



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 68TH MEETING OF THE JK EXPERT APPRAISAL COMMITTEE HELD ON 30TH OF OCTOBER, 2021 VIA VIDEO CONFERENCING

In pursuance to Meeting Notice issued vide No: EAC/JK/20/10118-10140 dated: 21/10/2021, the 68th Meeting of JK Level Expert Appraisal Committee (JKEAC) was held on 30th of October, 2021 via video Conferencing. The following attended the meeting: -

1	Mr. S.C. Sharma, IFS(Rtd.)	Chairman
2	Mr. M.A Tak, IFS(Rtd.)	Member
3	Engineer BB Sharma	Member
4	Mr. Irfan Yasin	Member
5	Prof. Anil Kumar Raina	Member
6	Mr. AR Makroo	Member
7	Prof. Farendra Kumar Sudan	Member
8	Mr. Humayun Rashid	Secretary

The Secretary, JKEAC welcomed the Chairman and Members of the JK Expert Appraisal Committee. He also welcomed Mr. H.L Langeh, Joint Director (J), G&M Dept., District Mineral Officer, Kulgam, District Mineral Officer, Poonch for responding to the emailed request to join for clarifications if any required during the proceedings. It was observed that other district level officers/representatives of the stakeholder departments did not login to provide on the spot clarification on the cases. The Expert Appraisal Committee desired JKEIAA to take up the matter with higher authorities and to ensure presence of the concerned District Level officers of the stakeholder departments with unambiguous credentials (*viz. Name of the officer, designation, Dept. and district*) while logging in for virtual meeting on the scheduled dates in future.

The Expert Appraisal Committee also desired that the JKEIAA should endorse its Minutes of Meetings reflecting decision on the recommendations made by JKEAC on the listed cases, to all the Heads of concerned stake holder departments and concerned Dy. Commissioners appropriate follow-up action.

The meeting proceeded as per following sequence: -

AGENDA ITEM NO: 01

Title of case:	Grant of Environmental Clearance (EC) for River bed mining of Minor Mineral in Block No.8, Revised Area- 5.80 Ha. Batapora Bridge Downstream Rambiar Nallah, District- Shopian, Jammu & Kashmir in favour of Shri Kapil Agarwal S/O Shri Jugesh Agarwal.
Project type	Mining Lease

(whether mining lease/STP/ Quarry license/brick earth)	
Category(B1/B2)	B1
Proposal no:	SIA/JK/MIN/59615/2021
File no:	SEAC/JK/20/376
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

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	5.80	34.43	209.83	5.15	10.50	4.20

Mine Closure plan proposed (in lacs)	Revised Mining depth proposed (mts.)	Haulage Route (Kms)	Bulk density proposed by proponent	Cluster situation (Yes/No)
1.50	1	0.83	2.1	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
18/07/2020	18/09/2021	30/11/2021	03/10/2020	12/02/2021

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	Mar-May 2021	26-08-2021	19-01-2021	11-10-2021

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 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)	Issued	
6	Pollution Control Board	Not submitted	
7	Revenue Dept.	Issued	
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/
		Capital	Recurring	
1	Green belt development	1.00	1.20	To be revised with appropriate budget in accordance with deliberations/recommendations
2	Haulage route maintenance	4.15	1.50	
3	Env. Awareness programme	0.00	0.00	
4	Pollution monitoring	0.00	2.00	
5	Dust suppression	0.00	2.80	
6	Occupational Health & Safety of mine workers	0.00	3.00	
7	Installation of Hume pipes	0.00	0.00	
	Total	5.15	10.50	

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	1.20	
2	Drinking water	Providing drinking water facility in the nearby village	1.00	
3	Covid -19	Distribution of Sanitizers, face masks etc in the nearby village.	1.00	
4	Sanitation	Construction of toilet in the nearby village	1.00	
	Total		4.20	

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	Yes
5	RBM material to locals on concessional rates	---
6	Manual mining & Employment to the local unemployed youth	Yes
7	Strongly opposed any such activity in the Nallah	Yes

8	A private school teacher opposed the project as there is apprehension of Noise & Air pollution.	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	-	-	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	-	-	Safe distance to bridge maintained by resizing the 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/	No	No	-	-	

	protection works/ electric installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.					
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 09/2018
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:

- a) The project had earlier been discussed during 24th meeting held on 19.01.2021 during which the committee recommended TORs to the project subject to resizing of the mining block to maintain a safe distance of 500mts from the bridge. The project proponent has applied afresh after resizing the mining block.

- b) During appraisal process existence of a school and some other structures were observed in close vicinity of the mining block.
- c) Conducting of mining operations in the vicinity of school had also been resented by the employees of school during the public hearing.
- d) The District authorities need to take the concerns of the school authorities into account and ensure that any fallout of the mining operations does not adversely affect the school environment. Further, in case the District Administration feels that the mining operations should necessarily be carried out, a specific haulage route which minimizes the problem of noise and air pollution, need to be prescribed in consultation with school authorities.
- e) The Committee asked the Consultant about the use, nature and legal status of the structures observed in the close vicinity of the mining block. But, the consultant was not able to give any insight into the matter. The Committee also tried to seek feedback from the concerned DMO but he too did not respond. Therefore, in absence of any clarity on the issue, it was desired to seek necessary clarification on the matter.
- f) Preventing/protective measures to minimize the pollution resulting from mining operations need to be proposed and cost thereof provided in the EMP budget.
- g) Even after resizing of the mining block, active water channels are still seen forming part of the mining block. The PP needs to restrict mining in dry shoals only and where crossing of active channels is unavoidable, scientific methods which minimise the disturbance of natural flow need to be proposed / adopted.
- h) Illegal mining activity was also detected in the mining block as per features on Google image of Sep, 2018. However, the present status needs clarification from the Multi Dept. District level Task Force (MDLTF) Cell to the effect the PP is not involved in illegal mining, if it is still continuing there.
- i) The PP shall obtain '*fit for mining certificate*' from G&M Dept. to the effect that adequate replenishment has taken place and there is enough material available in the proposed mining block that can be excavated without endangering ecological and hydrological regime of the area.
- j) The compliance to specific ToR condition relating to photographs of display screen of Air Quality Monitoring Station displaying the date of collection of data is missing in EIA report which needs to be submitted.
- k) Project cost has been underestimated by the consultant as it does not include cost of EMP, CER etc.
- l) Revision of the mining plan with mine closure plan, revised mining depth, surface plan, area, targeted mineral production and replenishment and its *denovo* approval by the competent authority.

RECOMMENDATION OF THE COMMITTEE:

1. In view of the above deliberations and insight gained during the above cited appraisal process, the Committee did not approve the project in its present form.
2. The PP, if he so desires, can approach JKEIAA for reconsideration of the case after complying with the requirements / observations as made herein above.

AGENDA ITEM NO: 02

Title of case:	Grant of Environmental Clearance (EC) for Minor Mineral in Block No.28/A2 Area 8.89 Ha.- Mah Village Downstream Vishu Nalla, District-Kulgam, State-Jammu & Kashmir in favour of Shri. Kapil Agrawal S/O Shri. Jugesh Agarwal.
Project type	Mining Lease

(whether mining lease/STP/ Quarry license/brick earth)	
Category(B1/B2)	B1
Proposal no:	SIA/JK/MIN/60746/2021
File no:	SEAC/JK/20/448
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

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	8.89	194.20	369.1	4.87	18.45	7.39

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	0.79	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
05/08/2020	18/09/2021	30/11/2021	04/12/2020	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 2021	28-07-2021	13-03- 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	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	0.90	1.95	6.00	5.00
2	Haulage route maintenance	3.97	1.50	5.00	4.00
3	Env. Awareness programme	0.00	0.00	0.50	0.50
4	Pollution monitoring	0.00	2.00	2.00	2.00
5	Dust suppression	0.00	5.00	4.00	3.00
6	Occupational Health & Safety of mine workers	0.00	8.00	2.00	2.00

7	Installation of Hume pipes	0.00	0.00	6.00	5.00
	Total	4.87	18.45	25.50	21.50

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks Budget recommended by Committee (in lacs)
1	Health	Free Distribution of medicines, health check-up	3.50	1.50
2	Drinking water	Providing drinking water facility in the nearby village	2.39	1.00
3	Covid -19	Distribution of Sanitizers, face masks etc in the nearby village.	1.50	1.00
4	Sanitation	Construction of toilet in the nearby village	0.00	1.50
5	Education	Distribution of free school books , stationery, face lifting etc in the nearby school	0.00	2.39
	Total		7.39	7.39

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	Yes
7	Pitched for early grant of EC to the mining block	Yes
8	Local transport (tractor, trollies etc) should be used in the mining work	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 5/2021
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	No	No	-	-	

	block/adjacent to mining block or within 500 mts. from the mining block.					
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 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	No	No	-	-	

	ToRs/EC to the proposed project					
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DELIBERATIONS/SPECIFIC OBSERVATION(S) OF COMMITTEE, IF ANY:

