



0191-2474553/0194-2490602

Ministry of Environment, Forest & Climate Change, Govt. of India.

J&K UT LEVEL EXPERT APPRAISAL COMMITTEE (JKEAC)

Department of Ecology, Environment & Remote Sensing

SDA Housing Colony, Bemina, Srinagar, Kashmir

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MINUTES OF MEETING

MINUTES OF 95TH MEETING OF THE JK EXPERT APPRAISAL COMMITTEE HELD ON 24TH OF JUNE, 2022 VIA VIDEO CONFERENCING

In pursuance to Meeting Notice issued vide No: EAC/JK/22/13808-13832 dated: 21/06/2022, and Corrigendum cum Addendum issued vide No.: EAC/JK/22/13833-13853 Dated:22/06/2022, the 95th Meeting of JK Level Expert Appraisal Committee (JKEAC) was held on 24th of June, 2022 at 10:30 P.M. via video Conferencing. The following attended the meeting:-

No.	Name	Designation
1	Mr. S.C. Sharma, IFS(Rtd.)	Chairman
2	Mr. M.A Tak, IFS(Rtd.)	Member
3	Engineer B.B. Sharma	Member
4	Mr. Irfan Yasin	Member
5	Prof. Anil Kr. Raina	Member
6	Mr.Humayun Rashid	Secretary

The Secretary, JKEAC welcomed the Chairman, Members of the JK Expert Appraisal Committee, project proponents and the consultants.

The meeting proceeded as per following sequence: -

AGENDA ITEM NO: 01

Title of case:	Grant of Environment Clearance for Cluster STPs for extraction of River Bed Material, Total Cluster Area 3.762 Ha, Located in village: Darui, Tehsil & District - Samba, UT: J & K in favour of M/S GAYATRI PROJECTS PVT. LTD. (STP)
Project type (whether mining lease/STP/ Quarry license/brick earth)	Short Term Permit
Category(B1/B2)	B2
Proposal no:	SIA/JK/MIN/272756/2022
File no:	SEAC/JK/20/582

Consultant with validity	M/S P&M solutions Pvt. Ltd, Noida. Valid till: 10/12/2022
Presenter of consultant:	Mr. Manas Vyas
Project proponent / representative of Project proponent:	Mr. Sanjay Sharma M/S GAYATRI PROJECTS PVT. LTD

CASE SUMMARY

Status	Total Cluster Area (Ha)	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed (in lacs)		CER budget proposed (lacs/annum)
				Capital	Recurring	
New Project	3.762	NA	245.87	8.47	Nil	4.91

Date of Letter of Intent (LoI)	LoI Extension	LoI Validity	Mining Plan	Total proposed Production of cluster (MT)	Mining Depth Proposed (Mts.)
05/02/2022	30/06/2022	3 months	14/03/2022	99691	1.00

Mine Closure plan proposed (in lacs)	Haulage Route (Kms)	Bulk density proposed by proponent	Cluster situation (Yes/No)
Not provided	0.31, 0.2, 0.23, 0.33	2.65	Yes

APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

STATUS OF DOCUMENTATION

S. No.	Document	Status	Remarks of the Committee
1	Form 1/Form 2 /Form 1-M as applicable	Submitted	
2	Pre-feasibility report (PFR)	Submitted	
3	Approved Mine Plan /Mine closure Plan	Formulated not as per guidelines	Mine Plan needs to be revised for mining depth, targeted mineral production after refinement of the boundaries of the STPs.
4	District Survey Report	Formulated not as per guidelines	Needs revision for including replenishment data etc.
5	Environmental Management Plan/ Corporate Environmental Responsibility (/EMP/CER)	Formulated but needs revision	Needs revision as per deliberations/ observations /recommendations

NO OBJECTION CERTIFICATES

S. No.	Department	status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Issued	NOC from Forest Dept. ambiguous as it provides only single coordinate of only one STP and indicates impact on the nearby closure of SFRI
2	Flood Control Dept.	Issued conditionally	
3	Fisheries Dept.	Issued conditionally	
4	Forest Dept. (if required)	Issued as non-forest land	
5	Wildlife Protection Dept (If required)	Not submitted	
6	Pollution Control Board	Not submitted	
7	Revenue Dept.	Not submitted	
8	PHE (Jalshakti) Dept.	Issued	
10	Soil and Water Conservation dept.	---	

ENVIRONMENTAL MANAGEMENT PLAN

S. No	Proposed actions	Budget proposed by Proponent (in lacs)		Remarks
		Capital	Recurring	
1	Green belt development	1.00	0.00	
2	Haulage route maintenance	5.47	0.00	
3	Env. Awareness programme	0.00	0.00	
4	Pollution monitoring	1.00	0.00	
5	Pollution control/ water sprinkling/Dust suppression	0.00	0.00	
6	Occupational Health & Safety of mine workers	1.00	0.00	
7	Laying of Hume Pipes	0.00	0.00	
	Total	8.47	0.00	

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks/
1	Health	Free Distribution of medicines, health check-ups in the nearby village	1.00	
2	Covid -19	Distribution of masks, sanitizers in the nearby village or school	0.91	
2	Electrification	Solar Lamp distribution & Solar street light installation	0.00	
3	Sanitation	Construction of ladies' toilets in the village.	2.00	
4	Education	Distribution of school bags & books in nearby Primary School Education Grants to girl child to check drop outs in schools.	1.00	

	Total	4.91	
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BUDGET FOR SURVILIENCE

S. No.	Particulars	Budget proposed by Proponent (in lacs)		Remarks of Committee
		Capital	Recurring (in lacs)	
1	Transport Permit	2.00	0.00	
2	CCTV Camera	1.00	0.00	
3	Weight Bridge	10.00	0.00	
4	Personal Computer with power backup	0.50	0.00	
5	Mobile Application Barcode scanner	0.50	0.00	
6	Radio Frequency Identification Tag (RFID) and GPS	1.00	0.00	
7	Annual Audit of lease	0.00	0.00	
8	Security Guard	0.00	0.00	
	Total	15.00	0.00	

EXAMINATION OF MINING SITE ON MULTIDATE GOOGLE EARTH IMAGE PLATFORM USING KML /KMZ FILE EMAILED/UPLOADED BY THE PROJECT PROPONENT/CONSULTANT

S.no.	Features observed	Within Mining site boundary (Yes/No/Not identifiable)	Outside mining site boundary (Yes/No/Not identifiable)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks

1	Features indicative of any Illegal mining.	NO	NO	-	-	Google Image of 02/2022
2	Bridge with midstream piers, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
3	Bridge /causeway with only abutments, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
4	Foot bridge with only abutments on two banks, if any located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
5	Green patch (Cropland / trees /orchard etc. if any located within mining block/adjacent to mining block or within 500 mts. from the mining block.	No	No	-	-	-

6	Structures of any kind (buildings /Flood control/ protection works/ electric installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.	No	No	-	-	-
7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Not Identifiable	Not Identifiable	-	-	Google Image of 02/2022
8	Active water channels, if any crossing the mining block.	No	No	-	-	-
9	National Park/Wildlife Sanctuary/ESZ, if any located in close vicinity of the mining block and distance thereof from the mining block.	No	No	-	-	
10	Forest land, if any located in close vicinity of the mining block. If yes, the distance thereof from the ends of mining block.	No	No	-	-	

12	Any other relevant feature of interest or condition which is critical to grant of ToRs/EC to the proposed project	Yes	Yes	-	-	STPs either seem to be located within Forest boundary or traversing it
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DELIBERATIONS/SPECIFIC OBSERVATION(S) OF COMMITTEE, IF ANY:

- a. The consultant gave a detailed power point presentation on the project during which he informed that cluster of STPs has been proposed to meet the construction requirement of the Ring Road, Jammu. He further informed that the mining depth has been proposed at 1m with total proposed production at 99691 MTs in aggregate to be extracted within three months for all the STPs.
- b. It was noted that the Consultant has wrongly mentioned period of STPs as 3 years in the PFR which needs to be corrected to 3 months.
- c. It was further observed that the PP has not submitted title verification of the land under the STPs.
- d. While observing the Cluster of STPs on Google image using the KML file uploaded by the consultant on the portal vis-a-vis the digital forest territorial boundary, it was found that STP-1 is entirely inside the forest boundary while as the other STPs too are having major portion inside the forest boundary.
- e. It was also observed that the STPs have not been properly drawn up as these encompass areas with tree cover falling outside the nallah bed, which is against norms. Therefore, the STPs need to be redrawn / relocated to limit these to nallah bed only.
- f. The NOC issued by the concerned DFO was found to be ambiguous as it only mentions single coordinate of one of the STPs. It also indicates that the area of the STPs is adjoining the closures of SFRI and is vulnerable to soil erosion. Therefore, the Committee desired that the PP be asked to obtain a fresh NOC as per standard format which may be downloaded from the website of the Dept. of Ecology, Environment & Remote Sensing at www.jkdears.com.
- g. NOC from the SFRI also need to be obtained as the closure lies in the close vicinity of the STPs as indicated by the DFO in his communication.
- h. The Haul route of the STPs was examined on the Google image and it was desired that the title of the land to be used for haulage needs to be ascertained and certified by the concerned revenue authority with local PRI on board.
- i. EMP budget needs to be revised with appropriate budget.
- j. Mining plan needs to be revised in the light of conditions of approval by the competent authority and the observations of JKEAC.
- k. Bulk density of 2.65 adopted in the instant mining plan is based on the certificate issued by the Research Officer, Design Directorate. The committee desired that it be got endorsed by the Chief Engineer Concerned.

RECOMMENDATION OF THE COMMITTEE:

In view of the above deliberations / observations made herein above, the Expert Appraisal Committee did not agree to recommend the Cluster of STPs for grant of EC in the present form.

