



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
Email: seacers@gmail.com, Website: www.parivesh.nic.in

MINUTES OF MEETING

MINUTES OF 60th MEETING OF THE JK EXPERT APPRAISAL COMMITTEE HELD ON 11th of September, 2021 VIA VIDEO CONFERENCING

In pursuance to meeting Notice issued vide No: EAC/JK/20/9285-308 dated:06/09/2021, the 60th meeting of JK Level Expert Appraisal Committee (JKEAC) was held on 11th of September, 2021 via video Conferencing. The following members of JKEAC attended the meeting: -

No.	Name	Designation
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
6	Mr. G. M. Dar	Member
7	Prof. Anil Kumar Raina	Member
8	Mr. Majid Farooq	Secretary

Secretary, JKEAC welcomed Chairman and other participating Members of JKEAC, participating project proponents and the Consultants.

The meeting proceeded as per following sequence: -

AGENDA ITEM NO: 01

Title of case:	Grant of Environmental Clearance (EC) for Nallah Bed Mining Project - area 9.09 Ha located at Minor Mineral Block No- 23, W-Ashmuji Bridge Upstream, Vishu Nallah, Tehsil – Kulgam, District: Kulgam, and UT: J&K in favour of Shri Mohammad Yaseen Parray S/O Mohammad Yaqoob Parray.
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B1
Proposal no:	SIA/JK/MIN/66838 /2020 // SIA/JK/MIN/57330/2020
File no:	SEAC/JK/20/312
Consultant with validity	M/S Atmos Sustainable solutions Pvt. Ltd. Valid till: 08/09/2023
Presenter of consultant:	Mr. M. Gilbert and Ms Rashmi Saraswat
Project proponent representative of Project proponent:	Mr. Mohd Yaseen Parray

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	9.09	137.00	230.82	7.00	7.00	11.51

Mine Closure plan proposed (in lacs)	Mining depth proposed (mts.)	Haulage Route (Kms)	Bulk density proposed by proponent	Cluster situation (Yes/No)
0.15	1	1.72	2.3	NA

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
16/07/2020	15/04/2021	31/08/2021	31/08/2020	27/12/2020

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by 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	08-05-2021	17-11-2020	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	
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 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.	-	NOC from I&FC Dept not submitted by the project proponent which is very important
2	Flood Control Dept.	-	
3	Fisheries Dept.	Issued conditionally	
4	Forest Dept. (if required)	Issued as non-forest	
5	Wildlife Protection Dept (If required)	---	
6	Pollution Control Board	---	
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/ Needs revision with appropriate budget
		Capital	Recurring	
1	Green belt development	1.50	1.50	
2	Haulage route maintenance	3.00	3.00	
3.	Env. Awareness programme	0.52	0.52	
4	Pollution monitoring	1.98	1.98	
5	Dust suppression	0.00	0.00	
7.	Occupational Health & Safety of mine workers	0.00	0.00	
8.	Laying of Hume pipes across water creeks	0.00	0.00	
	Total	7.00	7.00	

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 Installation of hand pumps	3.84	
2	Electrification	Solar Lamp distribution & Solar Street light installation in the village.	3.84	
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.	3.84	
	Total		11.51	

BUDGET FOR SURVILIENCE

S. No.	Particulars	Budget proposed by Proponent (in lacs)		Budget recommended by Committee (in lacs)	
		Capital	Recurring (in lacs)	Capital	Recurring (in lacs)
1	Transport Permit	0.00	0.00	2.00	0.00
2	CCTV Camera	0.00	0.00	1.00	0.10
3	Weight Bridge	0.00	0.00	10.00	1.00