1. The project had earlier been discussed during 29th meeting held on 13.03.2021 during which the committee recommended TORs to the project subject to title verification of the mining block as state land and exclusion of 50% of the block under active water channel.
2. However, The PP has calculated the minable minerals at 1 m depth while excluding only 20% of active water channel. Therefore, the Committee expressed its dismay at the non-compliance of the condition under which the ToRs had been granted and asked the consultant to strictly follow the observation made by the Committee w.r.t exclusion of the active water channel and to submit the revised EIA/PFR with revised calculations after exclusion of 50% area on account of active water channel.
3. Heavy illegal mining activity detected in the mining block as per features on Google image of May, 2021 in the designated block which needs clarification from the Multi Dept. District level Task Force (MDLTF) Cell, prior to grant of formal EC. In case it is reported that the PP has been involved in the mining activity in the designated mining block, the EC so granted shall be liable to be withdrawn.
4. The Committee further stipulates that in view of poor prospects of availability of the material due to heavy mining in the area, the G&M dept. shall re-inspect the site, re-estimate and quantify the minable reserves keeping in view the restricted mining depth of 1m from the original MSL that can be allowed in the absence of replenishment data in the District Survey Report.
5. The PP shall obtain '*fit for mining certificate*' from G&M Dept. to the effect that adequate replenishment has taken place and there is enough material available in the proposed mining block that can be excavated without endangering ecological and hydrological regime of the area, prior to grant of EC.
6. **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. In case, it is found that such irrigation facility is not existing, same needs to be recorded by the concerned hydraulic engineer with consent of local PRI 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 stating that there are no irrigation off-take points in the vicinity of the mining block that could adversely affect the irrigation works in the area, prior to grant of formal EC.**
7. The JKEAC desired that the conditions of NOC need to be adhered to in letter and spirit in close supervision of stakeholder departments.
8. The compliance to specific ToR condition relating to photographs of display screen of Air Quality Monitoring Station displaying the date of collection of data is missing in EIA report which needs to be submitted, prior to grant of EC.
9. Project cost has been underestimated by the consultant as it does not include cost of EMP, CER and therefore needs to be revised, prior to grant of EC.
10. EMP/CER budget needs to be revised with appropriate budget as suggested in the remark's column above, prior to grant of EC.
11. Revision of the mining plan with mine closure plan, revised mining depth, surface plan, area targeted mineral production and replenishment and its *denovo* approval by the competent authority prior to grant of EC or as decided by JKEIAA.
12. Mining depth of 2.5 m & bulk density of 2.1 given in the mining plan not agreed by the committee. Therefore, the same need to be revised while calculating the revised targeted mineral production.

13. Mining depth be restricted to max. 1m in aggregate in view of non-availability of replenishment data in the DSRs formulated by the G&M Dept.
14. A nominal bulk density of 2.0 in absence of actual measurements.

RECOMMENDATION OF THE COMMITTEE:

- a) 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: -
- b) Standard and Specific Conditions as per **Annexure B** to these Minutes of Meeting.
- c) **Compliance of observations made herein above under deliberations, prior to grant of EC.**
- d) Submission of consent of local panchayat and field verification report from concerned Xen, Irrigation Dept. on the observations made by the Committee with seal and signature on the back side of Colour Google image of the area depicting the mining block boundary and Kuhls/canals off-take points **with annotations**, if any within 200m of the mining block boundary, stating therein that there are no irrigation off-take points in the vicinity of the mining block or *otherwise* that could adversely affect the irrigation works in the area, prior to grant of formal EC.
- e) **Submission of 'fit for mining certificate'** from G&M Dept.as per deliberations herein above.
- f) Clarification from the Multi Dept. District level Task Force (MDLTF) Cell as deliberated above, prior to grant of formal EC.
- g) **Submission of revised EIA/PFR with revised calculations of the mineral production after excluding 50% as active water channel.**
- h) **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.**
- i) **No JCBs/ Excavators/ Bulldozers to be used in mining and no water course to be disturbed while transporting minor minerals.**
- j) Maximum targeted mineral production of **88900 MT.**
- k) Condition the geographical coordinates as per LoI issued by G&M Dept. are mentioned in the EC letter by JKEIAA
- l) 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

Title of case:	Grant of Environmental Clearance (EC) Minor Mineral Block No-22, Area 8.54 Ha Poonch River Upstream Sher-e-Kashmir Bridge (Bhainch Area), Village- Dalera & Bhainch, Tehsil & District-Poonch, State-Jammu & Kashmir in favour of M/S Singh Minerals.
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B1
Proposal no:	SIA/JK/MIN/59983/2021
File no:	SEAC/JK/20/452
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

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	8.54	20.07	134.22	2.85	6.71	2.68

Mine Closure plan proposed (in lacs)	Revised Mining depth proposed (mts.)	Haulage Route (Kms)	Bulk density proposed by proponent	Cluster situation (Yes/No)
Not Provided	1	0.39	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	18/09/2021	30/11/2021	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 2021	31-07-2021	13-03-2021	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	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
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NO OBJECTION CERTIFICATES

S. No.	Department	status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Issued conditionally	NOCs issued under single window system by Deputy Commissioner vide No: DCP/PA/1121-31 dated: 15/05/2021.
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.	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/
		Capital	Recurring	
1	Green belt development	0.90	1.08	To be revised with appropriate budget in the light of deliberations/recommendations
2	Haulage route maintenance	1.95	1.62	
3	Env. Awareness programme	0.00	0.00	
4	Pollution monitoring	0.00	1.51	
5	Dust suppression	0.00	1.50	
6	Occupational Health & Safety of mine workers	0.00	1.00	
7	Installation of Hume pipes	0.00	0.00	
	Total	2.85	6.71	

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks Budget recommended by Committee (in lacs)
1	Health	Health awareness, medical camps (Free Distribution of medicines, health check-up) etc in the village nearby.	1.00	1.00

2	Drinking water	Providing drinking water facility in the nearby village	1.00	0.50
3	Covid -19	Distribution of Sanitizers, face masks etc in the nearby village.	0.68	0.50
4	Sanitation	Construction of toilet in the nearby village	0.00	0.00
5	Education	Distribution of free school books , stationery, face lifting etc in the nearby school	0.00	0.68
	Total		2.68	2.68

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	Yes
7	Opposed the move of allotment of the block to the non-local	Yes
8	Protection bunds must be constructed along the river bank near the mining block	Yes
9	Loss of land of local people near the mining block must be assessed first	Yes
10	Pasture lands located near mining block shall not be ignored	Yes
11	Mining activities will affect the water level which will ultimately disturb the irrigation canal.	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 05/2021
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/	No	No	-	-	

	in close vicinity to mining block or within 500 mts. of the mining block.					
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 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:

- a) The project had earlier been discussed during 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 and subject to exclusion of the private land if any involved due to change of Nalla course and subject to revision of project cost and exclusion of the active water channel.
- b) Heavy illegal mining activity detected in the mining block as per features on Google image of May, 2021 in the designated block for which clarification from the Multi Dept. District level Task Force (MDLTF) Cell has been obtained by the PP stating that the PP is not involved in the illegal mining activity in the designated mining block.

- c) The Committee further stipulates that in view of poor prospects of availability of the material due to heavy mining in the area, the PP shall obtain '*fit for mining certificate*' from G&M Dept. to the effect that adequate replenishment has taken place and there is enough material available in the proposed mining block that can be excavated without endangering ecological and hydrological regime of the area with photographic and video-graphic evidence.
- d) **The Committee further observed that only 1/4th of the area of the block seems available for mining activity which too is bifurcated by a permanent active water channel into Northern and Southern shoals. The Joint Director, G&M Dept., Jammu opined that in such a situation, the mining plan should prescribe selective mining, which however, was not found in the mining plan prescriptions presented by the consultant. Therefore, the mining plan needs to be revised.**
- e) **The Committee also observed that the situation demands two separate haulage routes for northern and Southern Shoals with exclusion of active water channel while calculating the targeted mineral production and therefore, the EIA/PFR needs revision.**
- f) The examination of mining block on Google Earth platform revealed features that are presumably suggestive of irrigation off-take points in the vicinity of the mining block. The Committee desired clarification from the concerned Xen Irrigation Dept. but there was no one present to clarify the doubt as the NOC issued by the concerned Dept. was found to be in a generalized format and not specific to the ground realities.
- g) **Therefore, the Committee desired project proponent to obtain field verification report of same from the concerned Xen Irrigation Dept. In case, it is found that such irrigation facility is not existing, same needs to be recorded by the concerned hydraulic engineer with consent of local PRI 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 stating that there are no irrigation off-take points in the vicinity of the mining block that could adversely affect the irrigation works in the area.**
- h) The compliance to specific ToR condition relating to photographs of display screen of Air Quality Monitoring Station displaying the date of collection of data missing in EIA report which needs to be submitted.
- i) Project cost has been underestimated by the consultant as it does not include cost of EMP, CER and therefore needs to be revised.
- j) Revision of the mining plan with mine closure plan, revised mining depth, surface plan, area targeted mineral production and replenishment and its *denovo* approval by the competent authority.