However, the PP is if he so desires, may again approach JKEIAA for further appraisal after obtaining clarifications on following counts:-

1. The STPs need to be redrawn/ relocated to exclude the areas falling outside the Nallah bed.
2. NOC be obtained from the SFRI w.r.t adverse impact of mining activity, if any, on its closures in the vicinity.
3. Clear cut title verification of the land under redrawn/relocated STPs be obtained.
4. Clear cut title verification of the land under haulage routes of the individual STPs to be obtained from concerned revenue authority.
5. Fresh NOC from the Forest Dept. (as per format to be downloaded from the website of the Dept. of Ecology, Environment & Remote Sensing) to be obtained, indicating therein the additional details as per following table:-

STP No.	Geographical Coordinates of the STP nearest to the pillar coordinate of the forest		Geographical coordinates of the nearest boundary pillar of Forest		Distance between nearest pillar coordinate of STP and the Forest boundary (in mts.)
	Lat.	Long	Lat.	Long	
1					
2					
3					
4					

6. Compliance to all other observations made under deliberations.

AGENDA ITEM NO: 02

Title of case:	Grant of Environmental Clearance (EC) for River bed mining of Minor Mineral in Block- 02, Area 7.47 Ha River Suran Upstream Sher-e-Kashmir Bridge Part-II, Village-Mangnar & Kunoyian, Tehsil & District-Poonch, Jammu & Kashmir in favour of M/S Sai Mines. (ADS)
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B1
Proposal no:	SIA/JK/MIN/59661/2021
File no:	SEAC/JK/20/446
Consultant with validity	M/S P&M solutions Pvt. Ltd, Noida. Valid till: 10/12/2022
Presenter of consultant:	Mr. Manas Vyas

Project proponent / representative of Project proponent:	Mohd. Rashid
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CASE SUMMARY

Status	Area (Ha)	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed (in lacs)		CER budget proposed (lacs/annum)
				Capital	Recurring	
New Project	7.47	30.35	168.79	7.00	7.00	2.89

Mine Closure plan proposed (in lacs)	Revised Mining depth proposed (mts.)	Haulage Route (Kms)	Revised Bulk density proposed by proponent	Cluster situation (Yes/No)
Not Provided	1.0	0.40	2.0	No

PROJECT EVENT DATES

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	ToRs granted on
21/07/2020	01/04/2022	30/06/2022	15/12/2020	30/03/2021

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by project proponent as the case may be	Public Hearing held on	Case discussed by JKEAC earlier on	Area reduced by G&M Dept.
NA	NA	Oct-Dec 2020	18/08/2021	13/03/2021	NA

				05/11/2021 & 12/03/2022	
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APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

STATUS OF DOCUMENTATION

S. No.	Document	Status	Remarks of the Committee
1	Form 1/Form 2 /Form 1-M as applicable	Submitted	
2	Pre-feasibility report (PFR)	Submitted	Needs revision as per deliberations/ observations /recommendations
3	Approved Mine Plan /Mine closure Plan	Formulated not as per guidelines	Mine Plan needs to be revised for bulk density, mining depth, closure plan, surface plan, targeted mineral production, mining methodology etc.
4	District Survey Report	Formulated not as per guidelines	Needs revision for including replenishment data etc.
5	Environmental Impact Assessment / Environmental Management Plan/ Corporate Environmental Responsibility (EIA/EMP/CER)	Formulated but needs revision	Needs revision as per deliberations/ observations /recommendations

NO OBJECTION CERTIFICATES

S. No.	Department	status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Issued conditionally	
2	Flood Control Dept.	Issued conditionally	
3	Fisheries Dept.	Issued conditionally	
4	Forest Dept. (if required)	Issued as non-forest	
5	Wildlife Protection Dept (If required)	Not submitted	

6	Pollution Control Board	Not submitted	
7	Revenue Dept.	Issued as state land	
8	PHE (Jalshakti) Dept.	Issued conditionally	
10	Soil and Water Conservation dept.	---	

ENVIRONMENTAL MANAGEMENT PLAN

S. No	Proposed actions	Budget proposed by Proponent (in lacs)		Remarks/ Budget recommended by Committee (in lacs)	
		Capital	Recurring	Capital	Recurring
		1	Green belt development	1.50	1.50
2	Haulage route maintenance	2.00	2.00	3.00	2.00
3	Env. Awareness programme	0.00	0.00	0.00	0.00
4	Pollution monitoring	1.00	1.00	2.00	2.00
5	Dust suppression	2.00	2.00	1.00	1.50
6	Occupational Health & Safety of mine workers	0.50	0.50	0.50	0.50
7	Laying of Hume pipes/ Engineering works to stabilize the stream bank	0.00	0.00	6.00	5.00
	Total	7.00	7.00	14.50	13.00

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks
1	Health	Free Distribution of medicines, health check-up	1.00	
2	Covid -19	Distribution of Sanitizers, face masks etc in the nearby village.	0.39	
3	Sanitation	Construction of toilet in the nearby village	1.50	

	Total		2.89

BUDGET FOR SURVILIENCE

S. No.	Particulars	Budget proposed by Proponent (in lacs)		Remarks
		Capital	Recurring (in lacs)	
1	Transport Permit	2.00	0.00	
2	CCTV Camera	1.00	0.10	
3	Weight Bridge	10.00	1.00	
4	Personal Computer with power backup	0.50	0.05	
5	Mobile Application Barcode scanner	0.50	0.05	
6	Radio Frequency Identification Tag (RFID) and GPS	1.00	0.10	
7	Annual Audit of lease	0.00	0.70	
8	Security Guard	0.00	0.80	
	Total	15.00	2.80	

GENERAL PUBLIC HEARING CONCERNS

S. No.	Usual concerns expressed by public during proceedings	(Yes/No)
1	Proper demarcation of mining block/mining depth to be maintained	Yes
2	Prevention of illegal mining	Yes
3	EMP cost to be implemented practically	---
4	CER/CSR Activities for social upliftment	---
5	RBM material to locals on concessional rates	---

6	Manual mining & Employment to the local unemployed youth	---
7	Strongly opposed any such activity in the Nallah	Yes
8	Already done mining in the area has damaged the irrigation canals & as a result the agriculture lands have become barren.	Yes
9	Mining should be handed over to the local panchayat	Yes
10	Mining activities has resulted in the receding of the water levels in the area	Yes

EXAMINATION OF MINING SITE ON MULTIDATE GOOGLE EARTH IMAGE PLATFORM USING KML /KMZ FILE EMAILED/UPLOADED BY THE PROJECT PROPONENT/CONSULTANT

S.no.	Features observed	Within Mining site boundary (Yes/No/Not identifiable)	Outside mining site boundary (Yes/No/Not identifiable)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks
1	Features indicative of any Illegal mining.	Yes	Yes	-	-	Google Image of 10/2021
2	Bridge with midstream piers, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
3	Bridge with only abutments, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
4	Foot bridge with only abutments	No	No	-	-	

	on two banks, if any located within mining area/ within 500 mts. from the ends of mining block.					
5	Green patch (Cropland / trees /orchard etc. if any located within mining block/adjacent to mining block or within 500 mts. from the mining block.	No	No	-	-	
6	Structures of any kind (buildings /Flood control/ protection works/ electric installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.	No	No	-	-	
7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Not identifiable	Yes	-	-	Features presumably indicative of presence of supply channel of irrigation works in the vicinity
8	Active water channels, if any	Yes	Yes	-	-	Need to be excluded

	crossing the mining block.					from mining activity
9	National Park/Wildlife Sanctuary/ESZ, if any located in close vicinity of the mining block and distance thereof from the mining block.	No	No	-	-	
10	Forest land, if any located in close vicinity of the mining block. If yes, the distance thereof from the ends of mining block.	No	No	-	-	
12	Any other relevant feature of interest or condition which is critical to grant of ToRs/EC to the proposed project	No	No	-	-	

DELIBERATIONS/SPECIFIC OBSERVATION(S) OF COMMITTEE, IF ANY:

- a) The case had been discussed by JKEAC in the 29th meeting held on 13.03.2021 during which the Committee recommended TORs to the project subject to title verification of the mining block by the concerned revenue authority as ‘state land’ subject to exclusion of the private land if any involved due to change of nallah course and revision of project cost. The PP subsequently obtained title verification of the land under the block.
- b) The case had again been discussed by JKEAC in the 69th meeting held on 05.11.2021 during which the committee did not approve the project and the PP had been asked to submit compliance to the following observations:
 - i. From the perusal of Public Hearing notes, it appears that the general mood amongst the people is not in favour of mining activity in the area probably due to the apprehension that as soon as mining activity begins, their Kuhls and canals will be left high and dry and that the agricultural production will suffer for want of adequate water supply for irrigation. **In this context, the Concerned Dy. Commissioner needs to constitute a committee comprising of Xen Irrigation, Xen Flood Control, Tehsildar concerned and the representatives of PRI to go through the concerns highlighted**

in the public hearing report and to evolve comprehensive proposals including engineering works which will ensure uninterrupted flow of water in the existing khuls along the banks of Suran river, the cost thereof shall have to be met by the project proponent.

- ii. The Committee observed features on Google Image, presumably indicative of an offtake point of irrigation kuhl in the vicinity of the mining block and **the Committee desired project proponent to obtain field verification of same by the concerned Xen Irrigation Dept. with seal and signature on the back side of Colour Google image of the area depicting the mining block boundary and Kuhl offtake point, if any within 200m of the mining block boundary, prior to grant of formal EC.**
 - iii. The active water channel passing through the mining block would require to be excluded.
 - iv. Submission of non-involvement in illegal mining activity certificate from the competent authority.
 - v. Submission of photographs of display screen of Air Quality Monitoring Station displaying the dates of collection of baseline data.
 - vi. Revision of project cost.
 - vii. Adopting a mining depth of max. 1m and bulk density of 2 in absence of replenishment study and ground based measurements.
- c) The case had once again been discussed in the 88th meeting held on 12.03.2022 during which the committee did not recommend the case for the grant of environmental Clearance and the PP had been asked to submit compliance to the following observations:
- i. Since, the JKEAC was not satisfied with the compliance to item i, supra, it had desired that the Dy. Commissioner concerned again to call a joint meeting of all the stakeholders including the public representatives who had participated in the public hearing to address and resolve their apprehensions. A report to this effect be submitted to the JKEIAA to help carry forward the appraisal process.
 - ii. The PP had further been asked to obtain fresh NOC from the Executive Engineer stating that:-
 - a. The mining block does not fall within 200mts from any Irrigation scheme/Headwork/Off-take point and 50mts from the canal.
 - b. That no Inlet / Headwork/ off-take point of any Irrigation canal/irrigation kuhl originates from within the designated mining block.
 - c. The mining activity in the designated mining block will not have any adverse effect on the flow of water to the irrigation canal/kuhl/ safety of Irrigation works.
 - iii. Submission of photographs of display screen of Air Quality Monitoring Station displaying the dates of collection of baseline data.
 - iv. Submission of revised mining plan for revised mining depth & bulk density.
- d) During deliberations in the instant meeting, the Committee observed as: -
- i. With respect to item i, the PP has submitted an inspection report issued by Dy. Commissioner concerned stating therein that joint inspection had been conducted by Executive Engineer (I &FC Division) Poonch, Tehsildar Haveli (Poonch) and DMO (Poonch) in presence of local PRI representative mentioning therein that the local PRI have no issue for opening of the minor mineral block and their apprehensions have been resolved.

