kashmir(May-October)
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MINUTES OF MEETING

MINUTES OF 8th MEETING OF THE JK EXPERT APPRAISAL COMMITTEE HELD FROM 15/07/2020 TO 16/07/2020 VIA VIDEO CONFERENCING OWING TO COVID-19 OUTBREAK AND SUBSEQUENT LOCKDOWN

The following attended the sessions via video conferencing:

1. Mr.S.C. Sharma, IFS(Rtd.)	Chairman
2. Mr. M.A Tak, IFS(Rtd.)	Member
3. Mr. B.B. Sharma	Member
4. Mr. Irfan Yasin	Member
5. Prof. Shakil Ahmad Romshoo	Member
6. Prof. Anil Kumar Raina	Member
7. Prof. Arvind Jasrotia	Member
8. Prof. G.M Dar	Member
10. Professor Falendra Kr. Sudan	Member
11. Mr. H.L Langeh, Dy. Director, G&M Dept.	Special Invitee
12. Mr. Humayun Rashid	Secretary

In pursuance to meeting notice issued vide No: EAC/JK/20/1165-85 dated 06/07/2020, addendum bearing No: EAC/JK/20/1186-96 dated 11/07/2020, addendum No.2 issued vide No: EAC/JK/20/1197-1212 dated 13/07/2020 and addendum No.3 issued vide No: EAC/JK/20/1213-28 dated 14/07/2020, the 8th meeting of JKEAC was held on 15/07/2020 and 16/07/2020 via video conferencing. The proceedings are recorded here as under: -

At the very outset, the Secretary, JKEAC welcomed the Chairman other members of the JKEAC and gave a brief overview of the cases listed for discussion. The meeting proceeded in the following sequence: -

Agenda Item No: 01 Introductory discussion among members on the listed cases, to confirm the minutes of the 7th JKEAC meeting held on 09/06/2020, 10/06/2020, 11/06/2020 and 13/06/2020 and to discuss any other important issue that needs kind attention of the JK Expert Appraisal Committee/JKEIAA.

Deliberation:

The members confirmed the Minutes of meeting of the 7th JKEAC held via video conferencing.

The news items relating to large scale illegal exploitation of river bed material in different streams of the Union Territory reportedly going on unchecked without any Environmental

Clearance, circulating in the print and social media over the last fortnight came under discussion and the members expressed their grave concern over issue.

Besides, the issue relating to replenishment studies of the river-bed mining areas also came under discussion. The committee expressed its concern on the non-availability of any authentic replenishment data and sketchy District survey reports. The members recalled the discussions held on the subject in the 3rd JKEAC during December, 2019 when it was decided that the validity of EC's may be limited to only 3 years instead of 5 years so that at the time of extension of validity period of the EC for another 2 years, the environmental issues arising out of the mining activity if any, could be reviewed and appropriate mitigation measures recommended. The members also recalled that during this session, the JKEAC had desired that the Geology & Mining Department should get a comprehensive EIA study conducted on catchment basis for mineral exploitation activity for entire Union Territory of Jammu & Kashmir by some reputed institution so that cumulative environmental impacts arising out of the activity on an unprecedented scale, as is coming to fore due to e-auctioning of a large number of mining blocks, may be properly mitigated by having a comprehensive EMP in place. The Committee asked Mr. H L Langeh, Dy. Director, Geology & Mining Department to apprise the forum about the progress achieved in this regard during the last 7 months period from December, 2019 till date. Mr. Langeh informed the forum that the replenishment studies and necessary enrichment of district survey reports was in progress.

Recommendation:

1. The members strongly recommended that the JKEIAA needs to take up the matter of reported illegal extraction of riverbed material across UT of J&K with the authorities and issue strict advisories to Divisional Commissioner(Jammu), Divisional Commissioner(Kashmir), all the Dy. Commissioners, the Pollution Control Board and the Geology and Mining Dept. to ensure that no extraction of riverbed material is allowed without a valid Environmental Clearance. The violation if done so be dealt strictly as as per rules including cancellation of the contract allotments. Further, it was recommended that the JKEIAA may issue Public Notices elucidating the procedure for grant of EC under various categories of projects and publicise checklist of documents required to be uploaded in print media for general information and guidance of the minor mineral block allottees.
2. The Committee recommended that the JKEIAA may recommend to Govt. that a guiding policy frame work be formulated for extraction of minerals mainly by J&K Minerals Ltd./JKPCC/ or any other appropriate government agency in the UT on the analogy of timber extraction by the Forest Corporation in future with enforcement checks through the use of the latest surveillance technology.
3. The Committee recommended that the JKEIAA needs to seek the progress achieved by the Geology & Mining Department in conducting replenishment studies of the streams where mining blocks have been allotted and to report how far the district survey reports have been enriched by conduct of such studies.
4. The members also desired that instead of asking the project proponents to obtain NOCs from the stake holder departments, the Geology & Mining Department can obtain NOCs en-mass in the stretch of blocks against each of the e-auctioned/allotted mining blocks from the concerned line departments including Forest Department, Irrigation Dept, Flood Control Dept., and Fisheries department before putting the mining block(s) to auction and even for cases already allotted through e-auctioning so that the project proponents are not put to any hardships and time taken to appraise the projects is reduced.

Agenda Item No: 02	Grant of Environment Clearance in favour of M/S ADARSH BUILDESTATE LTD (Group Housing Project “Palm Riviera”) 5th Floor Global Business Square Building No 32 sec 44, Institutional area, Gurgaon, Haryana-122002.
Proposal No:	SIA/JK/MIS/134510/2020
File No:	SEAC/2016/05
Title of the Case:	Application for Environment Clearance for Group Housing Project "Palm Riviera" on plot measuring 8542.82 sq. m located at khewat no. 145, khata no.322 min., khasra no. 136 min, Village- Sidhra, Tehsil & District- Jammu, Jammu & Kashmir promoted by Adarsh Builde state Limited.