RECOMMENDATION OF THE COMMITTEE:

- a. In view of the above deliberations and insight gained during the above cited appraisal process, the Committee did not approve the case in the present form.
- b. The PP if he so desires, can approach JKEIAA for reconsideration of the case after complying with the requirements / observations as made herein above.

AGENDA ITEM NO: 04

Title of case:	Grant of Environmental Clearance (EC) for the Minor Mineral (River Bed Material) mining project at Block no. 14, Area- 8.65 Ha at Mini Secretariat Shopian, Downstream Rambiara Nallah, District- Shopian, Jammu & Kashmir in favour of Shri Umesh Kumar Sharma S/O Shri Shiv Narayan Sharma.
Project type (whether mining lease/STP/)	Mining Lease

Quarry license/brick earth)	
Category(B1/B2)	B1
Proposal no:	SIA/JK/MIN/59684/2021
File no:	SEAC/JK/20/375
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

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	8.65	62.72	225.62	3.75	11.28	4.50

Mine Closure plan proposed (in lacs)	Revised Mining depth proposed (mts.)	Haulage Route (Kms)	Bulk density proposed by proponent	Cluster situation (Yes/No)
1.50	1	0.57	2.1	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
18/07/2020	18/09/2021	30/11/2021	03/10/2020	12/02/2021

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	Mar-May 2021	08-09-2021	19-01-2021	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	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	Issued	
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	0.90	1.08	5.00	4.00
2	Haulage route maintenance	2.85	1.50	5.00	4.00
3	Env. Awareness programme	0.00	0.00	0.50	0.50
4	Pollution monitoring	0.00	2.00	2.00	2.00
5	Dust suppression	0.00	2.70	4.00	3.00
6	Occupational Health & Safety of mine workers	0.00	4.00	2.00	2.00
7	Installation of Hume pipes	0.00	0.00	5.00	5.00
	Total	3.75	11.28	23.50	20.50

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	1.50	
2	Drinking water	Providing drinking water facility in the nearby village	1.00	
3	Covid -19	Distribution of Sanitizers, face masks etc in the nearby village.	1.00	
4	Sanitation	Construction of toilet in the nearby village	0.00	
5	Education	Distribution of free school books , stationery, face lifting etc in the nearby school	1.00	
	Total		4.50	

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	Yes

6	Manual mining & Employment to the local unemployed youth	Yes
7	Mining should be done in a manner so that the irrigation canals don't get damaged.	Yes
8	Haulage route should be properly maintained	Yes
9	Dust generated during transportation should be taken care of	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 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 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.	No	No	-	-	

	from the mining block.					
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 09/2018
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:

- a) The project had earlier been discussed during 24th meeting held on 19.01.2021 during which the committee recommended TORs to the project.
- b) Exclusion of active water channel while calculating the targeted mineral production and the revised PFR/EIA be submitted prior to grant of formal EC.
- c) Illegal mining activity reported during the Public Hearing. However, it could not be verified from the Google image as the latest available image was of Sept., 2018. However, the present status needs clarification from the Multi Dept. District level Task Force (MDLTF) Cell to the effect the PP is not involved in illegal mining, if it is still continuing there, prior to grant of formal EC. In case it is reported that the PP has been involved in the mining activity in the designated mining block, the EC so granted shall be liable to be withdrawn.
- d) The JKEAC desired that the conditions of NOC need to be adhered to in letter and spirit under close supervision of the stakeholder departments.
- e) The NOC issued by the Irrigation Dept. is on a generalized format without specifying the location of the Zawoora Irrigation canal/any other canal. Therefore, the Committee desired that a categorical NOC from Irrigation dept. to the effect that mining activity shall not adversely affect the existing Irrigation works shall be prerequisite for grant of EC.
- f) The NOC issued by the District Adm. was discussed in the light of PH Report in which it has been reported that part of private land has been eroded in to the river bed during floods of 2014 and demarcation has not been conducted. Therefore, the Committee desired fresh and unambiguous title verification of the land under the mining block.
- g) The compliance to specific ToR condition relating to photographs of display screen of Air Quality Monitoring Station displaying the date of collection of data is missing in EIA report which needs to be submitted prior to grant of EC.
- h) Project cost has been underestimated by the consultant as it does not include cost of EMP, CER and therefore needs to be revised, prior to grant of EC.
- i) EMP budget needs to be revised with appropriate budget as suggested in the remark's column above.
- j) Revision of the mining plan with mine closure plan, revised mining depth, surface plan, targeted mineral production and replenishment and its *denovo* approval by the competent authority prior to grant of EC or as decided by JKEIAA.
- k) Mining depth of 3 m & a bulk density of 2.1 given in the mining plan not agreed by the committee. Therefore, the same need to be revised while calculating the revised targeted mineral production.
- l) Mining depth be restricted to max. 1m in aggregate in view of non-availability of replenishment data in the DSRs formulated by the G&M Dept.
- m) A nominal bulk density of 2.0 in absence of actual measurements.

RECOMMENDATION OF THE COMMITTEE:

- a) 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: -
- b) Standard and Specific Conditions as per **Annexure B** to these Minutes of Meeting.
- c) **Compliance of observations made herein above under deliberations, prior to grant of EC.**
- d) Clarification from the Multi Dept. District level Task Force (MDLTF) Cell as per deliberations, prior to grant of formal EC.
- e) Submission of categorical and specific NOC from the Irrigation Dept. as per deliberations.
- f) **Subject to unambiguous title verification stating the area under the designated mining block falls under state land only.**
- g) **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.**
- h) **No JCBs/ Excavators/ Bulldozers to be used in mining and no water course to be disturbed while transporting minor minerals.**
- i) Maximum targeted mineral production of **103800 MT.**

- j) Condition the geographical coordinates as per area to be conveyed by G&M Dept. are mentioned in the EC letter by JKEIAA
- 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: 05

Title of case:	Grant of Environmental Clearance (EC) for RBM (River Bed Mineral) Minor Mineral Block Mining Project, Area of 9.11 ha., Block-24 at Poonch river downstream Kalai Bridge Kalai Area District Poonch, Jammu and Kashmir favouring Sai Mines Logate, Kathua, Jammu and Kashmir-184104 saimine.ec@gmail.com
Project type (whether mining lease/STP/Quarry license/brick earth)	Mining Lease
Category (B1/B2)	B1
Proposal no:	SIA/JK/MIN/59984/2021
File no:	SEAC/JK/20/445
Consultant with validity	P & M solution (10/12/2022)
Presenter of consultant:	Sh.Manas Vyas
Project proponent / representative of Project proponent:	M/S Sai Mines

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	9.11	19.00	133.15	1.96	6.65	2.66

Mine Closure plan proposed (in lacs)	Mining depth proposed (mts.)	Haulage Route (Kms)	Bulk density proposed by proponent in PFR/EIA	Cluster situation (Yes/No)
1.70	1.00	0.21	2.00	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
31/07/2020	18/09/2021	30/11/2021	15/12/2020	30/3/2021

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by (previous) 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	-

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, 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.	Issued conditionally	Dy. Commissioner, Poonch vide Ref No. DCP/PA/121-31 dated 15/05/2021 has conveyed NOCs of stake holders.
2	Flood Control Dept.	Issued Conditionally	
3	Fisheries Dept.	Issued Conditionally	
4	Forest Dept.	Issued as non-forest land	
5	Wildlife Protection Dept	Not issued	
6	Pollution Control Board	Not issued	
7	Revenue Dept.	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	0.91	1.20	6.00	5.00
2	Haulage route maintenance	1.05	1.62	3.50	2.50
3.	Env. Awareness programme	0.00	0.00	0.50	0.50
4	Pollution Monitoring	0.00	1.00	1.00	2.00
5	Pollution control/ water sprinkling/Dust suppression	0.00	1.50	2.00	2.00
6	Solid waste management	0.00	0.00	0.00	0.00
7.	Occupational Health & Safety of mine workers	0.00	1.33	1.00	1.50
9	Installation of Hume Pipes	0.00	0.00	6.00	4.00
	Total	1.96	6.65	20.00	17.50

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, Distribution of Sanitizer, gloves and Mask to the nearby village and panchayat.	1.63	
2	Electrification	Solar Lamp distribution & Solar street light installation in the village.	0.00	
3	Drinking water facility	Drinking water facility in nearby village/ Installation of hand pumps panchayat/ Installation of hand pumps	0.00	
3	Sanitation	Construction of ladies' toilets in the village.	1.90	
4	Education	Distribution of school bags & books in nearby Primary School Education Grants to girl child to check drop outs in schools.	0.00	
5	Rain water Harvesting structure	Construction of Rain water harvesting structure in the primary School nearby village.	0.00	
	Total		2.66	