- ii. With respect to item ii, the joint inspection report as cited above and signed by Panch, Sarpanch, Executive Engineer (I &FC Division) Poonch, Tehsildar Haveli (Poonch) , DMO (Poonch) and Dy. Commissioner Poonch states that there is no irrigation Khul within 200 m from the outer boundary of the block No. 02. It also mentions that no hydraulic structure/Irrigation Kuhl off take point shall be damaged during the mining operations.
- iii. With respect to item iii, the photographs of display screen of Air Quality Monitoring Station displaying the dates of collection of baseline data have not been submitted and same needs to be submitted, **prior to grant of EC**.
- iv. With respect to item iv, the revised mining plan has not been submitted and the same needs to be submitted, **prior to grant of EC**.

RECOMMENDATION OF THE COMMITTEE:

In view of the above deliberations and insight gained during the above cited appraisal process, the Committee recommended the case for the grant of environmental Clearance subject to: -

- a) Standard and Specific Conditions as per **Annexure B** to these Minutes of Meeting.
- b) Revision of mining plan as detailed above, **prior to grant of EC**.
- c) Submission of photographs of display screen of Air Quality Monitoring Station displaying the dates of collection of baseline data, **prior to grant of EC**.
- d) **Strict adherence to the terms and conditions of the NOCs of the stakeholder departments which need to be monitored by the enforcement agencies and concerned dept.**
- e) **No JCBs/ Excavators/ Bulldozers to be used in mining and no water course to be disturbed while transporting minor minerals.**
- f) Maximum targeted mineral production of **89,600 MT**.
- g) Condition the geographical coordinates as per LOI issued by G&M Dept. are mentioned in the EC letter by JKEIAA.
- h) **Compliance of all other observations made herein above under deliberations.**
- i) Validity of only three years from the date of commencement of the mining operations duly certified by the District Mineral Officer concerned with intimation to the JKEIAA and JKPCB in view of non-availability of replenishment data.

AGENDA ITEM NO: 03 (Cluster Situation)

Title of case:	Grant of Environmental Clearance (EC) for River bed Mining Project of Minor Mineral in Block No.42(Revised Area 7.05 Ha) and Block No.43(revised area 1.62 Ha) at Downstream Nallah Vishu near H/O M. Amin Mir, Check Bala Reshnagari, Tehsil & District Shopian, UT-Jammu & Kashmir in favour M/S Amit Mahajan S/O Sh. Adarsh Mohan Mahajan and Shri Karanvir Sigh S/O Shri Surinder Singh respectively (UNDER CLUSTER SITUATION)
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B1
Proposal no:	SIA/JK/MIN/66424/2021-- SIA/JK/MIN/56418/2020 and SIA/JK/MIN/66651/2021- SIA/JK/MIN/56381/2020

File no:	SEAC/JK/20/568 and SEAC/JK/20/562
Consultant with validity	P& M solutions Pvt. Ltd, Noida. Valid till: 10/12/2022
Presenter of consultant:	Mr. Manas Vyas
Project proponent / representative of Project proponent:	M/S Amit Mahajan and Mr. Karanvir Singh

CASE SUMMARY OF BLOCK 42

Status	Resized Area (Ha)	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed (in lacs)		CER budget proposed (lacs/annum)
				Capital	Recurring	
New Project	7.05	10.00	249.45	12.80	11.00	4.30

Mine Closure plan proposed (in lacs)	Haulage Route (mts)	Revised Mining depth proposed by PP in PFR/EIA (mts.)	Revised Bulk density proposed by proponent in PFR/EIA	Cluster situation (Yes/No)
1.60	920.15	1.00	2.00	YES

PROJECT EVENT DATES

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	ToRs granted on
27/03/2020	01/04/2022	30/06/2022	09/06/2020	20/01/2022

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by project proponent as the case may be	Public Hearing held on	Case discussed by JKEAC earlier on	Area reduced by G&M Dept.
NA	NA	March- May /2021	17/03/2022	03/01/2022	30/03/2022

APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

STATUS OF DOCUMENTATION

S. No.	Document	Status	Remarks of the Committee
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1	Form 1/Form 2 /Form 1-M as applicable	Submitted	
2	Pre-feasibility report (PFR)	Submitted	Needs to be revised as per deliberations/recommendations
3	Approved Mine Plan /Mine closure Plan	Formulated not as per guidelines	Mine Plan needs to be revised for mining depth, closure plan, surface plan, targeted mineral production, mining methodology etc.
4	District Survey Report Formulated not as per guidelines Needs revision for including replenishment data etc.	Formulated not as per guidelines	Needs revision for including replenishment data etc.
5	Environmental Management Plan/ Corporate Environmental Responsibility (PFR/EMP/CER) Formulated but needs revision Needs revision as per deliberations/ observations /recommendations	Formulated but needs revision	Needs revision as per deliberations/ observations /recommendations

NO OBJECTION CERTIFICATES

S. No.	Department	Status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Issued conditionally	1.NOC from irrigation department mentions that supply channel and main water conductors of Tongri canal and chin Ladi are in the vicinity 2. Title verification is ambiguous
2	Flood Control Dept.	Issued conditionally	
3	Fisheries Dept.	Issued conditionally	
4	Forest Dept. (if required)	Issued as non-forest	
5	Wildlife Protection Dept (If required)	Issued	
6	Pollution Control Board	Issued	
7	Revenue Dept.	Ambiguous	
8	PHE (Jalshakti) Dept.	Issued conditionally	

10	Soil and Water Conservation dept.	---	
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ENVIRONMENTAL MANAGEMENT PLAN

S. No	Proposed actions	Budget proposed by Proponent		Budget proposed by Proponent	
		(in lacs)		(in lacs)	
		Capital	Capital	Recurring	Recurring
1	Green belt development	1.20	1.00	4.00	3.00
2	Haulage route maintenance	4.60	1.50	5.00	2.00
3	Pollution monitoring	2.50	3.00	2.00	3.00
4	Pollution control & Dust suppression	2.00	3.00	2.00	3.00
5	Occupational Health & Safety of mine workers	2.50	2.50	3.00	3.00
6	Lying of Hume pipes/ Engineering works to stabilize banks	0.00	0.00	6.00	4.00
	Total	12.80	11.00	22.00	18.00

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks
1	Health	Free Distribution of medicines, health check-up	1.00	
2	Solar lightening	Installation of solar lights & distribution of free solar panels in the nearby village	0.00	
3	Covid -19	Distribution of Sanitizers, face masks etc in the nearby village.	0.70	
4	Sanitation	Construction of toilet (Ladies & Gents) in the nearby village	1.30	

5	Education	Distribution of books, stationery items etc in the nearby school	1.30	
	Total		4.30	

BUDGET FOR SURVILIENCE

S. No.	Particulars	Budget proposed by Proponent (in lacs)		Remarks
		Capital	Recurring (in lacs)	
1	Transport Permit	2.00	0.00	
2	CCTV Camera	1.00	0.10	
3	Weight Bridge	10.00	1.00	
4	Personal Computer with power backup	0.50	0.05	
5	Mobile Application Barcode scanner	0.50	0.05	
6	Radio Frequency Identification Tag (RFID) and GPS	1.00	0.10	
7	Annual Audit of lease	0.00	0.70	
8	Security Guard	0.00	0.80	
	Total	15.00	2.80	

GENERAL PUBLIC HEARING CONCERNS

S. No.	Usual concerns expressed by public during proceedings	Yes/No
1	Mining should be carried out without harming the environment of the area. Measures should be adopted to curb environmental pollution	Yes
2	RBM material to locals on concessional rates	Yes

3	Transporters and playing vehicles should not work in night hours. All types pollution should be checked	Yes
4	Manual mining & Employment to the local unemployed youth	Yes
5	Mining will be carried out in scientific Manner	Yes
6	Embankments should be protected, channelling should be carried out, safe guard of residential area, land, orchard land, trout fish, aquatic life and other property should be given priority.	Yes
7	Regular Water sprinkling /Dust pollution should be controlled during mining operation on approach roads	Yes
8	Irrigation channels should be protected, bunds should be constructed, electricity should be provided, roads should be metalled and Drinking water supply should not be hampered by the mining activity	Yes

EXAMINATION OF MINING SITE ON MULTIDATE GOOGLE EARTH IMAGE PLATFORM USING KML /KMZ FILE EMAILED/UPLOADED BY THE PROJECT PROPONENT/CONSULTANT