4	Personal Computer with power backup	0.00	0.00	0.50	0.05
5	Mobile Application Barcode scanner	0.00	0.00	0.50	0.05
6	Radio Frequency Identification Tag (RFID) and GPS	0.00	0.00	1.00	0.10
7	Annual Audit of lease	0.00	0.00	0.00	0.70
8	Security Guard	0.00	0.00	0.00	0.80
	Total	0.00	0.00	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	---
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, irrigation channels and rivulets	Yes
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	Tractors of locals should be permitted to work in the project	Yes
14	Project proponent should work for the welfare of the local village	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 June/2020
2	Bridge with midstream piers, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
3	Bridge with only abutments, if any, located within mining area/ within 500 mts. from the	No	No	-	-	

	ends of mining block.					
4	Foot bridge with only abutments on two banks, if any located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
5	Green patch (Cropland / trees /orchard etc. if any located within mining block/adjacent to mining block or within 500 mts. from the mining block.	No	No	-	-	
6	Structures of any kind (buildings /Flood control/ protection works/ electric installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.	No	No	-	-	
7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Identified	Identified	-	424m	Canal Head lies at 424m while as the feeding channel lies at 238m from the nearest boundary pillar of the mining block
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	No	No	-	-	

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

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

- a) The project had earlier been discussed during 19th meeting held on 17.11.2020 during which the committee recommended TORs to the project.
- b) Illegal mining activity detected in the mining block as per features on Google image of June, 2020 for which the Multi Dept. District level Task Force (MLDTF) Cell has issued clarification which indicates that the Project Proponent is not involved in the illegal mining activity and therefore the project was considered under non-violation category.
- c) The Test Reports of baseline data sheets submitted have not been issued on the letter head of the NABEL recognized Laboratory and therefore, either these need to be submitted on the letter head of the testing laboratory duly signed and stamped and attested by DMO and local panchayat head as usual.
- d) The NOC issued by I&FC department says that mining should not be carried out within 750m upstream and downstream of the irrigation structure whereas the committee notices that an irrigation canal flows parallel and adjacent to the mining block. Since the I&FC Department has given a general kind of NOC, keeping in view the head and parallel existence of *Kuhl* in the block, the Committee desired a categorical NOC cum permission from the Irrigation Department to the effect that the proposed mining activity does not pose danger to the irrigation structure and if otherwise the Department may convey the remedial or mitigating measures to ensure that mining is carried out without adversely affecting the existing irrigation structures. The PP would be bound to bear the cost of such mitigation / remedial measures or where the Department desires to execute the works on their own, pay the equivalent sum to the Department to take up the required protection works. This should be done in consultation with the concerned village representatives.

RECOMMENDATION OF THE COMMITTEE:

In view of the above deliberations and insight gained during the above cited appraisal process, the Committee deferred the case in the present form and desired that the Project proponent be asked to obtain Test Reports of baseline data on the letter head of the NABEL recognized Environmental Testing Laboratory besides, obtaining a categorical certificate from the Irrigation Department as per deliberations recorded herein above.

AGENDA ITEM NO: 02

Title of case:	Grant of Environmental Clearance (EC) for River Bed Mining project, area 3.57 Ha located at Minor Mineral Block No-27, Nihari Tawi River, at Solki, District Rajouri, UT: Jammu & Kashmir in favour of Shri. Randhir Singh S/O Shri. Gian Singh.
Project type (whether mining lease/STP/Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B2
Proposal no:	SIA/JK/MIN/218124/2020 // SIA/JK/MIN/194877/2020
File no:	SEAC/JK/20/426
Consultant with validity	M/S Cognizance Research India Pvt. Ltd. Valid till: 03/02/2022
Presenter of consultant:	Mr. Rahul Yadav
Project proponent / representative of Project proponent:	Shri. Randhir 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	3.57	70.01	180.46	2.25	9.02	3.60

Mine Closure plan proposed (in lacs)	Mining depth proposed (mts.)	Haulage Route (Kms)	Bulk density proposed by proponent	Cluster situation (Yes/No)
NIL	1	0.37	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
06/08/2020	15/04/2021	31/08/2021	05/01/2020	NA