Deliberations:

The Secretary informed the Members that the project had been listed in one of the recent meetings of the JKEAC during which the case had been considered as a violation case as the project proponent had raised the construction without a valid EC and as per guidelines, the JKEIAA had initiated action and treated the project in terms of MoEF&CC Notification No. 804(E) dated 14th of March, 2017 and Notification No. S.O 1030(E) dated 8th of March, 2018. In the said 5th meeting, the forum had recommended the case for grant of EC subject to the condition that the project proponent shall submit a remediation plan, community resource augmentation plan and natural resource augmentation plan equal to the environmental damage caused and the same in addition to CER and CSR be submitted to the JKEIAA/JKEAC prior to grant of such clearance. However, the project proponent had submitted only the remediation plan, community resource augmentation plan and natural resource augmentation plan to the JKEIAA which has now referred it to this form for further examination. The pertinent part of the minutes of meeting of the 5th JKEAC were discussed and it was unanimously desired that the project proponent/consultant be asked to immediately submit the CER and CSR plans in accordance with recommendations made earlier and then only it would be useful to allow him to present the project. Accordingly, the consultant was asked to submit and present the plans for CER and CSR in addition to the remediation, community and natural resource augmentation plans on 16/07/2020 during presentation. On 16th of July, 2020, the consultant was allowed to give a presentation on the various plans mandated formulation prior to the issuance of EC in accordance with the recommendations made during the 5th JKEAC.

Recommendation:

In the light of discussions, the Committee agreed to the plans proposed by the consultant but desired that the project proponent must strictly spend the funds as per the recommendations made in the 5th JKEAC in consultation with local community representatives and local officers of the concerned line departments with necessary checks and balances to be ensured by the enforcing agencies particularly J&K Pollution Control Board to which the project proponent shall submit a requisite bank guarantee as per the recommendations made earlier. The copy of summary remediation plan, community resource augmentation plan, natural resource augmentation plan, Corporate Environment Responsibility plan and Corporate Social Responsibility Plan shall form annexure to these minutes of meeting for future record and reference.

Agenda Item No: 03 Grant of Environment Clearance in favour of M/S IND SWIFT LABORATORIES LTD.
Proposal No: SIA/JK/IND2/152747/2020.
File No: SEAC/2018/64.
Title of the Case: Grant of Environment Clearance for Expansion of M/S Ind Swift Laboratories Ltd. located at SIDCO Industrial Growth Center, Phase1, Tehsil Samba, Distt. Samba, Jammu & Kashmir.

The Secretary informed the forum that the Committee had recommended the case for grant of EC subject to one of the specific condition that the project proponent shall obtain a certificate from the office of Drug Controller, UT of J&K or Indian Council of Medical Research(ICMR) or any other Competent Authority in the field, stating therein that the bulk drug API manufacturing unit M/S Indswift Laboratories, Samba Industrial Estate, manufactures bulk drugs and intermediates for addressing ailments such as Novel Corona Virus (COVID-19) and those with similar symptoms and that the project proposal for expansion of capacity of the unit by increasing the production capacity from 130.8TPA to 294.3TPA with introduction of new products, qualifies for benefit of treating the unit under B2 category for grant of Environmental Clearance. However, subsequently the project proponent has approached the JKEIAA and produced copy of communication bearing No. F No. 22-25/2020/IA.III dated 15th of May, 2020 whereunder the Scientist(F)/Director, MoEF&CC, GoI has clarified to the Gujarat State Expert Appraisal Committee as under:-

'In this regard, it is informed that the operating paragraph of the notification clearly mentions that the all proposals for projects or activities in respect of Active pharmaceutical Ingrates " (API) received upto 30th September, 2020, shall be appraised as Category B2 which includes API proposals having concern over various ailments not limited to ailment of Novel Corona Virus (COVID-19) alone. However, the violation proposals shall not be considered under this notification'.

Recommendation:

In view of the above clarification from the MoEF&CC, GoI, New Delhi, the JKEAC unanimously recommended waiving off of the pertinent specific condition No.1 recorded in the minutes of meeting issued by this office vide No: JKEAC/JK/2020/950-64 dated: 20/06/2020.

Agenda Item No: 04 Grant of Environment Clearance in favour of M/S J&K Minerals Ltd. (A J&K Govt. Undertaking) 5th Floor, Jawahar Lal Nehru Udyog Bhawan, Rail Head Complex, Jammu, J&K.
Proposal No: SIA/JK/MIN/160022/2020
File No: SEAC/JK/20/188.
Title of the Case: Grant of Environment Clearance for "Minor Mineral (River Bed Material)" Block No-1/10, River Suran Downstream Madana Bridge of Area- 3.54 Ha, Village- Madana, Tehsil-Poonch, District- Poonch, State- J & K.

Deliberations:

The project proponent was presented by Mr. Irfan, Company Secretary, JK Minerals Ltd. and the consultant Mr. Anand Gupta from M/S Globus Environment Engineering Solutions, Lucknow who gave a power point presentation during which some serious mistakes like reporting a railway station in the vicinity of the project site, which is not only misrepresentation of facts but depicts

a casual approach in data compilations. Factually, no such facility exists at all in the area. Further, it was found that within a small designated stretch of 100 & odd mts. of river length of the project area, the consultant reported a gradient of 13 mts. which is not in conformity with photographic evidence presented by the consultant. This kind of fall in the river is technically not fit for any sand mining. The members expressed their dismay at the consultant as he had been found habitual of repeating mistakes and misleading the forum every now and then. When the members sought clarifications on the presented errors, the consultant responded that he has not visited the site and responded in a highly objectionable way not in line with professional behaviour and ethics expected from a NABET accredited consultant. All the members took strong exception to such blatant ignorance of ground reality and undesirable misconduct on the part of the consultant. The Committee deliberated on recommending the consultant and the firm he represents for blacklisting in UT of J&K but took a lenient view considering the fact that the consultant is representing over a hundred PPs in J&K and blacklisting him would cause undue hardships to these PPs who are not at all at any fault.