S.no.	Features observed	Within Mining site boundary (Yes/No/Not identifiable)	Outside mining site boundary (Yes/No/Not identifiable)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks
1	Features indicative of any Illegal mining.	Yes	Yes	-	-	Features suggestive of Illegal mining activity on available Google Image of 09/2018
2	Bridge with midstream piers, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
3	Bridge with only abutments, if any, located within mining	No	No	-	-	

	area/ within 500 mts. from the ends of mining block.					
4	Foot bridge with only abutments on two banks, if any located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
5	Green patch (Cropland / trees /orchard etc. if any located within mining block/adjacent to mining block or within 500 mts. from the mining block.	No	No	-	-	-
6	Structures of any kind (buildings /Flood control/ protection works/ electric installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.	No	No	-	-	-
7	Irrigation canal headworks/ khul inlets, if any located within mining block or	Not Identifiable	Yes			Features suggestive of an irrigation offtake point

	within 500 mts. of the mining block.					
8	Active water channels, if any crossing the mining block.	Yes	Yes	-	-	Active water channel needs to be excluded
9	National Park/Wildlife Sanctuary/ESZ, if any located in close vicinity of the mining block and distance thereof from the mining block.	No	No	-	-	
10	Forest land, if any located in close vicinity of the mining block. If yes, the distance thereof from the ends of mining block.	No	No	-	-	
12	Any other relevant feature of interest or condition which is critical to grant of ToRs/EC to the proposed project	No	No	-	-	

CASE SUMMARY OF BLOCK 43

Status	Resized Area	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed (in lacs)	CER budget proposed

	(Ha)			Capital	Recurring	(lacs/annum)
New Project	1.62	10.10	249.45	12.80	11.00	4.30

Mine Closure plan proposed (in lacs)	Revised Mining depth proposed by PP in PFR/EIA (mts.)	Haulage Route (Km)	Bulk density proposed by proponent in Mining Plan	Cluster situation (Yes/No)
0.00	1.00	0.69	2.3	YES

PROJECT EVENT DATES

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	ToRs granted on
06/06/2020	01/04/2022	30/06/2022	07/08/2020	20/01/2022

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by project proponent as the case may be	Public Hearing held on	Case discussed by JKEAC earlier on	Area reduced by G&M Dept.
NA	NA	March-April-2021	17/03/2022	18/12/2021 and 03/01/2022	01/10/2021

APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

STATUS OF DOCUMENTATION

S. No.	Document	Status	Remarks of the Committee
1	Form 1/Form 2 /Form 1-M as applicable	Submitted	
2	Pre-feasibility report (PFR)	Submitted	Needs to be revised as per deliberations/recommendations
3	Approved Mine Plan /Mine closure Plan	Formulated not as per guidelines	Mine Plan needs to be revised for mining depth, closure plan, surface plan, targeted mineral production, mining methodology etc.

4	District Survey Report Formulated not as per guidelines Needs revision for including replenishment data etc.	Formulated not as per guidelines	Needs revision for including replenishment data etc.
5	Environmental Management Plan/ Corporate Environmental Responsibility (PFR/EMP/CER)	Formulated but needs revision	Needs revision as per deliberations/ observations /recommendations

NO OBJECTION CERTIFICATES

S. No.	Department	Status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Issued conditionally	1.NOC from irrigation department mentions that supply channel and main water conductors of Tongri canal and chin Ladi are in the vicinity 2. Title verification is ambiguous
2	Flood Control Dept.	Issued conditionally	
3	Fisheries Dept.	Issued conditionally	
4	Forest Dept. (if required)	Issued as non-forest	
5	Wildlife Protection Dept (If required)	Issued	
6	Pollution Control Board	Issued	
7	Revenue Dept.	Ambiguous (not stated as state land)	
8	PHE (Jalshakti) Dept.	Issued conditionally	
10	Soil and Water Conservation dept.	---	

ENVIRONMENTAL MANAGEMENT PLAN

S. No	Proposed actions	Budget proposed by Proponent (in lacs)		Budget proposed by Proponent (in lacs)	
		Capital	Capital	Recurring	Recurring
1	Green belt development	1.20	1.00	1.20	1.00
2	Haulage route maintenance	4.60	1.50	4.60	1.50

3	Pollution monitoring	2.50	3.00	2.50	3.00
4	Pollution control & Dust suppression	2.00	3.00	2.00	3.00
5	Occupational Health & Safety of mine workers	2.50	2.50	2.50	2.50
6	Laying of Hume pipes	0.00	0.00	6.00	4.00
	Total	12.80	11.00	18.80	15.00

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks
1	Health	Free Distribution of medicines, health check-up	1.00	
2	Solar lightening	Installation of solar lights & distribution of free solar panels in the nearby village	0.00	
3	Covid -19	Distribution of Sanitizers, face masks etc in the nearby village.	0.70	
4	Sanitation	Construction of toilet (Ladies & Gents) in the nearby village	1.30	
5	Education	Distribution of books, stationery items etc in the nearby school	1.30	
	Total		4.30	

BUDGET FOR SURVILIENCE

S.	Particulars	Budget proposed by Proponent	Remarks
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No.		(in lacs)	
		Capital	Recurring (in lacs)
1	Transport Permit	2.00	0.00
2	CCTV Camera	1.00	0.10
3	Weight Bridge	10.00	1.00
4	Personal Computer with power backup	0.50	0.05
5	Mobile Application Barcode scanner	0.50	0.05
6	Radio Frequency Identification Tag (RFID) and GPS	1.00	0.10
7	Annual Audit of lease	0.00	0.70
8	Security Guard	0.00	0.80
	Total	15.00	2.80

GENERAL PUBLIC HEARING CONCERNS

S. No.	Usual concerns expressed by public during proceedings	Yes/No
1	Mining should be carried out without harming the environment of the area. Measures should be adopted to curb environmental pollution	Yes
2	RBM material to locals on concessional rates	Yes
3	Transporters and playing vehicles should not work in night hours. All types pollution should be checked	Yes
4	Manual mining & Employment to the local unemployed youth	Yes
5	Mining will be carried out in scientific Manner	Yes
6	Embankments should be protected, channelling should be carried out, safe guard of residential area, land, orchard land, trout fish, aquatic life and other property should be given priority.	Yes
7	Regular Water sprinkling /Dust pollution should be controlled during mining operation on approach roads	Yes

8	Irrigation channels should be protected, bunds should be constructed, electricity should be provided, roads should be metalled and Drinking water supply should not be hampered by the mining activity	Yes
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EXAMINATION OF MINING SITE ON MULTIDATE GOOGLE EARTH IMAGE PLATFORM USING KML /KMZ FILE EMAILED/UPLOADED BY THE PROJECT PROPONENT/CONSULTANT

S.no.	Features observed	Within Mining site boundary (Yes/No/Not identifiable)	Outside mining site boundary (Yes/No/Not identifiable)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks
1	Features indicative of any Illegal mining.	Yes	Yes	-	-	Features suggestive of Illegal mining activity on available Google Image of 09/2018
2	Bridge with midstream piers, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	-
3	Bridge with only abutments, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
4	Foot bridge with only abutments on two banks, if any located within mining area/ within 500	No	No	-	-	

	mts. from the ends of mining block.					
5	Green patch (Cropland / trees /orchard etc. if any located within mining block/adjacent to mining block or within 500 mts. from the mining block.	No	No	-	-	-
6	Structures of any kind (buildings /Flood control/ protection works/ electric installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.	No	No	-	-	-
7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Not Identifiable	Yes			Features indicative of offtake point of a presumably water mill in the vicinity
8	Active water channels, if any crossing the mining block.	Yes	Yes	-	-	Active water channel needs to be excluded
9	National Park/Wildlife	No	No	-	-	

	Sanctuary/ESZ, if any located in close vicinity of the mining block and distance thereof from the mining block.					
10	Forest land, if any located in close vicinity of the mining block. If yes, the distance thereof from the ends of mining block.	No	No	-	-	
12	Any other relevant feature of interest or condition which is critical to grant of ToRs/EC to the proposed project	No	No	-	-	

DELIBERATIONS/SPECIFIC OBSERVATION(S) OF COMMITTEE, IF ANY:

- a) The cases had been discussed by the Expert Appraisal Committee earlier during the 81st Meeting held on 03/01/2022 under cluster situation during which the committee granted ToRs to the projects subject to condition that: -
- i. PP submits report from Multi-Departmental District Level Task Force Cell (MDDLTF) w.r.t illegal mining in the area and fixing of responsibility thereof, besides, reporting whether the PP is involved in it.
 - ii. Submission of revised title verification from the concerned Revenue Authority.
 - iii. Active water channel observed also in the resized mining block 43.
 - iv. The supply channel of presumably water supply scheme exists in the vicinity of the **block - 43** which requires specific NOC from the stakeholder departments.
 - v. Drastic reduction in mining area is bound to affect the economic viability of mining operations in the block - 43 as the viability gap is likely to open doors to illegal mining and result in further degradation of environment.
 - vi. The Committee further observed Irrigation offtake point at a distance of 214m from the mining block No.42 and found the canal moving parallel to the mining block at a distance of less than 50m. Further, the Committee also noticed extensive erosion on left bank of the nalla at the site of mining block and apprehended that erosion may be aggravated as and when mining operations commence. The Committee therefore, desired that the PP should