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by project proponent as the case may be	Public Hearing held on	Case discussed by JKEAC earlier on	Area reduced by G&M Dept.
NA	NA	NA	NA	25-02-2020	20/07/21

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 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	Fisheries Dept. vide letter dated 16/07/2019 had objected to the mining activity. However, subsequently, vide letter 22/04/2021, the Fisheries Dept. has issued a conditional NOC
2	Flood Control Dept.	Issued conditionally	
3	Fisheries Dept.	Issued conditionally	
4	Forest Dept. (if required)	Issued	
5	Wildlife Protection Dept (If required)	Issued	
6	Pollution Control Board	Issued	
7	Revenue Dept.	Issued	
8	PHE (Jalshakti) Dept.	Not Submitted	
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	0.40	1.40	5.00	4.00
2	Haulage route maintenance	1.85	1.62	3.00	2.00
3.	Env. Awareness programme	0.00	0.00	0.00	0.00
4	Pollution monitoring	0.00	2.00	2.00	2.00
5	Dust suppression	0.00	2.00	2.00	2.00
7.	Occupational Health & Safety of mine workers	0.00	2.00	1.00	1.00
	Total	2.25	9.02	13.00	11.00

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, installation of hand pumps	1.5	
2	Electrification	Solar Lamp distribution & Solar street light installation in the village.	0.00	
3	Sanitation	Construction of ladies' toilets in the village.	0.50	
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	Covid 19 safety	Distribution of sanitizers, gloves, N95 masks etc	0.60	
6	Village development	Donation of pattal & duna making machine in consultation with gram panchayat in village	1.00	
	Total		3.60	

BUDGET FOR SURVILIENCE

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

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

S.no.	Features observed	Within Mining site boundary (Yes/No/Not identifiable)	Outside mining site boundary (Yes/No/Not identifiable)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks
1	Features indicative of any Illegal mining.	No	No	-	-	Google Image of May/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	Not identifiable	-	-	Not identifiable on Google image

	of the mining block.					
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 27th meeting held on 25.02.2020 during which the committee rejected the mining block for the grant of environmental clearance in view of haulage route with huge environmental implications, complaint received from locals and objection of Fisheries Dept. However, the project proponent has resubmitted the case for reconsideration after getting the mining block area resized by the G&M Dept from 4.60ha to 3.57ha.
- b) The Project proponent has submitted NOCs from the local panchayat heads of the nearby villages wherein the authenticity of the complaint previously received has been contested and termed to be false. As such, the issue of local complaints is shown to have been addressed and complainants have *abinitio* denied having made any complaint.
- c) The project proponent has also proposed an alternative haulage route which was agreed to by the Committee. Besides, the fresh NOC issued by the Fisheries Dept. with conditions was also considered by the Committee.
- d) The JKEAC desired that the conditions of NOC of stockholder department including that of Fisheries Dept. need to be adhered to in letter and spirit.
- e) Project cost has been underestimated by the consultant as it does not include cost of EMP, surveillance equipment, Env. Clearance processing fee/ PCCs Consent fee etc. and therefore needs to be revised.

- f) EMP needs to be revised with appropriate budget as suggested in the remark's column of EMP table above.
- g) 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.
- h) The PP has used a figure of 2.25 for Bulk Density for working out the minable reserves. This is not agreed and PP must use nominal bulk density of 2 or the actual bulk density measured at site under due supervision of mining department

RECOMMENDATION OF THE COMMITTEE:

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

- a) Standard and Specific Conditions as per **Annexure B** to these Minutes of Meeting.
- b) Revision of the mining plan with mine closure plan, revised mining depth, Mining block area, 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.
- c) Revision of EMP budget as suggested in the remark's column of EMP table above.
- d) Mining depth of max 1m in aggregate in view of non-availability of replenishment data in the DSRs formulated by the G&M Dept.
- e) Bulk density of 2 in absence of actual measurements.
- f) **Strict adherence to the terms and conditions of the NOCs of the stakeholder departments especially conditions laid by the Fisheries Department, Irrigation and Flood Control Dept. which need to be monitored by the enforcement agencies and concerned dept.**
- g) **No JCBs/ Excavators/ Bulldozers to be used in mining and no water course to be disturbed while transporting minor minerals.**
- h) Maximum targeted mineral production of **42800 MT**.
- i) Condition the revised geographical coordinates as per revised area to be conveyed by G&M Dept. are mentioned in the EC letter by JKEIAA
- 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: 03