Recommendation:

The JKEAC recommended a strong reprimand by JKEIAA against the consultant. Besides, the matter was deliberated with the Managing Director, J&K Minerals-project proponent in this case through video conferencing and members demanded appropriate action against the consultant including forfeiture of his security deposit/EMD if any with the PP. Besides, the PP was asked to either change the consultant or present the case himself keeping in view the govt. interests. The PP agreed to change the consultant and to rectify the mistakes in the submitted documents and to present the cases on 20th of July 2020. The Secretary was accordingly asked to issue the meeting notice for appraisal of the three projects listed under agenda item 4,5 and 6. The committee also recommended that the JKEIAA may consider informing MOEF&CC about the state of affairs of the documentation by NABET /QCI accredited consultants in absence of any NABET/QCI accredited consultant in UT of J&K and the hardships the PPs are facing in finding a competent consultant with local knowledge. It further recommended to allow the non NABET/QCI accredited local institutions like Jammu University, Kashmir University, National Institute of Technology, Central University of Kashmir, Central University of Jammu, University of Agricultural Sciences, Jammu/Srinagar to present the cases of PPs seeking EC/TOR or alternatively make it mandatory of Non-local NABET/QCI accredited consultants to tie up with local functional area experts /professionals /consultants/ domain experts for improving the technical content of the EIA/EMP/ Prefeasibility reports and other technical documents lacking local knowledge.

Agenda Item No:7

	Grant of Environment Clearance in favour of J&K PCC Ltd., Rail Head Complex, Jammu (TAWI),
Proposal No:	SIA/JK/MIN/162899/2020.
File No:	SEAC/JK/20/189.
Title of the Case:	Grant of Environment Clearance for Jad khad River Bed Mining Project under Block No. 5/27 of Area 3.8 Hectare at Village- Jadh, Tehsil Jourian, District-Jammu Union Territory- J&K, India.

Deliberations:

The Secretary informed the forum that the project had previously been auctioned and allotted to one Balbir Singh and subsequently the block was re-allotted to JKPCCC vide Govt. order No. 95-IND of 2020 dated 27/05/2020 as per letter No. 1/MCC/DGM/JKML/MM/1331-35 dated 9/07/2020 issued by Director, Geology & Mining Department. On 16/07/2020, the project was represented by Shri Harkewal Singh, General Manager, JKPCCC from the side of Project Proponent and by M/S Global Management and Engineering Consultants International, Jaipur. The consultant gave a detailed presentation on the project and provided a live demo on Google Earth using the KMZ file of the area. During discussion, some members referred to the cluster certificate issued by the Geology & Mining Department vide letter No. 866/MCC/DGM/JKPCCC/20/1375-76 dated 11/07/2020 whereunder it has been stated that the minor mineral block No. 5/27 lies at a distance of 737 m from one mining block and 155 m from another mining block. They further observed that as per MoEF&CC guidelines, the mining block forms a cluster with another mining block at a distance of 155m and therefore qualifies to be treated under B1 category under cluster approach where EIA/EMP and Public Hearing is mandatory as per rules and standing guidelines. The Secretary requested Mr. HL Lengeh, Dy. Director, Geology & Mining Department-special invitee representative of the Geology & Mining Department to clarify if the mining block lying at a distance 155m could be relocated. But Mr. Lengeh informed that the mining block stands already allotted and relocating it would not be possible at this stage.

Recommendations:

The committee recommended that the said mining block No. 5/27 allotted to JKPCCC and another allotted mining block lying at a distance of 155m form a cluster and as per MoEF&CC guidelines, it needs to be treated under B1 category. Accordingly, the project proponent be advised to apply either jointly with the project proponent of the block forming cluster with mining block 5/27 or JKPCCC may apply for ToR and EC individually as per convenience under the relevant category B1 as per procedure and rules in vogue.

Agenda Item No:8	Grant of Terms of Reference (ToR) in favour of J&K PCC Ltd., Rail Head Complex, Jammu (TAWI),
Proposal No:	SIA/JK/MIN/54583/2020.
File No:	SEAC/JK/20/190.
Title of the Case:	Proposed River Bed Mineral Mine near Pallai Devta bridge in Tawi River, Block 05 at Udhampur with an area of 8.7 ha.

The Secretary informed the forum that previously an LoI had been issued by the Geology & Mining Dept. in favour of one Balbir Singh who had been recommended ToRs in the 3rd JKEAC meeting held during December 2019. However, subsequently, the mining block has been allotted by the Govt. to JKPCCC vide Govt. order No. 95-IND of 2020 dated 27/05/2020. The various events leading to the allotment of the mining block in favour of JKPCCC as elucidated in the letter No. 01/MCC/DGM/J&KML/MM/ 1248-52 dated 04/07/2020 from Director Geology & Mining Dept. were brought to the notice of the JKEAC. Now, the JKPCCC has applied for grant of TORs for preparation of the EIA/EMP enabling them to apply for EC as per procedure. The project was represented by Shri Harkewal Singh, General Manager, JKPCCC from the side of Project Proponent and by M/S Global Management and Engineering Consultants International, Jaipur. During power point presentation, live demo on Google Earth was given by the consultant using KMZ file of the project site. After thorough

deliberations the following general and specific ToRs were recommended in favour of the Project:-

STANDARD TERMS OF REFERENCE

- 1) Year-wise production details should be given, clearly stating the highest production achieved in any one year.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the areas should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided on high resolution satellite image on with geological map of the area, geomorphology of land-forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.

11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.

12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.

13) Status of forestry clearance for the broken-up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.

14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.

15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.

16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.

17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.

18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.

19) Proximity to Areas declared as 'Critically Polluted' should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.

20) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their

requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.

21) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.

22) Air quality modelling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modelling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.

23) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.

24) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.

25) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.

26) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.

27) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.

28) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.

29) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.

30) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.

31) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.

32) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.

33) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.

34) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.

35) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.

36) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

37) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.

38) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.

39) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

40) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

- 41) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 42) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 43) Besides the above, the below mentioned general points are also to be followed:
- a) Executive Summary of the EIA/EMP Report
 - b) All documents to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - e) Where the documents provided are in a language other than English, an English translation should be provided.
 - f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
 - j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

SPECIFIC TERMS OF REFERENCE

1. Impact of mining activity on adjacent agricultural land with particular reference to run off, soil erosion and top-soil loss due to change in topography.
2. Details of Gradient of riverbed and 3-D view draped on the satellite image
3. Details of excavation schedule & sequential mining plan.