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 AND COMMITMENTS

S. No.	Usual concerns expressed by public during proceedings	(Yes/No)
1	Proper demarcation of mining block/mining depth to be maintained	--
2	Prevention of illegal mining	Yes
3	EMP cost to be implemented practically	--
4	CER/CSR Activities for social upliftment	Yes
5	RBM material to locals on concessional rates	Yes
6	Manual mining & Employment to the local unemployed youth	Yes
7	Display of contact details of concerned authorities for enabling locals to report illegal mining or violation of EC conditions	--
8	Pollution, land degradation, loss of water body and rivulets/ soil erosion	Yes
9	Loss of land, unemployment and environmental concerns	Yes
10	Impact on social life and Horticultural/pasturelands	Yes
11	Money generated should be utilized at panchayat level	--
12	Ban on mining activities at the night	---
13	Installation of solar lights	--
14	Haulage route maintenance	Yes
15	Proper plantation of the nearby area	Yes
16	Mining should be carried out in scientific Manner	Yes
17	Drinking water and Irrigation canals may be saved	Yes
18	Embankments of the Mining Block should be protected	Yes
19	Title of land from Revenue Department should be demarcated before the auction of Mining Block	----
20	People and panchayat members of the concerned area would be consulted before tendering process	Yes
21	Impact on irrigation off take points and loss of productive agricultural	Yes
22	Material will be provided free of cost for Religious Places	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	-	-	As per latest available google image of 05/2021
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.	Yes	Yes	-	20	A few Scattered trees within the block and Agricultural land in the vicinity of the block
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	Not identifiable	Yes	-	-	Features presumably

	inlets, if any located within mining block or within 500 mts. of the mining block.					indicative of presence of supply channel of irrigation offtake point 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 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 the Expert Appraisal Committee earlier during the 29th Meeting held on 13/03/2021 during which the Committee had recommended ToRs to the project subject to Multi-dept. report on illegal mining with feedback from the local panchayat representatives and title verification.
- b) The project proponent has now applied for EC after obtaining title verification from the concerned. However, the PP has failed to submit any report on illegal mining nor has he submitted any feedback from the local panchayat. Heavy illegal mining activity was again observed by the Committee as per features on Google image of May, 2021 for which clarification from the Multi Dept. District level Task Force (MDLTF) Cell constituted by the Govt. needs to be obtained by the PP stating that the PP is not involved in the illegal mining activity in the designated mining block, prior to grant of Environmental Clearance (EC). In case, it is found that the project proponent (PP) is involved in illegal mining activity, the EC so granted is liable to be withdrawn.
- c) The Committee further stipulates that in view of poor prospects of availability of the material due to heavy mining in the area, the PP shall obtain '*fit for mining certificate*' from G&M

Dept. to the effect that adequate replenishment has taken place and there is enough material available in the proposed mining block that can be excavated without endangering ecological and hydrological regime of the area with photographic and vedigraphic evidence, prior to grant of EC.

- d) The examination of mining block on Google Earth platform revealed features that are presumably suggestive of many irrigation off-take points in the vicinity of the mining block. The Committee desired clarification from the concerned Xen Irrigation Dept. but there was no one present to clarify the doubt as the NOC issued by the concerned Dept. was found to be in a generalized format and not specific to the ground realities.
- e) **Therefore, the Committee desired project proponent to obtain field verification report of same from the concerned Xen Irrigation Dept. In case, it is found that such irrigation facility is not existing, same needs to be recorded by the concerned hydraulic engineer with consent of local PRI with seal and signature on the back side of Colour Google image of the area depicting the mining block boundary and Khul off-take points, if any within 200m of the mining block boundary stating that there are no irrigation off-take points in the vicinity of the mining block that could adversely affect the irrigation works in the area, prior to grant of formal EC.**
- f) The JKEAC desired that the conditions of NOC need to be adhered to in letter and spirit in close supervision of stakeholder departments.
- g) As per the Public Hearing Report, the local people including panchayat representatives have expressed reservations against the mining activity in the area and therefore, the Committee desired that the PP should ensure fulfilment of all genuine commitments made during the proceedings.
- h) The Google Image of the mining block shows more than 60% active water channel and therefore the Committee opined to consider only 40% for mining activity and that the haulage of material does not affect the natural flow of water for which adequate number of Hume pipes shall have to be laid at appropriate locations.
- i) Revision of the mining plan with mine closure plan, revised mining depth, revised mining block area, revised surface plan, targeted mineral production and replenishment and its denovo approval by the competent authority prior to grant of EC or as decided by JKEIAA.
- j) EMP Budget needs to be revised with appropriate budget as suggested in the remark's column of EMP table above.
- k) The ToR condition relating to submission of photographs of display screen of the air quality monitoring station showing data with dates of collection of the baseline data has not been submitted in the EIA report and the same needs to be submitted, prior to grant of formal EC.
- l) Mining depth of 3m and Bulk density of 2.25 in mining plan not agreed by the Committee.
- m) Mining depth be restricted to max. 1m in aggregate in view of non-availability of replenishment data in the DSRs formulated by the G&M Dept.
- n) A nominal bulk density of 2 be applied in absence of actual field measurements.

RECOMMENDATION OF THE COMMITTEE

- a) 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: -
- b) Standard and Specific Conditions as per **Annexure B** to these Minutes of Meeting.
- c) **Submission of compliance to the observations made herein above under deliberations, prior to grant of EC.**
- d) Submission of consent of local panchayat and field verification report from concerned Xen, Irrigation Dept. on the observations made by the Committee with seal and signature on the back side of Colour Google image of the area depicting the mining block boundary and Kuhls/canals off-take points with annotations, if any within 200m of the mining block boundary, stating therein that there are no irrigation off-take points in the vicinity of the mining block or *otherwise* that could adversely affect the irrigation works in the area, prior to grant of formal EC.
- e) Production of a '**fit for mining certificate**' from G&M Dept. to the effect that sufficient replenishment has taken place and there is enough material available in the proposed mining

block that can be excavated without endangering ecological and hydrological regime of the area.

- f) Maximum targeted mineral production of **72800 MT**.
- g) Condition the geographical coordinates as per LoI issued by G&M Dept. are mentioned in the EC letter by JKEIAA
- h) 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.**
- i) No JCBs/ Excavators/ Bulldozers to be used in mining and no water course to be disturbed while transporting minor minerals.
- j) 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: 06

Title of case:	Grant of Environmental Clearance (EC) for RBM (River Bed Mineral) Minor Mineral Block Mining Project, Revised Area of 6.25 ha., Block-36/B at Rahmoo Bridge Upstream Nallah Ramshoo, Village- Rahmoo, District Pulwama, Jammu & Kashmir favouring Mr. Umesh Kumar S/o Shiv Narayan Sharma R/o: B-33/568 Near Gurudwara Saroop Nagar, District- Ludhiana, Punjab. Pincode: 141008
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category (B1/B2)	B1
Proposal no:	SIA/JK/MIN/55058/2020
File no:	SEAC/JK/20/240
Consultant with validity	P & M solution (10/12/2022)
Presenter of consultant:	Sh.Manas Vyas
Project proponent / representative of Project proponent:	Mr. Umesh Kumar

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	6.25	96.00	240.75	4.00	12.03	4.75

Mine Closure plan proposed (in lacs)	Mining depth proposed (mts.)	Haulage Route (Kms)	Bulk density proposed by proponent in PFR/EIA	Cluster situation (Yes/No)
1.50	1.00	0.67	2.00	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
05/03/2021	01/09/2021	30/11/2021	08/06/2020	20/10/2020

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by (previous) 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	15/07/2021	26/09/2020	05/10/2021

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	
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.	Issued conditionally	Addl. Dy. Commissioner, Pulwama vide Ref No. DCP/Estt/SM/Noc/590-602 dated 03/05/2021 has conveyed NOCs of stake holders.
2	Flood Control Dept.	Issued Conditionally	
3	Fisheries Dept.	Issued Conditionally	
4	Forest Dept.	Issued as non-forest land	
5	Wildlife Protection Dept	Not issued	
6	Pollution Control Board	Issued	
7	Revenue Dept.	State land	
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 (in lacs)		Remarks/ Budget recommended by Committee (in lacs)	
		Capital	Recurring	Capital	Recurring
1	Green belt development	0.65	1.20	4.00	3.00
2	Haulage route maintenance	3.35	1.50	5.00	4.00
3.	Env. Awareness programme	0.00		0.50	0.50
4	Pollution Monitoring	0.00	3.00	1.00	2.00
5	Pollution control/ water sprinkling/Dust suppression	0.00	3.00	3.00	3.00
6	Solid waste management	0.00		0.00	0.00
7.	Occupational Health & Safety of mine workers	0.00	3.33	1.00	3.50
9	Installation of Hume Pipes	0.00	0.00	6.00	4.00
	Total	4.00	12.03	20.50	20.00

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, Distribution of Sanitizer, gloves and Mask to the nearby village and panchayat.	2.75	
2	Electrification	Solar Lamp distribution & Solar street light installation in the village.	0.00	
3	Drinking water facility	Drinking water facility in nearby village/ Installation of hand pumps panchayat/ Installation of hand pumps	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.	0.00	
5	Rain water Harvesting structure	Construction of Rain water harvesting structure in the primary School nearby village.	0.00	
	Total		4.75	