Title of case:	Grant of Environmental Clearance (EC) for RBM (River Bed Mineral) Minor Mineral Block Mining Project, Area of 9.14 ha., Block- 32, at Nallah Dharli, Downstream Ujan Bridge in village Ujan, District Rajouri, (Jammu & Kashmir) favoring M/S Mujeeb Dar S/O Sh. Fazal Rahman Dar ward No. 02, Tehsil and District Rajouri, UT (J&K).
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B1
Proposal no:	SIA/JK/MIN/60141/2021
File no:	SEAC/JK/20/412
Consultant with validity	Cognizance Research India Pvt. Ltd., 03/02/2022
Presenter of consultant:	Mr. Rahul Yadav
Project proponent representative of Project proponent:	Mr. Mujeeb Dar

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	9.14	100.90	248.8	3.45	12.44	5.00

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	0.49	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
19.11.2020	15/04/2021	31/08/2021	05/01/2021	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	01 Oct 2020 to 31 Dec 2020	10.07.2021	15/02/2021	NA

APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

STATUS OF DOCUMENTATION

S. No.	Document	Status	Remarks of the Committee
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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, Rajouri vide Ref No. DCR/2021-22/Acctt/116 dated 29/05/2021 has conveyed NOCs of stake holders. The NOC from Irrigation Dept. prohibits excavation at least 150 feet upstream and downstream side of head of Kuhl's and there should be no extraction at least 50 to 100 feet from both bank of the river / Nallah to avoid any erosion during rainy season.
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 Conditionally	
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	0.82	To be revised with appropriate budget
2	Haulage route maintenance	2.45	1.62	
3.	Env. Awareness programme	0.00	0.00	
4	Pollution Monitoring	0.00	2.00	
5	Pollution control/ Dust suppression	0.00	3.00	
6	Solid waste management	0.00	0.00	
7.	Occupational Health & Safety of mine workers	0.00	5.00	
8	Laying of Hume pipes	0.00	0.00	
	Total	3.45	12.44	

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks
1	Health/Drinking water facility	Free Distribution of medicines, health check-up, Sanitizer, gloves and Mask Installation of hand pumps.	3.00	
2	Electrification	Solar Lamp distribution & Solar Street light installation in the village.	0.00	
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.	2.00	

5	Rain water Harvesting structure	Construction of Rain water harvesting structure in the primary School nearby village.	0.00	
Total			5.00	

BUDGET FOR SURVILIENCE

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

GENERAL PUBLIC HEARING CONCERNS

S. No.	Usual concerns expressed by public during proceedings	(Yes/No)
1	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	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	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	Yes
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	Irrigation canals may be saved	yes
18	Agricultural land may be protected	Yes
19	Title of land from Revenue Department should be demarcated before the allotment of Mining Block	Yes
20	People and panchayat members of the concerned area should be consulted	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 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	No	No	-	-	

	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	-	-	Not identifiable
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 project had earlier been discussed during 26th meeting held on to 15/02/2021 during which the Committee desired that the active water channel shall have to be excluded from the mining activity. The mining therefore has to be restricted to dry shoals only. The project proponent has not submitted figures for dry shoal areas and the revised targeted production.
- b) The Title verification has been obtained from the Dy. Commissioner concerned as per ToR condition.
- c) In view of the peculiar meandering nature of the stream flowing inside the mining block, the Committee desired the PP to submit detailed information on methodology

for haulage of material without increasing turbidity levels in flowing water. Laying of adequate number of Hume pipes of appropriate specification need to be proposed so that material is transported without damaging the environmental setting of the area. If need arises, additional haulage route may be proposed with minimum environmental implications under adequate ICT based monitoring mechanism.