4. Details of transportation of mined out materials with respect to axle load specified for the road as per the Indian Road congress for both the ways (loaded as well as unloaded trucks) load and its impact on the environment.
5. Impact on mining activity on the existing land use in the study area.
6. Impact on mining on aquatic life.
7. NOCs from competent authority of Forest Department, Irrigation and Flood Control Dept. and Fisheries Dept. should be obtained and submitted while applying for EC
8. Excavation to be carried out upto a maximum depth of 1 m in the riverbed or 1 m above water table whichever comes first.
9. Specific measures to be undertaken to mitigate the impact of mining activity on the habitat and migration of fish in the river/stream and concurrence thereof from the Fisheries Department.
10. The Photography and videography of the mining block shall be part of the Terms of Reference.
11. The maps shall be submitted on a scale of 1: 3000 and 1: 1500 within 10 kms. Radius
12. The shortest extraction route leading to the main road but with minimum interference with human settlements should be identified and it should be properly black topped.
13. Dust suppression measures should be prescribed in the EIA/EMP.

The prescribed TORs would be valid for a period of **three years** for submission of the EIA/EMP reports, as per the O.M. No. J-11013/41/2006-IA.II(I) dated 22.3.2010, 22.08.2014, 08.10.2014 and 07.11.2014.

Besides, the TORs are recommended without prejudice to the standing court orders, if any, w.r.t the concerned mining project or final outcome of writ petitions/LPAs pending disposal before any competent court of law w.r.t the concerned mining block.

After preparing the EIA/EMP (as per the generic structure prescribed in Appendix- III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will apply for EC on the Parivesh Portal of the MoEF&CC and submit all the relevant documents including Public Hearing report in accordance with the procedure prescribed under the EIA Notification, 2006.

Agenda Item No:9	Grant of Terms of Reference (ToR) in favour of J&K PCC Ltd., Rail Head Complex, Jammu (TAWI),
Proposal No:	SIA/JK/MIN/54586/2020.
File No:	SEAC/JK/20/191.
Title of the Case:	Proposed Mining Minor Mineral Block 2/3 Project of Area 9.8 Hectare at District-Samba, Jammu Kashmir(Union Territory).

The Secretary informed the forum that previously an LoI had been issued by the Geology & Mining Dept. in favour of one Rakesh Kr. Choudary who had been recommended ToRs in the 3rd JKEAC meeting held during December 2019. However, subsequently, the mining block has been allotted by the Govt. to JKPCCC vide Govt. order No. 95-IND of 2020 dated 27/05/2020. The various events leading to the allotment of the mining block in favour of JKPCCC as elucidated in the letter No. 01/MCC/DGM/J&KML/MM/ 1248-52 dated 04/07/2020 from Director Geology & Mining Dept. were brought to the notice of the JKEAC. Now, the JKPCCC has applied for grant of TORs for preparation of the EIA/EMP enabling them to apply for EC as per procedure. The project was represented by Shri Harkewal Singh, General Manager, JKPCCC from the side of Project Proponent and by M/S Global Management

and Engineering Consultants International, Jaipur. During power point presentation, live demo on Google Earth was given by the consultant using KMZ file of the project site. After thorough deliberations the following general and specific ToRs were recommended in favour of the Project:-

STANDARD TERMS OF REFERENCE

- 1) Year-wise production details should be given, clearly stating the highest production achieved in any one year.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the areas should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided on high resolution satellite image on with geological map of the area, geomorphology of land-forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared

to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.

11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.

12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.

13) Status of forestry clearance for the broken-up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.

14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.

15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.

16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.

17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.

18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.

19) Proximity to Areas declared as 'Critically Polluted' should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.

20) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement

Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.

21) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.

22) Air quality modelling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modelling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.

23) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.

24) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.

25) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.

26) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.

27) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.

28) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.

29) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.

30) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.

31) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.

32) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.

33) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.

34) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.

35) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.

36) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

37) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.

38) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.

39) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

- 40) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 41) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 42) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 43) Besides the above, the below mentioned general points are also to be followed:
- a) Executive Summary of the EIA/EMP Report
 - b) All documents to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - e) Where the documents provided are in a language other than English, an English translation should be provided.
 - f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
 - j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

SPECIFIC TERMS OF REFERENCE

1. Impact of mining activity on adjacent agricultural land with particular reference to runoff, soil erosion and top-soil loss due to change in topography.
2. Details of Gradient of riverbed and 3-D view draped on the satellite image
3. Details of excavation schedule & sequential mining plan.
4. Details of transportation of mined out materials with respect to axle load specified for the road as per the Indian Road congress for both the ways (loaded as well as unloaded trucks) load and its impact on the environment.
5. Impact on mining activity on the existing land use in the study area.
6. Impact on mining on aquatic life.
7. NOCs from competent authority of Forest Department, Irrigation and Flood Control Dept. and Fisheries Dept. should be obtained and submitted while applying for EC
8. Excavation to be carried out upto a maximum depth of 1 m in the riverbed or 1 m above water table whichever comes first.
9. Specific measures to be undertaken to mitigate the impact of mining activity on the habitat and migration of fish in the river/stream and concurrence thereof from the Fisheries Department.
10. The Photography and videography of the mining block shall be part of the Terms of Reference.
11. The maps shall be submitted on a scale of 1: 3000 and 1: 1500 within 10 kms. Radius
12. The shortest extraction route leading to the main road but with minimum interference with human settlements should be identified and it should be properly black topped.
13. Dust suppression measures should be prescribed in the EIA/EMP.
14. Measures should be prescribed so that gradient of the stream is not be altered and flow of water is not disturbed.

The prescribed TORs would be valid for a period of **three years** for submission of the EIA/EMP reports, as per the O.M. No. J-11013/41/2006-IA.II(I) dated 22.3.2010, 22.08.2014, 08.10.2014 and 07.11.2014.

Besides, the TORs are recommended without prejudice to the standing court orders, if any, w.r.t the concerned mining project or final outcome of writ petitions/LPAs pending disposal before any competent court of law w.r.t the concerned mining block.