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	--
2	Prevention of illegal mining	--
3	EMP cost to be implemented practically	--
4	CER/CSR Activities for social upliftment	--
5	RBM material to locals on concessional rates	Yes
6	Manual mining & Employment to the local unemployed youth	Yes
7	Display of contact details of concerned authorities for enabling locals to report illegal mining or violation of EC conditions	--
8	Pollution, land degradation, loss of water body and rivulets/ soil erosion	--
9	Loss of land, unemployment and environmental concerns	--
10	Impact on social life and Horticultural/pasturelands	--
11	Money generated should be utilized at panchayat level	--
12	Ban on mining activities at the night	---
13	Installation of solar lights	--
14	Haulage route maintenance	--
15	Proper plantation of the nearby area	---
16	Mining should be carried out in scientific Manner	Yes
17	Drinking water and Irrigation canals may be saved	---
19	Land suited along the bank of Chenab river may be protected	---
20	Title of land from Revenue Department should be demarcated before the auction of Mining Block	----
21	People and panchayat members of the concerned area would be consulted before tendering process	----
23	Irrigation canals, irrigation off take points and both embankments should be protected during mining operations	Yes
25	Mining should be socio - economic friendly and biodiversity should be maintained	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	-	-	As per latest available google image of 06/2021
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	No	No	-	-	

	within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.					
7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Not identifiable	Yes	-	-	Appears to have been obliterated by illegal mining
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	-	-	

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

- a) The case had been discussed by the Expert Appraisal Committee earlier during the 15th Meeting held on 26/09/2020 during which the Committee recommended ToRs to the project subject to resizing of the mining block to maintain safe distance of 500m to the nearby bridge, besides, deliberating the extraction route of the mining block in Public Hearing so that locals are taken into confidence. Now the PP has resized the area to maintain a safe distance from the bridge but there is no mention of haulage route in the Public Hearing Report.
- b) Heavy illegal mining activity was observed by the Committee as per features on Google image of June, 2021 for which clarification from the Multi Dept. District level Task Force (MDLTF)

Cell constituted by the Govt. needs to be obtained by the PP stating that the PP is not involved in the illegal mining activity in the designated mining block, prior to grant of Environmental Clearance(EC). In case, it is found that the project proponent (PP) is involved in illegal mining activity, the EC so granted is liable to be withdrawn.

- c) The Committee further stipulates that in view of poor prospects of availability of the material due to heavy mining in the area, the PP shall obtain '*fit for mining certificate*' from G&M Dept. to the effect that adequate replenishment has taken place and there is enough material available in the proposed mining block that can be excavated without endangering ecological and hydrological regime of the area with photographic and vedigraphic evidence, prior to grant of EC.
- d) The examination of mining block on Multidate Google Earth Images revealed features that are presumably suggestive of irrigation off-take points in the vicinity of the mining block which seems to have been devastated by the illegal mining as a result of which most of the agricultural land has recently been converted into horticultural plantations. The Committee desired clarification from the concerned Xen Irrigation Dept. but there was no one present to clarify the doubt as the NOC issued by the concerned Dept. was found to be in a generalized format and not specific to the ground realities.
- e) **Therefore, the Committee desired project proponent to obtain field verification report of same from the concerned Xen Irrigation Dept. In case, it is found that such irrigation facility is not existing, same needs to be recorded by the concerned hydraulic engineer with consent of local PRI with seal and signature on the back side of Colour Google image of the area depicting the mining block boundary and Khul off-take points, if any within 200m of the mining block boundary stating that there are no irrigation off-take points in the vicinity of the mining block that could adversely affect the irrigation works in the area, prior to grant of formal EC.**
- f) The JKEAC desired that the conditions of NOC need to be adhered to in letter and spirit in close supervision of stakeholder departments.
- g) The Committee observed that the proposed haulage route is passing through orchards and therefore desired that the PP should resubmit the plan for haulage which should have least implication on ecological regime of the area and without any adverse effect on the livelihood of the locals, prior to grant of formal EC.
- h) The Google Image of the mining block shows considerable area under active water channel and therefore the Committee desired that the haulage of material should not affect the natural flow of water for which adequate number of Hume pipes shall have to be laid at appropriate locations.
- i) Revision of the mining plan with mine closure plan, revised mining depth, revised mining block area, revised surface plan, targeted mineral production and replenishment and its denovo approval by the competent authority prior to grant of EC or as decided by JKEIAA.
- j) EMP Budget needs to be revised with appropriate budget as suggested in the remark's column of EMP table above.
- k) The ToR condition relating to submission of photographs of display screen of the air quality monitoring station showing data with dates of collection of the baseline data has not been submitted in the EIA report and the same needs to be submitted, prior to grant of formal EC.
- l) Mining depth be restricted to max.1m in aggregate in view of non-availability of replenishment data in the DSRs formulated by the G&M Dept.

RECOMMENDATION OF THE COMMITTEE

- a) 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: -
- b) Standard and Specific Conditions as per **Annexure B** to these Minutes of Meeting.
- c) **Submission of compliance to the observations made herein above under deliberations, prior to grant of EC.**
- d) Clarification from the Multi Dept. District level Task Force (MDLTF) Cell constituted by the Govt. needs to be obtained by the PP stating that the PP is not involved in the illegal mining activity in the designated mining block, prior to grant of Environmental Clearance (EC). In

case, it is found that the project proponent (PP) is involved in illegal mining activity, the EC so granted is liable to be withdrawn.

- e) **'fit for mining certificate'** from G&M Dept. to the effect that adequate replenishment has taken place and there is enough material available in the proposed mining block that can be excavated without endangering ecological and hydrological regime of the area with photographic and vedigraphic evidence, prior to grant of EC.
- f) **Submission of revised haulage route away from orchards, cultivated land and habitations, prior to grant of EC.**
- g) Submission of consent of local panchayat and field verification report from concerned Xen, Irrigation Dept. on the observations made by the Committee with seal and signature on the back side of Colour Google image of the area depicting the mining block boundary and Kuhls/canals off-take points **with annotations**, if any within 200m of the mining block boundary, stating therein that there are no irrigation off-take points in the vicinity of the mining block or *otherwise* that could adversely affect the irrigation works in the area, prior to grant of formal EC.
- h) Production of a **'fit for mining certificate'** from G&M Dept. to the effect that sufficient replenishment has taken place and there is enough material available in the proposed mining block that can be excavated without endangering ecological and hydrological regime of the area.
- i) Maximum targeted mineral production of **75000MT**.
- j) Condition the geographical coordinates as per revised area to be conveyed by G&M Dept. are mentioned in the EC letter by JKEIAA
- k) **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.**
- l) No JCBs/ Excavators/ Bulldozers to be used in mining and no water course to be disturbed while transporting minor minerals.
- m) 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: 07

Title of case:	Grant of Environmental Clearance (EC) for RBM (River Bed Mineral) Minor Mineral Block Mining Project, Area of 7.95 ha., Block-20 at Rambiarra Nallah Govt. M/s Dumwani Downstream District- Shopian, Jammu & Kashmir favouring M/S Karanvir Singh S/O- Sh. Surinder Singh R/O- Lane No 3 Saheed Udham Singh Nagar District Pathankot, Punjab. karanvir.ec@gmail.com
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category (B1/B2)	B1
Proposal no:	SIA/JK/MIN/59676/2020
File no:	SEAC/JK/20/373
Consultant with validity	P & M solution (10/12/2022)
Presenter of consultant:	Sh.Manas Vyas
Project proponent / representative of Project proponent:	M/S Karanvir Singh

CASE SUMMARY

Status	Area (Ha)	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed (in lacs)	CER budget proposed
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				Capital	Recurring	(lacs/annum)
New Project	7.95	15.25	190.65	2.30	9.53	3.82

Mine Closure plan proposed (in lacs)	Mining depth proposed (mts.)	Haulage Route (Kms)	Bulk density proposed by proponent in PFR/EIA	Cluster situation (Yes/No)
1.70	1.00	0.54	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
18/07/2020	18/09/2021	30/11/2021	03/10/2020	12/02/2021

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by (previous) 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	Jan - may 2021	08/09/2021	19/01/2021	-

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	
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.	Issued conditionally	Dy. Commissioner, Shopian vide Ref No. dated has conveyed NOCs of stake holders. The NOC of irrigation department mentions that Supply channel of saller Khul is on left side of nallah Rambaira.
2	Flood Control Dept.	Not issued	
3	Fisheries Dept.	Not issued	
4	Forest Dept.	Not issued	
5	Wildlife Protection Dept	Not issued	
6	Pollution Control Board	Not issued	
7	Revenue Dept.	Not issued	
8	PHE (Jalshakti) Dept.	Not issued	
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	0.80	1.20	4.00	3.00
2	Haulage route maintenance	1.50	1.50	4.00	3.00
3.	Env. Awareness programme	0.00	0.00	0.50	0.50
4	Pollution Monitoring	0.0	2.0	1.00	2.00
5	Pollution control/ water sprinkling/Dust suppression	0.00	2.80	2.00	2.00
6	Solid waste management	0.00	0.00	0.00	0.00
7.	Occupational Health & Safety of mine workers	0.00	2.03	2.00	2.00
9	Augmentation of the protection works for Irrigation supply line (subject to revision by the Irrigation & Flood Control Dept.) and Towers	0.00	0.00	25.00	10.00
	Total	4.50	12.12	38.50	22.50