- d) The conditions of NOCs issued by the stakeholder departments should be adhered to in letter and spirit.
- e) The compliance to specific ToR condition No.19 is missing in the EIA report which needs compliance.
- f) The Committee desired that the JKEIAA should take up the matter with JKPC for ensuring that the Public Hearing Reports mandatorily provide a concluding para wherein the authorities conducting the Public Hearing should categorically give conclusion of the public hearing process.
- g) EMP budget is inadequate and therefore needs to be revised with adequate funding including provision for laying of Hume pipes.
- h) Compliance in regard to 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 is still awaited.

RECOMMENDATION OF THE COMMITTEE

- a) In view of the above deliberations / observations made by the Committee herein above, the Expert Appraisal Committee recommended the case for rejection in its present form. However, the project proponent may resubmit the case after excluding the active water channel while calculating the targeted mineral production. Besides, a comprehensive chapter needs to be added in EIA report with all micro-details on the haulage of material. Necessary clarity in regard to haulage route be provided by the project proponent who will also procure the NOC from PRI in case the haulage route passes through inhabited areas, if any. Laying of adequate number of Hume pipes of appropriate specification need to be proposed so that material is transported without damaging the environmental setting of the area. If need arises, additional haulage route may be proposed with minimum environmental implications under adequate ICT based monitoring mechanism. Other compliances in accordance with deliberations herein above may also be ensured for further appraisal.

AGENDA ITEM NO: 04

Title of case:	Grant of Environmental Clearance (EC) for RBM (River Bed Mineral) Minor Mineral Block Mining Project, Revised Area of 4.55 ha., Block- 53, at Wanpora Bridge to Kalampora Bridge Downstream Nallah Sasara, Village: Wanpora to Kalampora Tehsil & District- Shopian and UT – Jammu & Kashmir favoring M/S Bashir Ahmed Dar S/O Ghulam Nabi Dar Pahoo R/o Pahoo, Tehsil – Kakapora, District – Pulwama, J&K U.T. Pin code – 192301. shopian53block@gmail.com
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B2
Proposal no:	SIA/JK/MIN/221290/2021// SIA/JK/MIN/59259/2020
File no:	SEAC/JK/20/395
Consultant with validity	Abdul Majid Mir (RQP) 16 May 2027

Presenter of consultant:	Abdul Majid Mir
Project proponent / representative of Project proponent:	Bashir Ahmed Dar

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	4.55	51.61	134.92	6.83	6.83	6.75

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)
0.00	1.00	0.63	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
20.07.2020	15/04/2021	31/08/2021	03/10/2020	-

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	NA	05.05.2021	28/01/2021	22.04.2021

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	
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 with conditions	Dy. Commissioner, Shopian vide Ref No. DCS/SQ/21-22/23-24 dated 06/04/2021 had conveyed NOCs of stake holders.
2	Flood Control Dept.	Issued with conditions	
3	Fisheries Dept.	Issued with conditions	
4	Forest Dept.	Issued as non-forest	
5	Wildlife Protection Dept	Issued	
6	Pollution Control Board	Not issued	
7	Revenue Dept.	Issued	
8	PHE (Jalshakti) Dept.	Issued with conditions	
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	1.2	1.2	Need to be revised with adequate budget
2	Haulage route maintenance	3.1	3.1	
3.	Env. Awareness programme	0.55	0.55	
4	Pollution Monitoring	1.98	1.98	
5	Dust suppression/water sprinkling	0.00	0.00	
6	Solid waste management	0.00	0.00	
7.	Occupational Health & Safety of mine workers	0.00	0.00	
8	Laying of Hume pipes	0.00	0.00	
	Total	6.83	6.83	