After preparing the EIA/EMP (as per the generic structure prescribed in Appendix- III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will apply for EC on the Parivesh Portal of the MoEF&CC and submit all the relevant documents including Public Hearing report in accordance with the procedure prescribed under the EIA Notification, 2006.

Agenda Item No:10 Grant of Terms of Reference (ToR) in favour of J&K Minerals Ltd, 5th Floor, Jawahar Lal Nehru Udyog Bhawan, Rail Head Complex, Jammu, J&K.

Proposal No: SIA/JK/MIN/54654/2020.

File No: SEAC/JK/20/192.

Title of the Case: Proposed River Bed Mineral area 9.57 Ha located at Block No: 05/1, River Chenab, District Jammu.

The Secretary informed the forum that previously an LoI had been issued by the Geology & Mining Dept. in favour of one Nagar Singh. However, subsequently, the mining block has been allotted by the Govt. to JK Minerals Ltd vide Govt. order No. 95-IND of 2020 dated

27/05/2020. The various events leading to the allotment of the mining block in favour of JK Minerals Ltd as elucidated in the letter No. 01/MCC/DGM/J&KML/MM/ 1248-52 dated 04/07/2020 from Director Geology & Mining Dept. were brought to the notice of the JKEAC. Now, the JK Minerals Ltd has applied for grant of TORs for preparation of the EIA/EMP enabling them to apply for EC as per procedure. The project was represented by Shri Vikram Gupta, MD, JK Minerals Ltd and Mr. Irfan Company Secretary from the side of Project Proponent and by M/S M/s OCEAO-ENVIRO Management Solutions (India) Private Limited, 217, 1st Floor, Sector 12, Judge Colony, Vasundhara, Ghaziabad, U.P – 201012. During power point presentation, live demo on Google Earth was given by the consultant using KMZ file of the project site. After thorough deliberations the following general and specific ToRs were recommended in favour of the Project:-

STANDARD TERMS OF REFERENCE

- 1) Year-wise production details should be given, clearly stating the highest production achieved in any one year.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the areas should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided on high resolution satellite image on with geological map of the area, geomorphology of land-forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large may also be detailed in the EIA Report.
- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.

- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
- 13) Status of forestry clearance for the broken-up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.

19) Proximity to Areas declared as 'Critically Polluted' should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.

20) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.

21) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM₁₀, particularly for free silica, should be given.

22) Air quality modelling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modelling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.

23) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.

24) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.

25) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.

26) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.

27) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central

Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.

28) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.

29) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.

30) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.

31) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.

32) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.

33) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.

34) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.

35) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.

36) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

37) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.

38) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.

39) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

40) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

41) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.

42) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.

43) Besides the above, the below mentioned general points are also to be followed:

a) Executive Summary of the EIA/EMP Report

b) All documents to be properly referenced with index and continuous page numbering.

c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.

d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.

e) Where the documents provided are in a language other than English, an English translation should be provided.

f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.

g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.

h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.

i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.

j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections

and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

SPECIFIC TERMS OF REFERENCE

1. Impact of mining activity on adjacent agricultural land with particular reference to run off, soil erosion and top-soil loss due to change in topography.
2. Details of Gradient of riverbed and 3-D view draped on the satellite image
3. Details of excavation schedule & sequential mining plan.
4. Details of transportation of mined out materials with respect to axle load specified for the road as per the Indian Road congress for both the ways (loaded as well as unloaded trucks) load and its impact on the environment.
5. Impact on mining activity on the existing land use in the study area.
6. Impact on mining on aquatic life.
7. NOCs from competent authority of Forest Department, Irrigation and Flood Control Dept. and Fisheries Dept. should be obtained and submitted while applying for EC
8. Excavation to be carried out upto a maximum depth of 1 m in the riverbed or 1 m above water table whichever comes first.
9. Specific measures to be undertaken to mitigate the impact of mining activity on the habitat and migration of fish in the river/stream and concurrence thereof from the Fisheries Department.
10. The Photography and videography of the mining block shall be part of the Terms of Reference.
11. The maps shall be submitted on a scale of 1: 3000 and 1: 1500 within 10 kms. Radius
12. The shortest extraction route leading to the main road but with minimum interference with human settlements should be identified and it should be properly black topped.
13. Dust suppression measures should be prescribed in the EIA/EMP.

The prescribed TORs would be valid for a period of **three years** for submission of the EIA/EMP reports, as per the O.M. No. J-11013/41/2006-IA.II(I) dated 22.3.2010, 22.08.2014, 08.10.2014 and 07.11.2014.

Besides, the TORs are recommended without prejudice to the standing court orders, if any, w.r.t the concerned mining project or final outcome of writ petitions/LPAs pending disposal before any competent court of law w.r.t the concerned mining block.

After preparing the EIA/EMP (as per the generic structure prescribed in Appendix- III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will apply for EC on the Parivesh Portal of the MoEF&CC and submit all the relevant documents including Public Hearing report in accordance with the procedure prescribed under the EIA Notification, 2006.

Agenda Item No:11 Grant of Terms of Reference (ToR) in favour of J&K Minerals Ltd, 5th Floor, Jawahar Lal Nehru Udyog Bhawan, Rail Head Complex, Jammu, J&K.

Proposal No: SIA/JK/MIN/54678/2020.
File No: SEAC/JK/20/193.
Title of the Case: Proposed River Bed Mineral area 9.11 Ha located at Block No: 1/12, River Devak, District Samba.