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, Distribution of Sanitizer, gloves and Mask to the nearby village and panchayat.	1.82	

2	Electrification	Solar Lamp distribution & Solar street light installation in the village.	0.00	
3	Drinking water facility	Drinking water facility in nearby village/ Installation of hand pumps panchayat/ Installation of hand pumps	0.00	
3	Sanitation	Construction of ladies' toilets in the village.	1.00	
4	Education	Distribution of school bags & books in nearby Primary School Education Grants to girl child to check drop outs in schools.	1.00	
5	Rain water Harvesting structure	Construction of Rain water harvesting structure in the primary School nearby village.	0.00	
	Total		3.82	

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	--
2	Prevention of illegal mining	--
3	EMP cost to be implemented practically	--
4	CER/CSR Activities for social upliftment	--
5	RBM material to locals on concessional rates	Yes
6	Manual mining & Employment to the local unemployed youth	Yes
7	Display of contact details of concerned authorities for enabling locals to report illegal mining or violation of EC conditions	--
8	Pollution, land degradation, loss of water body and rivulets/ soil erosion	--
9	Loss of land, unemployment and environmental concerns	--
10	Impact on social life and Horticultural/pasturelands	Yes
11	Money generated should be utilized at panchayat level	--
12	Ban on mining activities at the night	Yes

13	Installation of solar lights	--
14	Haulage route maintenance	Yes
15	Proper plantation of the nearby area	---
16	Mining should be carried out in scientific Manner	Yes
17	Drinking water and Irrigation canals may be saved	---
18	Embankments of the Mining Block should be protected	Yes
19	Land suited along the bank of Chenab river may be protected	---
20	Title of land from Revenue Department should be demarcated before the auction of Mining Block	Yes
21	People and panchayat members of the concerned area would be consulted before tendering process	----
23	irrigation canals, irrigation off take points and both embankments should be protected during mining operations	----

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	-	-	As per latest 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 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.	Yes	Yes	-	-	2 electric transmission Towers within the mining block.
7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Not identifiable	Yes	-	-	Supply channel of Saller Khul on the left side of the nallah.
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	Yes	Yes	-	-	2 Electric transmission towers.
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DELIBERATIONS/SPECIFIC OBSERVATION(S) OF COMMITTEE, IF ANY:

- a) The case had been discussed by the Expert Appraisal Committee earlier during the 15th Meeting held on 19/01/2021 during which the Committee recommended TORs to the project.
- b) 2 HT Electric Transmission towers were observed within the mining block and needs clarification from PDD department. The Committee desired that the PP should obtain the NOC from the Transmission Division of the PDD w.r.t the two Electric Transmission Towers in the mining block on the back side of Google screen shot showing location of the two HT Towers and the mining block boundary with annotations depicting same, before grant of EC.
- c) The NoC from Irrigation department mentions that on the left side of the nallah Rambaira supply channel of Saller Kuhl is flowing. But the NOC has been issued on a generalized format. Therefore, the Committee was of the opinion that the project proponent shall approach the Irrigation & Flood Control Dept. for assessment of vulnerability of the existing structures and the mining activity shall not have any adverse impact on the existing structures and if they deem so they will ensure the safety of structures and regulation of water supply. Further, the project proponent shall have to bear the cost of any such work suggested by the Irrigation and Flood Control Dept. This takes care of the conditions of NOC issued by the Irrigation Dept.
- d) The PP needs to submit Techno-feasibility report powered with photographs depicting the irrigation channel and the HT electric transmission towers proposing mitigation measures with necessary funding in the EMP as suggested in the EMP table, prior to grant of formal EC. In case the stakeholder dept. permits the mining same shall be executed on dry shoals on the South of the water creek only. This is to ensure stability to the two electric towers lying in the block.
- e) Features indicative of illegal mining observed on the latest available Google Earth Image of 9/2018. The Committee desired to obtain a report on the present status of the block through the MDLTF Cell to the effect that illegal mining activity is not reported from the block and if otherwise, the PP is not involved in it.
- f) Further, the Committee desired revised budget under the EMP as recommended in the EMP table herein above, which shall however, be as per assessment and demand of Irrigation & Flood Control Dept.
- g) The mining block needs to be resized by excluding the area North of the main water creek with a minimum safety buffer of 50mts from the HT Towers and 100m from the Irrigation supply channel. This approx. leaves the size of mining block with only 2.90 Ha for mining activity. The block forms cluster with the adjacent mining blocks and therefore, still falling under B1 category.
- h) The EMP budget needs to be revised as suggested in the remarks column, prior to grant of EC.
- i) The JKEAC desired that the conditions of NOC need to be adhered to in letter and spirit under close supervision of the stakeholder departments.
- j) The compliance to specific ToR condition relating to photographs of display screen of Air Quality Monitoring Station displaying the date of collection of data is missing in the EIA report and the same needs to be provided, prior to grant of EC.
- k) Revision of the mining plan with mine closure plan, revised mining depth, surface plan, area targeted mineral production and replenishment and its *denovo* approval by the competent authority prior to grant of EC or as decided by JKEIAA.
- l) Mining depth needs to be restricted to max.1m in aggregate in view of non-availability of replenishment data in the DSRs formulated by the G&M Dept.

- m) Bulk density of 2.3 in mining plan not agreed. A nominal bulk density of 2.0 in absence of actual measurements be considered.

RECOMMENDATION OF THE COMMITTEE:

- a) 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: -
- b) Standard and Specific Conditions as per **Annexure B** to these Minutes of Meeting.
- c) **Compliance of all observations made herein above under deliberations before grant of formal EC.**
- d) Resizing of the mining block from 7.95 Ha to 2.90 Ha to maintain safe distance to the Irrigation works and the HT transmission towers.
- e) Issuance of categorical NOC from concerned Xen, Transmission Division, holding the HT Towers / concerned stake holder dept. with seal and signature on the back side of Google screen shot showing location of HT Towers and the mining block boundary with annotations depicting same, before grant of EC.
- f) The EMP budget needs to be revised as suggested in the remarks column, prior to grant of EC.
- g) Revision of EIA report with compliance of specific ToR condition relating to photographs of display screen of the Air Quality Monitoring Station displaying the date of collection of data, before grant of formal EC.
- h) **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.**
- i) **No JCBs/ Excavators/ Bulldozers to be used in mining and no water course to be disturbed while transporting minor minerals.**
- j) Maximum targeted mineral production of **58,000 MT.**
- k) Condition the geographical coordinates as per revised area to be conveyed by G&M Dept. are mentioned in the EC letter by JKEIAA
- l) 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: 08

Title of case:	Grant of Environmental Clearance (EC) for RBM (River Bed Mineral) Minor Mineral Block Mining Project, Revised Area of 5.00 ha., Block- 26 at River Chenab downstream Baradari Bridge (Kans Khosan Area) Tehsil & District-Reasi, State-Jammu & Kashmir favouring M/S Karanvir Singh S/O- Sh. Surinder Singh R/O- Lane No 3 Saheed Udham Singh Nagar District Pathankot, Punjab 145001 karanvir.ec@gmail.com
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category (B1/B2)	B1
Proposal no:	SIA/JK/MIN/55853/2020
File no:	SEAC/JK/20/267
Consultant with validity	P & M solution (10/12/2022)
Presenter of consultant:	Sh.Manas Vyas
Project proponent / representative of Project proponent:	M/S Karanveer Singh

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	5.00	210.20	317.6	3.10	15.88	6.35

Mine Closure plan proposed (in lacs)	Mining depth proposed (mts.)	Haulage Route (Kms)	Bulk density proposed by proponent in PFR/EIA	Cluster situation (Yes/No)
1.70	1.00	0.520	2.00	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
16/06/2020	18/09/2021	30/11/2021	10/08/2020	05/11/2020

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by (previous) 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	26/06/2021	03/10/2020	11/07/2021

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	
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.	Issued conditionally	
2	Flood Control Dept.	Not submitted	
3	Fisheries Dept.	Issued Conditionally	
4	Forest Dept.	Issued as non-forest land	
5	Wildlife Protection Dept	Not submitted	
6	Pollution Control Board	Not submitted	
7	Revenue Dept.	Not submitted	
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	0.50	1.20	4.00	3.00
2	Haulage route maintenance	2.60	1.6	3.00	2.00
3.	Env. Awareness programme	0.00	0.00	0.50	0.50
4	Pollution Monitoring	0.0	4.08	1.00	2.00
5	Pollution control/ water sprinkling/Dust suppression	0.00	4.00	2.00	2.00
6	Solid waste management	0.00	0.00	0.00	0.00
7.	Occupational Health & Safety of mine workers	0.00	5.00	1.00	5.00
9	Installation of Hume Pipes	0.00	0.00	0.00	0.00
	Total	3.10	15.88	11.50	14.50