- incorporate adequate mitigation measures in EMP with appropriate budget aimed at arresting the progression of erosion. Besides, the mining operations shall be restricted beyond a distance of 70 m from the erosion affected edge of the nalla and also maintain a safe distance of 50m from edge of the canal. The mining block shall be resized accordingly.
- vii. Mining depth of 3.00 m and Bulk density of 2.3 m adopted in the instant mining plan were not agreed by the committee. Mining depth needs to be restricted to max. 1m in aggregate and bulk density be based on actual ground measurements.
- b) Now, the PPs have approached JKEIAA for consideration of the cases for grant of EC after submitting the final EIA and Public Hearing Report with submission of the following compliances:
- I. In compliance to above **Point No i)**, the PPs have submitted a report on illegal mining from the MDDLTF cell vide letter no DMS/PA/21/4237-39 dated 04/02/2022 which mentions that the project proponents of these mining blocks are not involved in any illegal mining activity.
 - II. With respect to **point no ii)**, the PPs have not submitted any fresh title verification from the concerned revenue authority for the revised mining blocks which needs to be submitted **prior to grant of EC.**
 - III. With respect to **point no iii) regarding presence of active water channel**, the committee desired that the PP should exclude the active water channel while calculating the targeted mineral production.
 - IV. In compliance to **point no iv)**, the PPs have submitted the NOC from Executive Engineer Irrigation Division Shopian which mentions that supply channel and main water conductors of Tongri canal and Chin Ladi lie in the vicinity. However, the JKEAC opined that the NOC is on a generalized format and does not indicate presence or absence of any off-take point within distance of 200m and desired that the PP should obtain fresh NOC as per the format to be downloaded from the website of the Dept. of Environment, **prior to grant of EC.**
 - V. With respect to **point no v regarding economic viability of the project**, the Committee desired that the G&M Dept. should ascertain the same to ensure that the environmental setting of the area is not impacted.
 - VI. In compliance to **point no vi)**, The PP has resized the mining block-42 to 7.05 ha from 9.72 ha vide letter dated 30/03/2022 to exclude the erosion affected area and to maintain a safe distance of 50m from the edge of the canal.
 - VII. With respect to **point no vii viz. revised mining plan**, the compliance is yet to be submitted and therefore, needs to be submitted, **prior to grant of EC.**
- c) Submission of revised title verification for the resized mining blocks be obtained by the PP from the concerned revenue authorities, **prior to grant of EC.**
- d) The compliance to specific ToR condition relating to photographs of display screen displaying the date of collection of data missing in EIA report which needs to be submitted to JKEIAA office, **prior to grant of EC.**
- e) EM Budget needs to be revised with appropriate budget as suggested in the remark's column of EMP tables above **prior to grant of EC.**
- f) Mining depth of 3 m & bulk density of 2. 3 adopted in the instant mining plan were not agreed by the committee. Mining depth be restricted to max. 1m in aggregate and bulk density of 2.0 only be adopted for calculating the production targets in absence of actual field measurements.

RECOMMENDATION OF THE COMMITTEE

In view of the above deliberations / observations made by the Committee herein above, the Expert Appraisal Committee recommended the project for grant of EC subject to: -

- a) Standard and Specific Conditions as per **Annexure B** to these Minutes of Meeting.
- b) Submission of fresh title verifications from the concerned revenue authorities for both the resized mining blocks **prior to grant of EC.**
- c) Condition that the PPs obtain fresh NOCs from Irrigation Dept. as per the format uploaded on the website of the dept. of Environment, **prior to grant of EC.**
- d) The Committee also desired that the PPs should address all the genuine concerns of the locals raised during the public hearing.
- e) Compliance to specific ToR condition relating to photograph of display screen showing dates of data collection as detailed above, **prior to grant of EC.**
- f) Maximum targeted mineral production of **84600 MT for block 42 and 19400MT for block 43 respectively.**
- g) **Strict adherence to the terms and conditions of the NOCs of the stockholder departments which needs to be monitored by the enforcement agencies and concerned department.**
- h) **No JCBs/ Excavators/ Bulldozers to be used in mining and no water course to be disturbed while transporting minor minerals.**
- i) Condition the geographical coordinates as per LOI to be conveyed by G&M Dept. are mentioned in the EC letter by JKEIAA
- j) **Submission of compliance to the observations made herein above under deliberations, prior to grant of EC.**
- k) Validity of only three years from the date of commencement of the mining operations duly certified by the District Mineral Officer concerned with intimation to the JKEIAA and JKPCB in view of non-availability of replenishment data

AGENDA ITEM NO: 04

Title of case:	Grant of Environmental Clearance for minor mineral block 14, Revised area 2.20 Ha. ANG/II/14 Anag Bridge Lidder Nallah Upstream, District Anantnag, UT of Jammu and Kashmir in favour of Shri Kapil Aggarwal S/O Shri Jugesh Aggarwal.
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B2
Proposal no:	SIA/JK/MIN/257511/2022 SIA/JK/MIN/63366/2021
File no:	SEAC/JK/20/555
Consultant with validity	M/S P & M solutions Pvt. Ltd, Noida. Valid till: 10/12/2022

Presenter of consultant:	Mr. Manas Vyas
Project proponent / representative of Project proponent:	Mohammad Rashid

CASE SUMMARY

Status	Revised Area (Ha)	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed (in lacs)		CER budget proposed (lacs/annum)
				Capital	Recurring	
New Project	2.20	301.0	487.96	6.10	5.75	8.80

Mine Closure plan proposed (in lacs)	Revised Mining depth proposed (mts.)	Haulage Route (Kms)	Revised Bulk density proposed by proponent	Cluster situation (Yes/No)
1.50	1.00	0.30	2.0	NO

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	ToRs granted on
31/07/2020	01/04/2022	30/06/2022	26/04/2021	NA

PROJECT EVENT DATES

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by project proponent as the case may be	Public Hearing held on	Case discussed by JKEAC earlier on	Area reduced by G&M Dept.

NA	NA	NA	NA	11/12/2021	08/10/2021 & 15/02/2022
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APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

STATUS OF DOCUMENTATION

S. No.	Document	Status	Remarks of the Committee
1	Form 1/Form 2 /Form 1-M as applicable	Submitted	
2	Pre-feasibility report (PFR)	Submitted	
3	Approved Mine Plan /Mine closure Plan	Formulated not as per guidelines	
4	District Survey Report	Formulated not as per guidelines	Needs revision for including replenishment data etc.
5	Environmental Management Plan/ Corporate Environmental Responsibility (EMP/CER)	Formulated but needs revision	Needs revision as per deliberations/ observations /recommendations

NO OBJECTION CERTIFICATES

S. No.	Department	status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Issued conditionally	The NOC issued by the Tehsildar (Mattan) is ambiguous without specifically mentioning the title of the resized mining block with area 2.20Ha
2	Flood Control Dept.	Issued conditionally	
3	Fisheries Dept.	Issued conditionally	
4	Forest Dept. (if required)	Issued as non-forest	
5	Wildlife Protection Dept (If required)	Not submitted	
6	Pollution Control Board	Not submitted	

7	Revenue Dept.	Ambiguous	The NOC issued by the Fisheries Dept. is valid only upto 31 st March 2022.
8	PHE (Jalshakti) Dept.	Issued conditionally	
10	Soil and Water Conservation dept.	---	

ENVIRONMENTAL MANAGEMENT PLAN

S. No	Proposed actions	Budget proposed by Proponent (in lacs)		Remarks/ Budget proposed by Committee (in lacs)	
		Capital	Recurring	Capital	Recurring
1	Green belt development	1.00	0.75	2.00	3.00
2	Haulage route maintenance	2.60	1.50	3.00	2.00
3	Env. Awareness programme	0.00	0.00	0.00	0.00
4	Pollution monitoring	1.00	1.00	2.00	2.00
5	Dust suppression	1.00	2.00	3.00	2.00
6	Occupational Health & Safety of mine workers	0.50	0.50	1.00	1.00
7	Installation of Hume pipes/ Engineering works to stabilize banks	0.00	0.00	6.00	5.00
	Total	6.10	5.75	17.50	15.50

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks
1	Health	Free Distribution of medicines, health check-up	3.00	
2	Drinking water	Providing drinking water facility in the nearby village	2.00	

3	Covid -19	Distribution of Sanitizers, face masks etc in the nearby village.	0.80	
4	Sanitation	Construction of toilet (Ladies & Gents) in the nearby village	3.00	
5	Education	Distribution of books, stationery items etc in the nearby school	0.00	
	Total		8.80	

BUDGET FOR SURVILIENCE

S. No.	Particulars	Budget proposed by Proponent (in lacs)		Remarks
		Capital	Recurring (in lacs)	
1	Transport Permit	2.00	0.00	
2	CCTV Camera	1.00	0.10	
3	Weight Bridge	10.00	1.00	
4	Personal Computer with power backup	0.50	0.05	
5	Mobile Application Barcode scanner	0.50	0.05	
6	Radio Frequency Identification Tag (RFID) and GPS	1.00	0.10	
7	Annual Audit of lease	0.00	0.70	
8	Security Guard	0.00	0.80	
	Total	15.00	2.80	

EXAMINATION OF MINING SITE ON MULTIDATE GOOGLE EARTH IMAGE PLATFORM USING KML /KMZ FILE EMAILED/UPLOADED BY THE PROJECT PROPONENT/CONSULTANT

S.no.	Features observed	Within Mining site boundary (Yes/No/Not identifiable)	Outside mining site boundary (Yes/No/Not identifiable)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks
1	Features indicative of any Illegal mining.	Yes	Yes	-	-	Features suggestive of Illegal mining activity on Google Image of 10/2021
2	Bridge with midstream piers, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	-
3	Bridge with only abutments, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
4	Foot bridge with only abutments on two banks, if any located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	

5	Green patch (Cropland / trees /orchard etc. if any located within mining block/adjacent to mining block or within 500 mts. from the mining block.	No	No	-	-	-
6	Structures of any kind (buildings /Flood control/ protection works/ electric installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.	No	No	-	-	
7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Not identifiable	Yes			
8	Active water channels, if any crossing the mining block.	No	Yes	-	-	Active water channel needs to be excluded
9	National Park/Wildlife Sanctuary/ESZ, if any located in close vicinity of the mining block and distance	No	No	-	-	

	thereof from the mining block.					
10	Forest land, if any located in close vicinity of the mining block. If yes, the distance thereof from the ends of mining block.	No	No	-	-	
12	Any other relevant feature of interest or condition which is critical to grant of ToRs/EC to the proposed project	No	No	-	-	

DELIBERATIONS/SPECIFIC OBSERVATION(S) OF COMMITTEE, IF ANY:

- a) The PP had earlier submitted the case for the grant of Terms of Reference in the 77th JKEAC meeting held on 11/12/2021 during which ToRs were rejected for following reasons:-
- i. The mining reserves have greatly depleted due to heavy illegal mining and hardly any reserves of minor minerals appeared to be available in the block of resized area of 7.47 Ha.(Original size: 9.23Ha)
 - ii. Non-availability of title verification.
 - iii. Mining block had been observed to be crisscrossed by active water channels at multiple locations with implications for existing irrigation network in the area, besides, surveillance / monitoring of the mining operations that could contribute to further degradation of the existing environment in the area.
- b) The PP has approached JKEIAA after resizing the mining block further from 7.47 Ha to 2.20 Ha and has directly applied for grant of EC under B2 category.
- c) The NOC issued by the Irrigation Dept., is on a generalized format without mentioning specific details relating to location of kuhls/canals offtake points in the area. ***It mentions that the supply channel of the Mirgund canal is located in the area and extraction of bed material shall adversely affect smooth irrigation facilities to the beneficiaries.***
- d) **Validity of NOC issued by Fisheries Dept. has expired on 31st march, 2022. Perusal of the same indicates that the Nallah is important from fisheries point of view.**
- e) The title verification issued by the concerned Tehsildar for the mining block of original area 9.23Ha indicates that the block comprises of shamlat, state land and proprietary land. ***However, title verification of the land under the resized mining block of 2.20 ha***

is not available and involvement of proprietary land in the resized mining block cannot be ruled out.