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks
1	Health/Drinking water facility	Free Distribution of medicines, health check-up Installation of hand pumps	2.25	
2	Electrification	Solar Lamp distribution & Solar Street light installation in the village.	2.25	
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.	2.25	

5	Rain water harvesting structure	Construction of Rain water harvesting structure in the primary School nearby village.	0.00	
Total			6.75	

BUDGET FOR SURVILIENCE

S. No.	Particulars	Budget proposed by Proponent (in lacs)		Remarks
		Capital	Recurring (in lacs)	
1	Transport Permit	3.00	0.00	
2	CCTV Camera	1.5	0.00	
3	Weight Bridge	12.00	1.5	
4	Personal Computer with power backup	0.60	0.06	
5	Mobile Application Barcode scanner	0.60	0.06	
6	Radio Frequency Identification Tag (RFID) and GPS	1.5	0.20	
7	Annual Audit of lease	0.00	0.00	
8	Security Guard	-	0.80	
	Total	19.02	3.82	

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	*Public Hearing Not applicable for B2 category of projects)
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	
6	Manual mining & Employment to the local unemployed youth	
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	
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	Demarcation of Rambiar Nallah by Revenue Authority	
17	Irrigation canals be saved in various Blocks before clearing it for mining	

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 04/2020
2	Bridge with midstream piers, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
3	Bridge 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	No	No	-	-	

	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	No	-	-	Not identifiable in google image.
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	Un metttled Road	-	-	Minimum distance from the road is 14 mts

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

- a) The project had earlier been discussed during 25th meeting held on to 28/01/2021 during which the Committee observed that while a bridge exists at a distance of 246 mts from the mining block on the downstream end, another bridge exists at a distance of 252 mts from the edge of the mining block on the upstream end and therefore had recommended reduction of the size of the mining block to maintain a safe distance of 500m from the bridges. The Committee had also desired Project Proponent to get the title of land duly verified by the concerned revenue authority. The project proponent has complied with the previous observations of the Committee.

- b) The NOC from Fisheries Dept. prohibits that the bidder should extract the bed material only from the identified dry portions of the block (100 ft away from the water course).
- c) The PP has undertaken to restrict the mining to dry shoals only.
- d) The conditions of NOC of stockholder department need to be adhered to in letter and spirit.
- e) The NOC from Jalshakti division concerned while issuing the NOC has expressed that extraction activities be at least 100 M upstream and 100 M downstream Stream for safeguarding existing Hydraulic structures and Head work of PHE pipes and also recommended that the extraction activities be carried out in the form a central cunnet leaving sufficient margin/Distance from the embankments and these conditions need to be fully adhered to.
- f) EMP Budget needs to be revised with appropriate budget as suggested in the remark's column of EMP table above.
- g) Revision of the mining plan with mine closure plan, revised mining depth, area of mining block, 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.
- h) Bulk density of 2.1 in Mining Plan not agreed. Committee desired that in absence of actual measurements, a nominal bulk density of 2.0 be adopted.
- i) The committee observed that a road was passing by the side of the proposed mining block and the gradient between the road and the likely water level of nallah bed is feared to pose a danger to the existence of road and vehicular movement, if any mining activity is allowed in the block. The committee, as such, was of the opinion that an environmentally sustainable mining would be possible only, if necessary protection measures to stave off such dangers are taken before the mining activity is allowed. In view of that a categorical assessment and permission from the R&B department needs to be obtained.

RECOMMENDATION OF THE COMMITTEE

In view of the above deliberations / observations made by the Committee herein above, the Expert Appraisal Committee recommended the case to be deferred till a categorical permission / no objection certificate is obtained by the project proponent from Roads and buildings(R&B) Department to the effect that mining activity shall not damage the existing road and its banks and if otherwise the department may prescribe the remedial or mitigating measures to ensure that mining is carried out without adversely affecting the existing road / other structures if any and also recommend the cost thereof.