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, Distribution of Sanitizer, gloves and Mask to the nearby village and panchayat.	3.25	
2	Electrification	Solar Lamp distribution & Solar street light installation in the village.	3.10	

3	Drinking water facility	Drinking water facility in nearby village/ Installation of hand pumps panchayat/ Installation of hand pumps	2.00	
3	Sanitation	Construction of ladies' toilets in the village.	0.00	
4	Education	Distribution of school bags & books in nearby Primary School Education Grants to girl child to check drop outs in schools.	0.00	
5	Rain water Harvesting structure	Construction of Rain water harvesting structure in the primary School nearby village.	0.00	
	Total		6.35	

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	--
2	Prevention of illegal mining	--
3	EMP cost to be implemented practically	--
4	CER/CSR Activities for social upliftment	Yes
5	RBM material to locals on concessional rates	Yes
6	Manual mining & Employment to the local unemployed youth	Yes
7	Display of contact details of concerned authorities for enabling locals to report illegal mining or violation of EC conditions	--
8	Pollution, land degradation, loss of water body and rivulets/ soil erosion	--
9	Loss of land, unemployment and environmental concerns	--
10	Impact on social life and Horticultural/pasturelands	--
11	Money generated should be utilized at panchayat level	--

12	Ban on mining activities at the night	---
13	Installation of solar lights	--
14	Haulage route maintenance	Yes
15	Proper plantation of the nearby area	---
16	Mining should be carried out in scientific Manner	Yes
17	Drinking water and Irrigation canals may be saved	---
18	Embankments of the Mining Block should be protected	Yes
19	Land suited along the bank of Chenab river may be protected	---
20	Title of land from Revenue Department should be demarcated before the auction of Mining Block	----
21	People and panchayat members of the concerned area would be consulted before tendering process	----
23	irrigation canals, irrigation off take points and both embankments should be protected during mining operations	----
24	Contractor should obtain NOC from the concerned departments and Local panchayats	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.	No	No	-	-	As per latest 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 mts. from the	No	No	-	-	

	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	Not identifiable	-	-	Not identifiable
8	Active water channels, if any crossing the mining block.	No	Yes	-	-	Active water channel 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	-	-	
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DELIBERATIONS/SPECIFIC OBSERVATION(S) OF COMMITTEE, IF ANY:

- a) The case had been discussed by the Expert Appraisal Committee earlier in the 16th Meeting held on 03/10/2020 during which the Committee recommended TORs to the project subject to condition the limits of the mining block are redrawn as per ground reality excluding the active water channel (30%) and getting the mining plan approved *de-novo*. Now the PP has excluded the active water channel in the PFR and the resultant block area of the only 5.00 ha has been recommended by the G&M Dept. However, the Committee expressed its dismay on non-compliance of the TOR condition relating to the revision of mining plan with revised mining block area of 5Ha despite lapse of nearly one year.
- b) Therefore, the Committee recommended revision of the mining plan with mine closure plan, revised mining depth, revised mining block area, revised surface plan, targeted mineral production and replenishment and its denovo approval by the competent authority prior to grant of EC.
- c) EMP Budget needs to be revised with appropriate budget as suggested in the remark's column of EMP table above.
- d) The ToR condition relating to submission of photographs of display screen of the air quality monitoring station showing data with date of collection of the baseline data has not been submitted in the EIA report and the same needs to be submitted prior to grant of EC.
- e) The conditions of NOC need to be adhered to in letter and spirit under close supervision of the stockholder department.
- f) Mining depth of 3m and bulk density of 2.25 in mining plan not agreed by the Committee.
- g) Mining depth be restricted to max. 1m in aggregate in view of non-availability of replenishment data in the DSRs formulated by the G&M Dept.
- h) A nominal bulk density of 2 be applied in absence of actual field measurements.
- i) The Committee observed that the PP has not obtained NOC from all the stake holder depts. especially revenue and Flood Control Dept. and same need to be submitted prior to grant of formal EC.

RECOMMENDATION OF THE COMMITTEE

- a) 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: -
- b) Standard and Specific Conditions as per **Annexure B** to these Minutes of Meeting.
- c) **Submission of compliance to the observations made herein above under deliberations, prior to grant of EC.**
- d) Maximum targeted mineral production of **60000 MT**.
- e) **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.**
- f) No JCBs/ Excavators/ Bulldozers to be used in mining and no water course to be disturbed while transporting minor minerals.
- g) Condition the revised geographical coordinates **as per revised area** to be conveyed by G&M Dept. are mentioned in the EC letter by JKEIAA
- h) 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: 09

Title of case:	Grant of Environmental Clearance (EC) for RBM (River Bed Mineral) Minor Mineral Block Mining Project, Revised Area of 8.41 ha., Block- 09 at Nallah Batar, Upstream Batar Bridge, District Poonch, Jammu and Kashmir favouring M/S Kirti Pal Sharma S/O Shri Yash Pal Sharma R/O H no. 222, ward No 16 Tehsil & District Poonch, J&K. kirtipalsharma@rediffmail.com
Project type (whether mining lease/STP/Quarry license/brick earth)	Mining Lease
Category (B1/B2)	B1
Proposal no:	SIA/JK/MIN/60102/2020
File no:	SEAC/JK/20/415
Consultant with validity	Cognizance Research India Pvt. Ltd. 03/02/2022
Presenter of consultant:	Mr. Arun Yadav
Project proponent / representative of Project proponent:	M/S Kirti Pal Sharma

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	8.41	60.14	140.54	4.05	7.02	2.80

Mine Closure plan proposed (in lacs)	Mining depth proposed (mts.)	Haulage Route (Kms)	Bulk density proposed by proponent in PFR/EIA	Cluster situation (Yes/No)
0.00	1.00	0.24	2.00	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	18/09/2021	30/11/2021	15/12/2020	22/03/2021

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by (previous) 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	03/08/2021	16/02/2021	28/04/2021

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 revision for mining depth
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.	Issued conditionally	Dy. Commissioner, Poonch vide Ref No. DCP/PA/1121-32 dated 15/05/2021 has conveyed NOCs of stake holders.
2	Flood Control Dept.	Issued conditionally	
3	Fisheries Dept.	Issued Conditionally	
4	Forest Dept.	Issued as non-forest land	
5	Wildlife Protection Dept	Issued conditionally	
6	Pollution Control Board	Issued conditionally	
7	Revenue Dept.	Issued conditionally	
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	0.90	1.40	5.00	4.00
2	Haulage route maintenance	3.15	1.62	3.10	2.00
3.	Env. Awareness programme	0.00	0.00	0.50	0.50
4	Pollution Monitoring	0.0	2.00	0.00	2.00
5	Pollution control/ water sprinkling/Dust suppression	0.00	1.00	2.00	2.00
6	Solid waste management	0.00	0.00	0.00	0.00
7.	Occupational Health & Safety of mine workers	0.00	1.00	2.00	2.00

9	Installation of Hume Pipes	0.00	0.00	0.00	0.00
	Total	4.05	7.02	12.6	12.5

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, Distribution of Sanitizer, gloves and Mask to the nearby village and panchayat.	1.30	
2	Electrification	Solar Lamp distribution & Solar street light installation in the village.	0.00	
3	Drinking water facility	Drinking water facility in nearby village/ Installation of hand pumps panchayat/ Installation of hand pumps	1.50	
3	Sanitation	Construction of ladies' toilets in the village.	0.00	
4	Education	Distribution of school bags & books in nearby Primary School Education Grants to girl child to check drop outs in schools.	0.00	
5	Rain water Harvesting structure	Construction of Rain water harvesting structure in the primary School nearby village.	0.00	
	Total		2.80	

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	

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	--
2	Prevention of illegal mining	--
3	EMP cost to be implemented practically	--
4	CER/CSR Activities for social upliftment	Yes
5	RBM material to locals on concessional rates	Yes
6	Manual mining & Employment to the local unemployed youth	Yes
7	Display of contact details of concerned authorities for enabling locals to report illegal mining or violation of EC conditions	--
8	Pollution, land degradation, loss of water body and rivulets/ soil erosion	--
9	Loss of land, unemployment and environmental concerns	--
10	Impact on social life and Horticultural/pasturelands	--
11	Money generated should be utilized at panchayat level	--
12	Ban on mining activities at the night	---
13	Installation of solar lights	--
14	Haulage route maintenance	Yes
15	Proper plantation of the nearby area	---
16	Mining should be carried out in scientific Manner	Yes
17	Drinking water and Irrigation canals may be saved	---
18	Embankments of the Mining Block should be protected	-
19	Land suited along the bank of Chenab river may be protected	---
20	Title of land from Revenue Department should be demarcated before the auction of Mining Block	----
21	People and panchayat members of the concerned area would be consulted before tendering process	----
23	irrigation canals, irrigation off take points and both embankments should be protected during mining operations	----
24	contractor should obtain NOC from the concerned departments and Local panchayats	-
25	Royalty system of riverbed minerals should be regulated as per norms	Yes
26	Protection bund should be provided in flood prone 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	-	-	As per latest available google image of 05/2021