- f) Even though PP has submitted a *Fit for mining certificate* issued by G&M Dept. vide letter no. MSK/DGM/SGR/F-267/8387-88 dated 25/03/2022, *the Committee is of the considered view that further mining in the area would adversely affect the irrigation network, fisheries potential and the aesthetics of this catchment area of high tourist value, which has already been mined heavily in the past as per features observed on the Google Image.*

RECOMMENDATION OF THE COMMITTEE:

In view of the above deliberations and insight gained during the above cited appraisal process, the Committee rejected the case for grant of EC.

AGENDA ITEM NO: 05

Title of case:	Grant of Terms of Reference for River bed Mining Project of Minor Mineral in Block No.16, Area (8.20) Ha at ANS River Downstream Narloo Bridge, District-Reasi Jammu & Kashmir in favour of M/S Mahavir Mining R/o 01 Lane No.03 Shaheed Udham Singh Nagar. Mahavirmining.ec@rediffmail.com (ADS)
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B1
Proposal no:	SIA/JK/MIN/61532/2021
File no:	SEAC/JK/20/501
Consultant with validity	P& M solutions Pvt. Ltd, Noida. Valid till: 10/12/2022
Presenter of consultant:	Mr. Manas Vyas
Project proponent / representative of Project proponent:	M/S Mahavir Mining

CASE SUMMARY

Status	Area (Ha)	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed (in lacs)	CER budget proposed

				Capital	Recurring	(lacs/annum)
ADS	8.20	101.36	316.76	2.18	15.84	6.34

Mine Closure plan proposed (in lacs)	Mining depth proposed by PP in PFR (mts.)	Haulage Route (Kms)	Bulk density proposed by proponent in Mining plan	Cluster situation (Yes/No)
0.00	2.5	0.275	2.25	No

PROJECT EVENT DATES

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	ToRs granted on
09/09/2020	01/02/2022	30/06/2022	14/01/2021	Not yet

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by project proponent as the case may be	Public Hearing held on	Case discussed by JKEAC earlier on	Area reduced by G&M Dept.
NA	NA	Not yet	Not yet	22/04/2021 and 11/12/2021	NA

APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

STATUS OF DOCUMENTATION

S. No.	Document	Status	Remarks of the Committee
1	Form 1/Form 2 /Form 1-M as applicable	Submitted	

2	Pre-feasibility report (PFR)	Submitted	Pre-feasibility report (PFR) needs to be revised for Bulk density as its not given in PFR
3	Approved Mine Plan /Mine closure Plan	Formulated not as per guidelines	Mine Plan needs to be revised for mining depth, closure plan, surface plan, targeted mineral production, mining methodology etc.
4	District Survey Report	Formulated not as per guidelines	Needs revision for including replenishment data etc.
5	Environmental Management Plan/ Corporate Environmental Responsibility (EMP/CER)	Formulated but needs revision	Needs revision as per deliberations/ observations /recommendations

NO OBJECTION CERTIFICATES

S. No.	Department	status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Not submitted	
2	Flood Control Dept.	Not submitted	
3	Fisheries Dept.	Not submitted	
4	Forest Dept. (if required)	Issued as non-forest land	
5	Wildlife Protection Dept (If required)	Not submitted	
6	Pollution Control Board	Not submitted	
7	Revenue Dept.	Not submitted	
8	PHE (Jalshakti) Dept.	Not submitted	
10	Soil and Water Conservation dept.	Not submitted	

ENVIRONMENTAL MANAGEMENT PLAN

S. No	Proposed actions	Budget proposed by Proponent (in lacs)		Remarks/	
		Capital	Recurring	Capital	Recurring

1	Green belt development	0.80	1.20		
2	Haulage route maintenance	1.38	1.62		
3	Env. Awareness programme	0.00	0.00		
4	Pollution monitoring	0.00	4.00		
5	Pollution control& Dust suppression	0.00	5.00		
6	Occupational Health & Safety of mine workers	0.00	4.02		
	Total	2.18	15.84		

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks/
1	Health	Health awareness and medical camps for local community in nearby village and panchayat/ Distribution of Sanitizer, gloves and Mask to the nearby village and panchayat	2.00	
2	Sanitation	Construction of ladies' toilets in the village.	2.00	
3	Education	Distribution of school bags & books in nearby Primary School Education Grants to girl child to check drop outs in schools/ Renovation of toilets of nearby school	2.34	
4	Sanitation	Construction of ladies' toilets in the village.	0.00	
	Total		6.34	

BUDGET FOR SURVILIENCE

S.	Particulars	Budget proposed by Proponent	Remarks

No.		(in lacs)	
		Capital	Recurring (in lacs)
1	Transport Permit	2.00	0.00
2	CCTV Camera	1.00	0.10
3	Weight Bridge	10.00	1.00
4	Personal Computer with power backup	0.50	0.05
5	Mobile Application Barcode scanner	0.50	0.05
6	Radio Frequency Identification Tag (RFID) and GPS	1.00	0.10
7	Annual Audit of lease	0.00	0.70
8	Security Guard	0.00	0.80
	Total	15.00	2.80

EXAMINATION OF MINING SITE ON MULTIDATE GOOGLE EARTH IMAGE PLATFORM USING KML /KMZ FILE EMAILED/UPLOADED BY THE PROJECT PROPONENT/CONSULTANT

S.no.	Features observed	Within Mining site boundary (Yes/No/Not identifiable)	Outside mining site boundary (Yes/No/Not identifiable)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks
1	Features indicative of any Illegal mining.	Yes	Yes	-	-	Google Image of Dec/2020
2	Bridge with midstream piers, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	

3	Bridge /causeway with only abutments, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
4	Foot bridge with only abutments on two banks, if any located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
5	Green patch (Cropland / trees /orchard etc. if any located within mining block/adjacent to mining block or within 500 mts. from the mining block.	No	No	-	-	-
6	Structures of any kind (buildings /Flood control/ protection works/ electric installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.	No	No	-	-	-

7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Not Identifiable	Not Identifiable	-	-	Not Identifiable on Google Image of Dec/2020
8	Active water channels, if any crossing the mining block.	Yes	Yes	-	-	Need to be excluded from mining activity
9	National Park/Wildlife Sanctuary/ESZ, if any located in close vicinity of the mining block and distance thereof from the mining block.	No	No	-	-	
10	Forest land, if any located in close vicinity of the mining block. If yes, the distance thereof from the ends of mining block.	No	No	-	-	
12	Any other relevant feature of interest or condition which is critical to grant of ToRs/EC to the proposed project	No	No	-	-	-

DELIBERATIONS/SPECIFIC OBSERVATION(S) OF COMMITTEE, IF ANY:

- i. The case had been discussed by the Expert Appraisal Committee earlier during the 37th Meeting held on 22/04/2021 and 77th Meeting held on 11/12/2021 during which the Committee did not recommended the case for grant of TORs

and desired necessary clarification w.r.t boundaries of mining block vis-à-vis forest boundary.

- ii. The PP has now again approached JKEIAA for consideration of the project for grant of TORs after obtaining NOC from concerned DFO, Mahore Forest Division, vide letter no 3170-71 dated 09/03/2022 which mentions that the river Ans, on bed of which Mineral Block No. 16 is located, had changed its course in the past due to construction of Salal Hydro Electric project and the boundary pillars had been washed away. Under the apprehension that forest boundary may be traversing the proposed block between point E&F, (Boundary pillars No. 45 & 46 of Rumbal Thal Forest), the concerned DFO recommends that points E&F of Block no. 16 may be shifted towards G & H of the mining block. However, the Committee observed that the conflict area lies near pillar A and H and not pillar E&F as reported by the DFO. Therefore, it was desired that the PP should resize the mining block to avoid any conflict with the forest boundary.

RECOMMENDATION OF THE COMMITTEE

In view of the above deliberations / observations made by the Committee herein above, the Expert Appraisal Committee did not recommended the project for grant of ToRs in the present form.

However, the PP if he so desires, may again approach the JKEIAA after resizing the mining block to avoid any conflict with the forest boundaries both visible on Google Earth in conjunction with the digital forest boundary and in the light of assertions made by DFO in his communication.

AGENDA ITEM NO: 06: To discuss the report titled, ‘Minor Mineral Resource Estimation, Hydrology, Hydrogeology and Replenishment Studies of Nallah Doodganga and Nallah Shaliganga, District Badgam, UT of J&K’ formulated by G&M Dept. and forwarded by JKEIAA.

Deliberations: The JKEAC discussed the report titled, ‘*Minor Mineral Resource Estimation, Hydrology, Hydrogeology and Replenishment Studies of Nallah Doodganga and Nallah Shaliganga, District Badgam, UT of J&K*’ formulated by G&M Dept. that was forwarded by JKEIAA. The Committee deliberated the issue and desired to discuss it further in a separate meeting in view of importance of the matter for which separate meeting to be convened shortly.