The Secretary informed the forum that previously an LoI had been issued by the Geology & Mining Dept. in favour of one Rakesh Kr. Choudary. However, subsequently, the mining block has been allotted by the Govt. to JK Minerals Ltd vide Govt. order No. 95-IND of 2020 dated 27/05/2020. The various events leading to the allotment of the mining block in favour of JK Minerals Ltd as elucidated in the letter No. 01/MCC/DGM/J&KML/MM/ 1248-52 dated 04/07/2020 from Director Geology & Mining Dept. were brought to the notice of the JKEAC. Now, the JK Minerals Ltd has applied for grant of TORs for preparation of the EIA/EMP enabling them to apply for EC as per procedure. The project was represented by Shri Vikram Gupta, MD, JK Minerals Ltd and Mr. Irfan Company Secretary from the side of Project Proponent and by M/S OCEAO-ENVIRO Management Solutions (India) Private Limited, 217, 1st Floor, Sector 12, Judge Colony, Vasundhara, Ghaziabad, U.P – 201012. During power point presentation, live demo on Google Earth was given by the consultant using KMZ file of the project site. After thorough deliberations the following general and specific ToRs were recommended in favour of the Project:-

STANDARD TERMS OF REFERENCE

- 1) Year-wise production details should be given, clearly stating the highest production achieved in any one year.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the areas should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided on high resolution satellite image on with geological map of the area, geomorphology of land-forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The

hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large may also be detailed in the EIA Report.

8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.

9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.

10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.

11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.

12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.

13) Status of forestry clearance for the broken-up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.

14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.

15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.

16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.

17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.

18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.

19) Proximity to Areas declared as 'Critically Polluted' should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.

20) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.

21) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)]primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.

22) Air quality modelling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modelling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.

23) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.

24) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.

25) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.

26) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.

27) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.

28) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.

29) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.

30) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.

31) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.

32) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.

33) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.

34) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.

35) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.

36) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

37) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.

38) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.

39) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

40) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

41) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.

42) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.

43) Besides the above, the below mentioned general points are also to be followed:

a) Executive Summary of the EIA/EMP Report

b) All documents to be properly referenced with index and continuous page numbering.

c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.

d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.

e) Where the documents provided are in a language other than English, an English translation should be provided.

f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.

g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.

h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.

i) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.

j) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

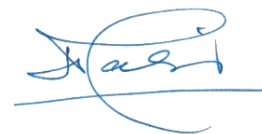
SPECIFIC TERMS OF REFERENCE

1. In view of close proximity of the project to the proposed 700 bed AIIMS health facility coming up at a distance of around 3.5 kms from the project, a detailed study should be conducted on wind speed and its direction to assess the impact of dust arising out of the project activity on this important health facility. It was recommended that the consultant should collect the temporal and seasonal weather data from the automatic weather station of Samba.
2. Impact of mining activity on adjacent agricultural land with particular reference to runoff, soil erosion and top-soil loss due to change in topography.
3. Details of Gradient of riverbed and 3-D view draped on the satellite image
4. Details of excavation schedule & sequential mining plan.
5. Details of transportation of mined out materials with respect to axle load specified for the road as per the Indian Road congress for both the ways (loaded as well as unloaded trucks) load and its impact on the environment.
6. Impact on mining activity on the existing land use in the study area.
7. Impact on mining on aquatic life.
8. NOCs from competent authority of Forest Department, Irrigation and Flood Control Dept. and Fisheries Dept. should be obtained and submitted while applying for EC
9. Excavation to be carried out upto a maximum depth of 1 m in the riverbed or 1 m above water table whichever comes first.
10. Specific measures to be undertaken to mitigate the impact of mining activity on the habitat and migration of fish in the river/stream and concurrence thereof from the Fisheries Department.
11. The Photography and videography of the mining block shall be part of the Terms of Reference.
12. The maps shall be submitted on a scale of 1: 3000 and 1: 1500 within 10 kms. Radius
13. The shortest extraction route leading to the main road but with minimum interference with human settlements should be identified and it should be properly black topped.
14. Dust suppression measures should be prescribed in the EIA/EMP.

The prescribed TORs would be valid for a period of **three years** for submission of the EIA/EMP reports, as per the O.M. No. J-11013/41/2006-IA.II(I) dated 22.3.2010, 22.08.2014, 08.10.2014 and 07.11.2014.

Besides, the TORs are recommended without prejudice to the standing court orders, if any, w.r.t the concerned mining project or final outcome of writ petitions/LPAs pending disposal before any competent court of law w.r.t the concerned mining block.

After preparing the EIA/EMP (as per the generic structure prescribed in Appendix- III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will apply for EC on the Parivesh Portal of the MoEF&CC and submit all the relevant documents including Public Hearing report in accordance with the procedure prescribed under the EIA Notification, 2006.



S E C R E T A R Y
JK-Expert Appraisal Committee

No: EAC/JK/20/1246-59

Dated: 18/07/2020

Copy by email to:

1. The Member Secretary, J&K Environment Impact Assessment Authority (JKEIAA), /PCCF/Director, Ecology, Environment and Remote Sensing, J&K Govt., Jammu for favour kind information.
2. Sh. S. C Sharma, Chairman, J&K Expert Appraisal Committee, (JKEAC) 331 Shastri Nagar, Jammu-180004 for favour of kind information.
3. Sh. M.A Tak, Member, J&K Expert Appraisal Committee, (JKEAC) 124 Mominabad (Near Jakfed), Anantnag Kashmir,-192101 for favour of kind information.
4. Sh. Braj Bhushan Sharma, Member, J&K Expert Appraisal Committee, (JKEAC) 278/2 Channi Himmat, Jammu for favour of kind information.
5. Professor Shakeel Ahmad Romshoo, Member, J&K Expert Appraisal Committee, (JKEAC) Department of Earth Sciences Kashmir University Srinagar-190006 for favour of kind information and necessary action please.
6. Sh. Abdul Rashid Makroo, Member, J&K Expert Appraisal Committee, (JKEAC) H/No. 9 Lane No 11 Sector C, Gulshan Nagar Nowgam Bypass, Srinagar-190019 for favour of kind information please.
7. Professor Arvind Jasrotia Member, J&K Expert Appraisal Committee, (JKEAC) 33/D Sainik Colony Jammu-180011 for favour of kind information please.
8. Dr. Ghulam Mohammad Dar, Member, J&K Expert Appraisal Committee, (JKEAC) Main Campus IMPA&RD, M.A Road, Srinagar-190001 for favour of kind information please.
9. Sh. Irfan Yasin, Member, J&K Expert Appraisal Committee, (JKEAC) Bagh-e-Hyderpora, Bypass, Srinagar for favour of kind information please.
10. Professor Anil Kumar Raina, Member, J&K Expert Appraisal Committee, (JKEAC) Department of Environmental Science University of Jammu, Jammu-180006 for favour of kind information please.
11. Professor M. A. Khan, Member, J&K Expert Appraisal Committee, (JKEAC) Khan House, A-27 Milatabad, Peerbagh "B" Srinagar for favour of kind information please.
12. Dr. Falendra Kumar Sudan, Member, J&K Expert Appraisal Committee, (JKEAC) Professor Department of Economics University of Jammu, Jammu for favour of kind information please.
13. Mr. HL Langeh, Dy. Director, Geology & Mining Dept. for information.
14. Sh. Sheikh Sajid, PA for information and with direction to upload the minutes on the parivesh.gov.in.
15. Concerned File.