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.	Not identifiable	Yes	-	-	Features presumably indicative of presence of supply channel of

	of the mining block.					irrigation works 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 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 the Expert Appraisal Committee earlier during the 26th Meeting held on 16/02/2021 during the Committee recommended TORs to the project subject to resizing of the mining block to maintain safe distance to the bridge besides Multi-dept. Report on illegal mining in the mining block after recording views of local panchayat representatives. However, the PP has complied with the observations by resizing the block and submitting the report of illegal mining from MDLTF Cell stating that the PP is not involved in illegal mining.
- b) The Committee further stipulates that poor prospects of availability of the material due to heavy mining in the area, the PP shall obtain '*fit for mining certificate*' from G&M Dept. to the effect that adequate replenishment has taken place and there is enough material available in the proposed mining block that can be excavated without endangering ecological and hydrological regime of the area with photographic and video-graphic evidence, prior to grant of EC.
- c) The examination of mining block on Google Earth platform revealed features that are presumably suggestive of irrigation off-take points in the vicinity of the mining block. The Committee desired clarification from the concerned Xen Irrigation Dept. but there was no one present to clarify the doubt as the NOC issued by the concerned Dept. was found to be in a generalized format and not specific to the ground realities.
- d) **Therefore, the Committee desired project proponent to obtain field verification report of same from the concerned Xen Irrigation Dept. In case, it is found that such irrigation**

facility is not existing, same needs to be recorded by the concerned hydraulic engineer with consent of local PRI with seal and signature on the back side of Colour Google image of the area depicting the mining block boundary and Kuhl off-take points, if any within 200m of the mining block boundary stating that there are no irrigation off-take points in the vicinity of the mining block that could adversely affect the irrigation works in the area, prior to grant of formal EC.

- e) The JKEAC desired that the conditions of NOC need to be adhered to in letter and spirit in close supervision of stakeholder departments.
- f) Revision of the mining plan with mine closure plan, revised mining depth, revised mining block area, revised surface plan, targeted mineral production and replenishment and its denovo approval by the competent authority prior to grant of EC or as decided by JKEIAA.
- g) EMP Budget needs to be revised with appropriate budget as suggested in the remark's column of EMP table above.
- h) The active water channel needs to be excluded from mining activity.
- i) The ToR condition relating to submission of photographs of display screen of the air quality monitoring station showing data with date of collection of the baseline data has not been submitted in the EIA report and the same needs to be complied in letter and spirit.
- j) Mining depth of 2.5m mentioned in PFR and 3m in mining plan not agreed by the Committee. Bulk density of 2.25 mentioned in mining plan also not agreed by the Committee. Therefore, PFR need to be revised before grant of EC.
- k) Mining depth be restricted to max. 1m in aggregate in view of non-availability of replenishment data in the DSRs formulated by the G&M Dept.
- l) A nominal Bulk density of 2 be adopted in absence of actual measurement in field.

RECOMMENDATION OF THE COMMITTEE

- a) 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: -
- b) Standard and Specific Conditions as per **Annexure B** to these Minutes of Meeting.
- c) **Submission of compliance to the observations made herein above under deliberations prior to grant of EC.**
- d) Submission of consent of local panchayat and field verification report from concerned Xen, Irrigation Dept. on the observations made by the Committee with seal and signature on the back side of Colour Google image of the area depicting the mining block boundary and Kuhls/canals off-take points with annotations, if any within 200m of the mining block boundary, stating therein that there are no irrigation off-take points in the vicinity of the mining block or *otherwise* that could adversely affect the irrigation works in the area, prior to grant of formal EC.
- e) Production of a '**fit for mining certificate**' from G&M Dept. to the effect that sufficient replenishment has taken place and there is enough material available in the proposed mining block that can be excavated without endangering ecological and hydrological regime of the area with photographic and videographic evidence, prior to grant of EC.
- f) Maximum targeted mineral production of **100900 MT**.
- g) Condition the Revised geographical coordinates as per LoI issued by G&M Dept. are mentioned in the EC letter by JKEIAA
- h) **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.**
- i) No JCBs/ Excavators/ Bulldozers to be used in mining and no water course to be disturbed while transporting minor minerals.
- j) 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

OBSERVATIONS ABOUT CONDUCT OF CONSULTANTS

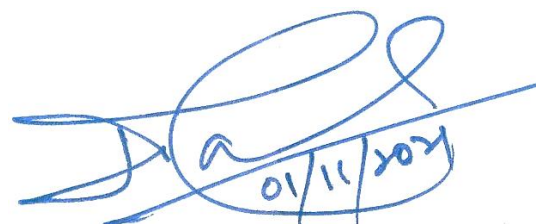
(Excellent/Good /Average/Poor)

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

S. No.	Component	P and M Solution	Cognizance Research India Pvt. Ltd
1	Submission of the documents	6	5
2	Site Appreciation Note, kml /kmz file, site photo and site videos and PowerPoint presentation	5	5
3	Presentation of factual details of case(s)	5	5
4	Field knowledge of the case(s)	5	5
5	Formulation of PFR, EMP, EIA, CER etc.	6	6
	Overall professional conduct during proceedings	5.4	5.2

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 extended, the recommendations thereof made herein above shall automatically stand withdrawn.

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



(Humayun Rashid)
SECRETARY
JKUT level Expert Appraisal Committee

NO:EAC/JK/21/10455-10467

Dated:01-11-2021

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 and necessary action please.
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.Atak, 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. IrfanYasin, 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) The Project Proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of ground water for the project.
- 11) 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.

- 12) 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.
- 13) 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.
- 14) 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.
- 15) 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

- 16) The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM 2.5, NO₂; CO and SO₂ etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PC/I, dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main Gate of the mine site.
- 17) Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipment's/ machineries and preventive maintenance: Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.

Water quality monitoring and preservation

- 18) 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.
- 19) Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be

disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug wall located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.

- 20) Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
- 21) 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.
- 22) Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J- 20012/1/2006-IAJI (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.
- 23) Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.
- 24) Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.

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

Noise and vibration monitoring and prevention

- 26) The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
- 27) 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.
- 28) 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

- 29) 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.
- 30) 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.
- 31) 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 selfsustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.

Land reclamation

- 32) The Overburden (O.B.) generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by D.G.M.S w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The topsoil shall be used for land reclamation and plantation.
- 33) The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
- 34) The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum Progressive Mine Closure Plan. iv. The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ levelling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.
- 35) The Project Proponent shall carry out slope stability study in case the dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC.
- 36) Catch drains, settling tanks and ponds of appropriate size shall be constructed around the mine working, mineral yards and Top Soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/ River/ Pond etc.). The collected water should be utilized for watering the mine area, roads, green belt development, plantation etc. The drains/ sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season, and maintain properly.
- 37) Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains,
- 38) The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The physical parameters of the top soil dumps like height, width and angle of slope shall be governed as per the approved Mining Plan and as per the guidelines framed by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of dumps. The topsoil shall be used for land reclamation and plantation purpose.

Transportation

- 39) 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.

- 40) 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

- 41) The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.
- 42) The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
- 43) 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.
- 44) 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.

- 45) 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

- 46) 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.
- 47) 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.
- 48) The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise Audiometric; for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn) Estimation in Blood; For Inorganic Chromium Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by NABH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos, Hard Rock Mining, Silica, Gold, Kaolin, Aluminium, Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure storage of the records including X-Ray. Only conventional X-Ray will be accepted for record purposes and not the digital one). X-Ray must meet ILO criteria (17 x14 inches and of good quality).
- 49) The Proponent shall maintain a record of performance indicators for workers which includes
- a. there should not be a significant decline in their Body Mass Index and it should stay between 18.5 -24.9,
 - b. the Final Chest X-Ray compared with the base line X-Ray should not show any capacities,
 - c. At the end of their leaving job there should be no Diminution in their Lung Functions Forced Expiratory Volume in one second (FEV1) Forced Vital

- Capacity (FVC), and the ratio) unless they are smokers which has to be adjusted, and the effect of age,
- d. their hearing should not be affected. As a proof an Audiogram (first and last need to be presented),
 - e. they should not have developed any Persistent Back Pain, Neck Pain, and the movement of their Hip, Knee and other joints should have normal range of movement,
 - f. they should not have suffered loss of any body part. The record of the same should be submitted to the Regional Office, MoEFCC annually along with details of the relief and compensation paid to workers having above indications.
- 50) 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.
- 51) 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.
- 52) 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)

- 53) 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.
- 54) 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

- 55) 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.
- 56) 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.
- 57) 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.

- 58) 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.
- 59) 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 denovo</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 to the Regional Office of the MoEF&CC at Chandigarh 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.
75	In the event any conflict in interpretation of Standard /General Conditions vis-a vis Specific Conditions, the Specific Conditions shall prevail.