OBSERVATIONS ABOUT CONDUCT OF CONSULTANTS

(Excellent/Good /Average/Poor)

(SCALE: 9 to 10= Excellent / 7-8=Good /5-6=Average / 4-5= below average / less than 3= Poor)

S. No.	Component	M/S P and M Solution Pvt. Ltd., Noida
1	Submission of the documents	6
2	Site Appreciation Note, kml /kmz file, site photo and site videos and PowerPoint presentation	6
3	Presentation of factual details of case(s)	6
4	Field knowledge of the case(s)	5
5	Formulation of PFR, EMP, EIA, CER etc.	6
	Overall professional conduct during proceedings	5.8

Note: The recommendations made herein above are subject to grant of extension to the Letter of Intents of the pertinent cases by the Competent Authority and in case extension to LoI to any of the above cited cases is not granted, the recommendations thereof made herein above shall automatically stand withdrawn.

The minutes were formulated online by the JK Level Expert Appraisal Committee (JKEAC) and are hereby issued with approval of the esteemed Chairman, JKEAC.



(Humayun Rashid)

SECRETARY

JKUT level Expert Appraisal Committee

NO:EAC/JK/22/13877-13889

Dated:25-06-2022

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. Brajbhushan 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 ArvindJasrotia 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. Sh. Sheikh Sajid, PA for information and with direction to upload the minutes on the environmental clearance portal at parivesh.nic.in.
14. Concerned File.

ANNEXURE-B

STANDARD AND SPECIFIC CONDITIONS FOR GRANT OF ENVIRONMENTAL CLEARANCE WITH RESPECT TO RIVER BED MINING PROJECTS ON LEASE BASIS

STANDARD CONDITIONS :-

Statutory compliance

- 1) This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court of J&K, Hon'ble NGT and any other Court of competent jurisdiction, as may be applicable.
- 2) The Project Proponent complies with all the statutory requirements and judgement of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.
- 3) The UT Government of J&K shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgement of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
- 4) This Environmental Clearance shall become operational only after receiving formal NBWL Clearance from MoEF&CC subsequent to the recommendations of the Standing Committee of National Board for Wildlife, if applicable to the Project.
- 5) This Environmental Clearance shall become operational only after receiving formal Forest Clearance (FC) under the provision of Forest Conservation Act, 1980, if applicable to the Project.
- 6) Project Proponent (PP) shall obtain Consent to Operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish / Consent to Operate from the concerned State Pollution Control Board/COMMITTEE.
- 7) The PP shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. PP shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.
- 8) The Project Proponent shall obtain consents from all the concerned land owners, before start of mining operations, as per the provisions of MMDR Act, 1957 and rules made there under in respect of lands which are not owned by it.
- 9) The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IAJI (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
- 10) A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.

- 11) State Pollution Control Board/COMMITTEE shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
- 12) The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area.
- 13) The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/COMMITTEE and web site of the Ministry of Environment, Forest and Climate Change (www.environmentclearance.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
- 14) The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.

Air quality monitoring and preservation

- 15) The PP shall generate data on air quality parameters PM10, PM2.5, NO2; CO and SO2 etc. as covered in the EIA Report covering the aspects of transportation, extraction, etc in the impact zone as per the site condition to ascertain the exposure characteristics at specific places and submit the same along with 6-monthly compliance report to concerned IRO. The data be also displayed prominently at the site.
- 16) Effective safeguard measures for prevention of dust generation and subsequent suppression by way of regular mechanical water sprinkling& other measures shall be carried out in areas prone to dust pollution including haulage route.

Water quality monitoring and preservation

- 17) In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
- 18) Regular monitoring of springs in and around the mine lease shall be carried out and recorded maintained. Natural water bodies and or streams which are flowing in and around the project area should not be disturbed. The PP in consultation with concerned department shall regularly monitor the groundwater table in open dug well located in the nearby villages to ascertain the impact of mining over ground water table. PP shall submit Report on changes in Ground water level and quality shall be submitted on six-monthly basis to Regional Office of the Ministry, MoEF&CC, CGWA and State Groundwater Department / State Pollution Control Board.
- 19) The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease and maintain its records. The Project Proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/ adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in

monitoring plan. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.

Noise and vibration monitoring and prevention

- 20) The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
- 21) The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.
- 22) The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.

Mining plan

- 23) The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation subject to changes recommended in the specific conditions herein below. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management , O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form to Short Term Permit (STP), Query license or any other name.
- 24) The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining & Geology as required under the Provision of the MMDR Act, 1957 and Rules/ Guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.

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

Transportation

- 26) No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. *(In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated.)* All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.
- 27) The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

Green Belt

- 28) The river bed mining projects involve extraction of sand, gravel and Bajri from dry river/ Nallah Bed and plantation in the 7.5 m buffer of the mine lease will mean plantation in between the river/nallah bed which will obstruct the natural flow of the river/nallah and might also lead to change in natural habitat of aquatic fauna. In lieu of the plantation on river bed the proponents will carry out plantation in the adjacent villages after due consultations with the PR/locals and the concerned DFO. Besides, the PP shall adhere to the conditions for green belt development as per ESR/CER/EMP strictly.
- 29) The Project Proponent shall carry out plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare

Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.

- 30) The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.
- 31) The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt.
- 32) And implemented in consultation with the State Forest and Wildlife Department. A copy of Wildlife Conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry.

Public hearing and human health issues

- 33) The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintain properly. PP shall also carryout Occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/ preventive measures be taken. A status report on the same may be sent to MoEFCC Regional Office and DGMS on half-yearly basis.
- 34) The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighbourhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation, Personal Hygiene, Hand washing, not to defecate in open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line HRA for all the category of workers and thereafter every five years.
- 35) The PP shall periodically monitor health of all the workers involved at mining site as per the regulations of Mines act.
- 36) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For this purpose, schedule of health examination of workers should be drawn and followed accordingly as per the regulations of Mines act. A First Aid Room shall be provided in the project both during construction and operations of the project.

- 37) The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- 38) Project Proponent shall make provision for the housing for workers/labors or shall construct labour camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.
- 39) The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing, if applicable, shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.

Corporate Environment Responsibility (CER)

- 40) The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M No 22-65/2017-IA. III dated 30/09/2020 or as proposed by EAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual report of implementation of the same along with documentary proof viz. photographs, purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to Regional Office MoEF&CC annually along with audited statement.
- 41) Project Proponent shall keep the funds earmarked for environmental protection measures in a separate account and refrain from diverting the same for other purposes. The Year wise expenditure of such funds should be reported to the MoEFCC and its concerned Regional Office.

Miscellaneous

- 42) The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area and KML file for recording the base line data and closure time data (after three years) and submit a report to concerned Regional Office of the MoEFCC.
- 43) The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- 44) The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.
- 45) A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEFCC.
- 46) The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data / information / monitoring reports.

SPECIFIC CONDITIONS: -

1	The Project Proponent must obtain NOCs from competent authority of all the concerned stake holder departments /Joint Inspection Report prior to grant of formal Environmental Clearance (EC). The EC shall be subject to strict compliance of conditions of the NOCs issued by the stake holder departments.
2	The cremation ground if any in the vicinity be properly demarcated and left undisturbed and its map showing geographical coordinates be submitted to JKEIAA before issuance of formal EC. Besides, map showing extraction route bypassing village settlements and agricultural/horticultural land as far as possible be submitted to the JKEIAA before formal grant of EC.
3	The maximum exploitation of the RBM from the mining block shall be as per approved mining plan or <u>as per revised mining plan to be approved by competent authority <i>denovo</i></u> within the prescribed area and depth recommended by the JK Expert Appraisal Committee, as the case may be and <u>whichever is less</u> . Mining depth mentioned above the recommended depth by JKEAC, if mentioned anywhere in any of the submitted documents whether by mistake or otherwise, shall be treated as omitted.
4	A green belt shall be developed under close supervision of the local panchayat.
5	The river bed material shall be sold to the local population within radial distance of 2 kms from the mine site for residential construction purpose at 50% concessional rates.
6	The formal lease shall be granted only after the Project Proponent deposits the funds earmarked under EMP / CER in a separate account to be opened for the purpose and funds be utilized in coordination with DFO, Social Forestry Dept. and concerned Chief Medical Officer (CMO) under supervision of local Panchayat Head. The funds earmarked for CSR shall also be utilized in accordance with CSR Policy Rules.
7	All the provisions of Minor Mineral Rules sanctioned under SRO105 with all amendments with respect to pertinent provisions of the legal framework relating to progressive mine closure shall be complied by the Project Proponent.
8	This Environmental Clearance is subject to final outcome of any litigation pending before Hon'ble Supreme Court of India, Hon'ble High Court of Jammu & Kashmir, Hon'ble NGT, or any other Court of Law, if any, as may be applicable to this project.
9	This Environmental Clearance is without prejudice to the standing instructions /orders from the competent authorities in the MoEF&CC, GoI and the UT of J&K w.r.t river bed mining activity.
10	An inspection Committee comprising of Additional Dy. Commissioner, District Mineral Officer, representative of Pollution Control Board, Executive Engineer Irrigation & Flood Control Dept., Executive Engineer, PHE(Jalshakti) Dept. and District Fisheries Officer shall monitor the implementation of the EMP and also certify at the end of each monsoon, that sufficient replenishment of the minor mineral has taken place during monsoon and further mining in the mining block shall not adversely affect the hydrological and ecological settings in the area.
11	The Project Proponent shall take all precautionary measures during mining operations for conservation and protection of endangered fauna and flora in the area.
12	Masks and PPE shall be provided to the workers in view of COVID-19.
13	Social distancing norms and other standard operating procedures relating to COVID-19 shall be followed during mining activity.
14	The plan worked out and expenditure made under Occupational Health should be undertaken in consultation with the Local Health Institution/PHC/Sub-Centre for utilization for the health and welfare of the local workers involved in mining activity