ANNEXURE TO MINUTES OF MEETING OF JKEAC held on 15/7/20

Revised Environment Management Plan against the Ecological Damage, natural and community resource augmentation plan and upgradation of Social Facilities as per the suggestions of Hon'ble Committee during the minutes of 5th J&K meeting dated 25.02.2020.



BUDGET OF EMP

Total minimum budget of revised EMP: @ Rs. 2000/- per sq. m. of built up area constructed in violation of EIA Notification, 2006 and the subsequent amendments

Built up area constructed under violation (without obtaining prior EC) : 12898 sq. m.

Thus, the minimum amount of EMP shall be: Rs. 12898 x 2000 : Rs. 2,57,96,000.00

Activity Area under EMP:

1. Remediation plan against ecological damage
2. Natural & Community Resource Augmentation Plan

S. No	Activity area	Year wise amount to be spent			Total
		1 st year	2 nd year	3 rd year	
1.	Environment damage & Remediation plan	35	30	-	65
2.	Natural & Community Resource Augmentation Plan	80	55	58	193
Total amount to be spent year wise		115	85	58	258



S. No	Particulars	Proposed Remediation measures	Budget
1.	Air pollution Mitigation	<ul style="list-style-type: none"> • Dust suppression and water sprinkling system for nearby undeveloped roads. • Regular health check-up camps (six monthly) for respiratory diseases near by area. • Maintenance and cleanliness of the link road with in 50 meter. • Tree plantation and lifelong maintenance within 1 kms radius. • Contribution of funds towards implementation of “Action Plan for control of Air Pollution in Non-Attainment Cities Jammu and Srinagar (Compliance of Hon’ble NGT Order dated 08th October, 2018” 	Rs. 25 lacs



S. No	Particulars	Proposed Remediation measures	Budget
2.	Water pollution mitigation	<ul style="list-style-type: none"> ▪ Construction of rain water harvesting structures (recharge pit with filtration) in consultation with JDA/ village panchayat within 2 kms radius (Construction of one structure @ Rs. 2.5-3.0 lacs Minimum RWH structures to be constructed 10) ▪ Bio purification system for waste water coming from farmyards. 	Rs. 35 lacs
3.	Other Activities	<ul style="list-style-type: none"> ▪ Installation of dust-bins at prominent locations ▪ Free facility of car parking to the adjacent houses. ▪ Awareness camps under Swachh Bharat Abhiyan for better solid waste management (importance of solid waste management, segregation of waste at source, colour coded bins, non littering of waste etc) 	Rs. 5 lacs

Total proposed budget on Remediation plan : Rs. 65 lacs



1. Environmental Conservation

S. No.	Activity Area	Activities	Budget
1.	Existing Community park of JDA, located at Sidhra, Jammu	<ul style="list-style-type: none">• Maintenance of the park including development of lawns, tree plantation, cleaning the waste• Development of jogging track along the periphery of the park• Development of children play activities in park such as see-saws, slides, etc.• Provision of Solar street light	Rs. 20 lacs



2. Up-gradation of educational facilities

S. No.	Activity Area	Activities	Budget
i.	Govt Middle School Sidhra, Jammu	<ul style="list-style-type: none"> • Construction of new class rooms • Construction of Separate toilets • Renovation of existing School Building • Plantation in the school premises • Construction of Computer lab with computers, projector • Safe drinking water facility (water purifier and water cooler) • Provisions of furniture 	Rs. 20 lacs
ii.	Govt. Middle School, Majeen,	<ul style="list-style-type: none"> • Increasing the height of boundary wall and barbed wires • Construction of new class rooms • Construction of Separate toilets • Renovation of existing School Building • Plantation and development of lawns, play area • Sports facilities in the school • Construction of Computer lab with computers and projector • Construction of roof top solar PV plant (10 KW) • Construction of RWH structure • Safe drinking water facility (water purifier and water cooler) • Provisions of furniture 	Rs. 45 lacs
TOTAL			Rs. 65 lacs