	and villagers living in the close vicinity. Regular Medical checkups and free medicines shall be provided under the fund.
15	The Project Proponent must ensure that the biological clock of the villagers in the vicinity of the project is not disturbed by any unauthorized night operations and all measures must be taken for keeping the noise levels within prescribed levels.
16	Provision shall be kept for housing of the labour force, toilets, facilities for cooking, safe water, health care, crèche etc. for the labour force.
17	A final Mine closure Plan along with details of Corpus fund shall be communicated to the MoEF&CC in advance for approval.
18	The top soil in case of surface land mining shall be temporarily stored at the designated / appropriate site and concurrently used for land reclamation.
19	The mining operations shall be undertaken in a systematic manner so that it does not damage the aesthetic view of the area.
20	Adequate steps should be taken to check soil erosion and engineering structures shall be raised wherever required. The mining shall be restricted to 3/4 th of the width of the river/riverlet or 7.5 m(inward) from river bank but upto 10% of the width of the river. While calculating targeted mineral production and while formulating the mining plan, the project proponent shall ensure that the area for removal of minerals shall not exceed 60% of the mine lease area, and any deviation or relaxation in this regard shall be adequately supported by the scientific report in accordance with Sand Mining Monitoring & Enforcement Guidelines of 2020.
21	The compliance report shall be submitted at Integrated Regional Office of MoEF&CC, Jammu with a copy to the Regulatory Authority.
22	The mining activity should in no case go beyond the area as mentioned in the Letter of Intent or Environmental clearance letter, whichever is less and a buffer area is maintained such that the slopes of adjoining area does not get disturbed.
23	All the provisions made and restrictions imposed as covered in the Minor Mineral Rules, shall be complied with, particularly regarding Environment Management Practices and its fund management.
24	The recommendations made in the District Survey Report on sustainable mining practices if any shall be complied.
25	The mining shall be done in bench form with maximum bench height within the mining depth as prescribed by the Expert Appraisal Committee
26	Mining should be initiated only after installation of signboards with demarcation pillars indicating the geo-coordinates of the plot as mentioned in the letter of intent, measurements (length /breadth) and should be laid in presence of the authorized official of the Geology & Mining Department. All vertices /corners of the mining block must be marked with concrete pillars of size 0.5mtx0.5mt x2.5mts (2.5 mts. is the depth below the NSL).The demarcation pillars site should mention the specific EC conditions and contact details of concerned authorities responsible for monitoring of compliance of EC conditions/district administration/Police at four corners of the mining block prominently on a large size durable display board for enabling the public to inform the authorities in case of violation of the EC conditions. The display board with details shall be maintained in perfect order throughout the period of lease/mining.
27	There should be no change in the method of excavation and quantity of minerals to be extracted.

28	The EC holder shall keep a correct account of quantity of mineral mined out, dispatched from the mine, mode of transport, registration number of vehicle, person in-charge of vehicle and mine plan. This should be produced before officers concerned for inspection.
29	The access to mining site should be controlled in a way that vehicles carrying mineral from that area are tracked and accounted for in accordance with standing guidelines issued by the Govt.
30	The Geology & Mining Department should use technology like Bar Coding, Information and Communications Technology (ICT), Web based and ICT enabled services, mobile SMS App etc. to account for weight of mineral being taken out of the plot and the number of trucks moving out with the mineral.
31	The PP should ensure no agriculture land in the area is used for any storage of sand or gets damaged due to any other transportation activity. Where ever, damages to agricultural land, assets or human or bovine life by way of plying of trollies and tippers etc. involved in transportation of minor mineral is reported, the Project Proponent shall pay adequate compensation with penalty to the effected persons as to be fixed up by the competent authority.
32	Waste generated will be collected on regular basis and will be disposed as per the Municipal Solid Waste Management (Management & Handling) Rule 2000 and its subsequent amendments.
33	Spring sources should not be affected due to mining activities. Necessary Protection measures are to be incorporated.
34	The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded.
35	Overloading of trucks and trolleys will be avoided.
36	All the instructions from authorities representing various government departments having stakes shall be complied with during the mining operations.
37	Haul road will be kept wide, compact and water spraying will be done. It shall be properly maintain by the PP and restored to original position after mining. Axel load on the roads should not exceed the prescribed load as per IRC
38	Restricted working hours. Mining operation has to be carried out between 6 am to 7 pm. During day light. Mining operations shall not be allowed at night.
39	No overhangs shall be allowed to be formed due to mining and mining shall not be allowed in area where subsidence of rocks is likely to occur due to steep angle of slope. Mining activity shall not be avoided in rainy season
40	Vehicles used for transportation of material are to be permitted only with fitness and PUC Certificates.
41	There shall be no extraction of stone / boulder in landslide prone areas.
42	Adequate facility for drinking water and toilets should be provided for the workers.
43	There should be controlled clearance of overground vegetation to be undertaken.
44	Transport of mineral will not be done through villages / habitations and any private productive or waste land.
45	Deep drilled handpump with sufficient funding provision should be earmarked for providing drinking facility to the labour force.
46	Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted.
47	The PP shall be responsible for enforcement of COVID-19 standard operating procedures and guidelines with respect to safety of workers involved in the mining activity.

48	Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral and transport of minerals will be as per IRC relevant guidelines if any in this regard.
49	Health and safety of workers should be taken care of. They should also be provided training in safety and health care aspects.
50	Junction at takeoff point of approach road with main road be properly developed with proper width and geometry required for safe movement of traffic by concession holder at his own cost.
51	No stacking shall be allowed on road side along National Highway or any public road.
52	Concealing of any information/data of submission of wrong/fabricated information by the Project Proponent and failure to comply with any of the above conditions may lead to withdrawal of the EC and attract action under the provisions of EP Act, 1986.
53	Mining shall be done manually minimally supported by semi-mechanized methods. Heavy machinery like JCBs, Excavators/L&T hydraulic excavators etc. should not be allowed. Emphasis should be given to employment of locally available labour force to address the socio-economic concerns of the locals.
54	The progressive mine closure shall be as per Rules in vogue. All actions relating to progressive mine closure shall be taken well in advance during the final year of mining so that the site is rehabilitated ecologically.
55	The reasonable concerns expressed by the local population during public hearing or otherwise shall be addressed by the Project Proponent. No blasting operations shall be allowed.
56	No mining activity shall be carried out in flowing water channel area within the mining block and adequate measures shall be taken to safeguard water quality and aquatic life including fisheries if available in the same.
57	The PP shall earmark funds strictly as per the agreed Environmental Management Plan to be spent on environmental monitoring, dust sprinkling, green belt development, rehabilitation of mined out area and landscaping/regressing and haulage route maintenance. The detailed updated plan shall be submitted to JKEIAA as per above deliberations before grant of formal EC, if desired by the JKEAC. Further, the CSR funds shall be earmarked and utilized as per CSR Rules.
58	The hydraulic structures/embankments /protection bunds shall not be disturbed /damaged during mining operations.
59	The alignment of the bank of the river and water shall not be changed in any case.
60	The water way of the Nalla shall not be restricted.
61	The applicant is bound to abide by the J&K Water Resources (Regulation and Management) Act and Rules of 2011 and J&K Fisheries Act, 2016 and all other relevant Acts and Rules thereof.
62	The EC is subject to condition that the mining block is located on state land exclusively in river bed without any encumbrances of any sort.
63	Under CSR, within 2 km radial distance, activities like regular health check-up of local villagers once a week shall be undertaken with free medicines. Safe drinking water facility by way of renovation of existing tanks/wells, digging of new tube wells and installation of water filters shall be undertaken. Skill development trainings shall be organized for unemployed local youth. Further, construction of toilets in schools, solar street lighting, free distribution of books, note books, N95 masks, hand sanitizers and school bags among students within 2 km radius from the mine area shall be undertaken. Under EMP, with 2 kms radial distance from mine area; air, water, soil, noise pollution

	monitoring on half yearly basis, black topping of roads passing through villages and maintenance of haulage /extraction routes, water sprinkling, PPE to mine workers, bearing of school/college fee and allied costs on education of children of mine workers, bearing of all costs on ailments/healthcare of mine workers, creation of green belt by way of raising and maintenance of 2500 trees per hectare on land identified by DFO Social Forestry concerned in consultation with village panchayat during the period of mining, shall be undertaken.
64	The JKEIAA reserves the right to impose any other condition in the EC at any time during the period of mining lease. The JKEIAA reserves the right to revoke the EC in case any of the environmental clearance conditions are violated during the mining activity. Mere grant of Environmental Clearance does not entitle the Project Proponent for grant of mining lease unless he obtains all other clearances as required under other provisions of law.
65	The EC is subject to condition that the Project proponent shall not change the water course of the river and no mining activity shall be carried out in active channel area, if any in the mining block.
66	Wherever the PP has to transport the mined out material across shallow water creeks found inside the mining block, he shall lay Hume pipes of appropriate sizes for the purpose so as not to disturb the natural flow of water.
67	On the request of project proponent, the competent authority shall issue necessary corrigendum to the approved mining plan w.r.t mining depth and area excluding the active water channel /green patch/ flood control structures/maintenance of safe distance to bridges/hydraulic structures and quantification of the targeted mineral, if and wherever, recommended by the Expert Appraisal Committee.
68	The project proponent shall undertake an environmental audit at least once a year by a reputed third-party entity and report of such audit shall be placed in public domain.
69	To ensure that irrigation inlets are not left high and dry due to mining and resultant degradation of bed, the Project Proponent also must construct well-designed cut-off walls, stretching bank to bank, having depth 1.5 times the maximum scour depth below the bed level, both upstream and downstream, maintaining prescribed distance from irrigation inlet/s as per guidelines.
70	The District Mineral Officer shall monitor the replenishment of the mined-out areas, traffic management, levels of production, river bank erosion, exit point of the site and instruct the Project proponent for initiating measures for mitigating environmental concerns.
71	The PP shall not sub-let the mining block to any third party without written approval from the JKEIAA
72	After ceasing the mining operations, the project proponent shall undertake re-grassing of the mining lease area and any other area which may have been disturbed due to mining activities and restore the area to a condition fit for growth of flora, fauna and fodder as per rules in vogue.
73	The Project Proponent shall strictly adhere to the Sand Mining Guidelines of 2016 and Enforcement and Monitoring Guidelines of 2020 issued by the Ministry of Environment, Forest & Climate Change, GoI
74	An appeal against the EC shall lie with the Hon'ble NGT, if preferred within 30 days as prescribed under Section 16 of the NGT Act, 2010.

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