PHOTOGRAPHS DEPICTING THE CURRENT SCARIO OF THE ACTIVITY AREA



Government Middle School Sidhra, Jammu

PHOTOGRAPHS DEPICTING THE CURRENT SCARIO OF THE ACTIVITY AREA



Govt. Middle School, Majeen



3. Up-gradation of health facilities

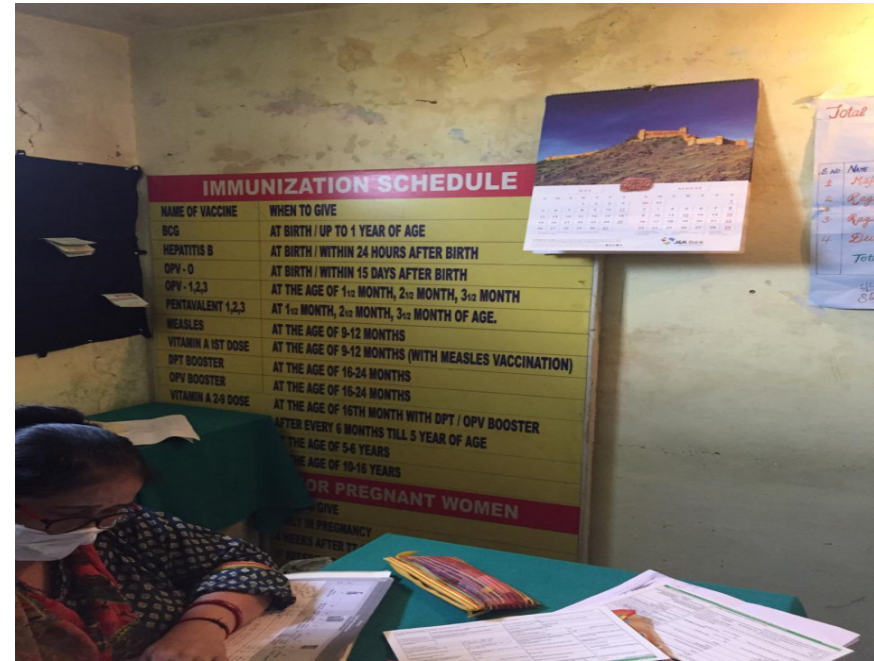
S. No	Activity Area	Activities	Budget
3.	Urban Primary Health Centre, Sidhra Govt. Sub-Centre, Majeen, Block Dansal, Jammu	<ul style="list-style-type: none"> ▪ Renovation of the existing building (including paint, repair & maintenance) ▪ Construction of suitable ramps for access to divyang and old age persons ▪ Development of well equipped OPD cum consultation room and waiting area. ▪ Provision of Medical equipments and basic minimum diagnostic facilities ▪ Installation of colour coded bins especially for disposal of Bio-Medical waste ▪ Drinking water facilities ▪ Providing ambulance facilities ▪ Awareness and medical camps on regular intervals ▪ Distribution of masks, sanitizers, disposable gloves for compliance to COVID-19 outbreak SOPs 	Rs. 70 lacs

PHOTOGRAPHS DEPICTING THE CURRENT SCARIO OF THE ACTIVITY AREA



Primary Health Care Center, Sidhra

Primary Health Care Center, Majeen





4. Sanitation & other facilities

S. No	Activity Area	Activities	Budget
1.	Sidhra & Majeen Jammu	<ul style="list-style-type: none"> • Construction of Toilets • Construction of bathing ghats for EWS and slums • Installation of dustbins • Awareness programs • Sanitation Drives • Provision of Thermal Fogging • Construction of water tanks 	Rs. 38 lacs

NATURAL AND COMMUNITY RESOURCE AUGMENTATION PLAN

- *Environmental conservation* : Rs. 20 lacs
- *Up-gradation of primary educational facilities* : Rs.65 lacs
- *Health facilities* : Rs. 70 lacs
- *Sanitation facilities* : Rs. 38 lacs
- Total** : **193 lacs**

CORPORATE ENVIRONMENTAL RESPONSIBILITY



Total amount of **Rs. 1.06 Cr.** will be spent under Corporate Environment Responsibility (CER) as per under Ministry's Office Memorandum vide **F. No. 22-65/2017-IA.III dated 1st May 2018**, according to **project cost Rs. 53.08 cr.** CER Plan is as under

S. No.	Facilities to be provided	Activities to be done by PP	Total Expenditure (Rs in lac)			Activity area
			1 st year	2 nd year	3 rd year	
A.	<ul style="list-style-type: none"> Education (Government School) 	<ul style="list-style-type: none"> Construction of Rooms Construction of Toilet Construction of RWH Construction of Computer lab with equipments Renovation of school building and maintenance Plantation in the school premises Installation of Sanitary Napkin Vending Machine Photocopy machine 	15	15	15	Government Schools in 2-5 kms area
B.	Swacch Bharat Abhiyan	<ul style="list-style-type: none"> Construction of toilets & common bathing ghats in the nearby areas Installation of Dustbins in the nearby areas 	5	5	5	Nearby areas



CORPORATE ENVIRONMENTAL RESPONSIBILITY

S. No.	Facilities to be provided	Activities to be done by PP	Total Expenditure (Rs in lac)			Total
			1 st year	2 nd year	3 rd year	
C.	<ul style="list-style-type: none"> Environment Protection 	<ul style="list-style-type: none"> Tree plantation along the road side Contribution towards development of river front, pedestrian walkways, promenade development Construction of rain water harvesting structures in consultation with Village Panchayat, Nagar Palika, JDA Contribution towards improvement in ambient air quality in consultation with Pollution Control Board 	20	16	10	46
GRAND TOTAL			40	36	30	106



CORPORATE SOCIAL RESPONSIBILITY

As per the provisions of Companies Act, 2013, every company is required to undertake the CSR activities as per the following provisions as under:

Companies:

- That has a **net worth** of Rs. 500 crores or more, or
- That have an annual **turnover of Rs.** 1000 crores or more, or
- That generate a profit **of Rs.** 5 crores or more.

Fund allotment:

- 2% of the average annual profit for last 3 years

As and when the average annual profit will exceed Rs. 5 cr, ABL will undertake CSR activities as per the provisions of said Act.

DETAILED CSR PLAN



S. No.	Facilities to be provided	Activities to be done by PP	Activity Area	Total Expenditure (Rs in lac)		
				1 st year	2 nd year	3 rd year
A.	Skill Development	<ul style="list-style-type: none"> Development of vocational training centre with local help and consultation with Gram Panchayat & National Skill Development Corporation (NSDC) under Pradhan Mantri Kaushal Vikas Yojana (PMKAY). Providing facilities at Govt ITI and Polytechnic college 	Within 2-5 kms radius of project site	10	10	10
B.	Women & Farmer Welfare	<ul style="list-style-type: none"> Vocational education for women including providing sewing machines in consultation with Gram Panchayat. Assistance to self help groups, micro enterprises, cottage industries for promotion of local and indigenous art Awareness camps for female education & human rights. Organizing medical, health check up camp and Other in nearby area 	Within 2-5 kms radius of project site	5	5	5
Project Cost : Rs. 45 lacs				15	15	15



M/s Adarsh Buildestate Limited

Vatika Atrium, Block-B, 1st Floor, Golf course Road , sector-53, Gurugram

PALM
RIVIERA
PREMIER RESIDENTIAL APARTMENTS



Gaurang Environmental Solutions Pvt. Ltd.