AGENDA ITEM NO: 05

Title of case:	Grant of Environmental Clearance (EC) for RBM (River Bed Mineral) Minor Mineral Block Mining Project, Revised Area of 2.38 ha., Block- 54, at Kalampora Bridge to Link Road Dumpora Downstream Nallah Sasara, Village - Kalampora, Tehsil – Keegam & District – Shopian, U. T: Jammu & Kashmir favoring M/S Mohd. Abass Raina S/o Sh. Mohd. Abdullah Raina, R/o Arihal, District- Pulwama UT- J & K, Pincode – 192301 shopian54block@gmail.com
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease

Category(B1/B2)	B2
Proposal no:	SIA/JK/MIN/223129/2021// SIA/JK/MIN/59217/2020
File no:	SEAC/JK/20/504
Consultant with validity	Abdul Majid Mir (RQP) 16 May 2027
Presenter of consultant:	
Project proponent / representative of Project proponent:	M/S Mohd Abass Raina

CASE SUMMARY

Status	Revised Area (Ha)	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed (in lacs)		CER budget proposed (lacs/annum)
				Capital	Recurring	
New Project	2.38	32.9791	116.2791	5.79	5.79	7.00

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	0.53	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	15/04/2021	31/08/2021	03/10/2020	-

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	NA	NA	24/04/2021	22/04/2021

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	
3	Approved Mine Plan /Mine closure Plan	Formulated not as per guidelines	Mine Plan needs to be revised for mining depth, closure plan, surface plan, targeted mineral production, mining methodology etc.

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

NO OBJECTION CERTIFICATES

S. No.	Department	status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Not issued	Ref NOC issued by Dy. Commissioner shopian under single window clearance system under vide letter No: DCS/SQ//21-22/23-24 Dated 06/04/2021 The Asstt. Director, Fisheries Dept. concerned while issuing the NOC has expressed that the bidder should extract the bed material from the identified dry portions of the block 100 mts away from the water course. The conditions imposed need to be adhered to in letter and spirit by the PP. Conditions laid down by Xen PHE that extraction activities be at least 100 M upstream and 100 M downstream Stream for safeguarding existing Hydraulic structures and Head work of PHE pipes also need to be fully adhered to
2	Flood Control Dept.	Issued conditionally	
3	Fisheries Dept.	Issued conditionally	
4	Forest Dept.	Issued as non-forest land	
5	Wildlife Protection Dept	Issued	
6	Pollution Control Board	Not issued	
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	1.5	1.5	Need to be revised with appropriate budget
2	Haulage route maintenance	3.0	3.0	
3.	Env. Awareness programme	0.52	0.52	
4	Pollution monitoring	1.98	1.98	
5	Dust suppression/water sprinkling	0.00	0.00	
6	Solid waste management	0.00	0.00	
7.	Occupational Health & Safety of mine workers	0.00	0.00	
8	Laying of Hume pipes	0.00	0.00	
	Total	7.00	7.00	

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks
1	Health/Drinking water facility	Free Distribution of medicines, health check-up Installation of hand pumps	1.93	
2	Electrification	Solar Lamp distribution & Solar street light installation in the village.	1.93	
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.	1.93	
5	Rain water harvesting structure	Construction of Rain water harvesting structure in the primary School nearby village.	0.00	
6	Improvement of local Environment	Development / maintenance of Recreation Park/green space	0.00	
Total			5.79	

BUDGET FOR SURVILIENCE

S. No.	Particulars	Budget proposed by Proponent (in lacs)		Remarks
		Capital	Recurring (in lacs)	
1	Transport Permit	0.00	0.00	The PP need to provide adequate budget under various heads
2	CCTV Camera	0.00	0.00	
3	Weight Bridge	0.00	0.00	
4	Personal Computer with power backup	0.00	0.00	
5	Mobile Application Barcode scanner	0.00	0.00	
6	Radio Frequency Identification Tag (RFID) and GPS	0.00	0.00	
7	Annual Audit of lease	0.00	0.00	
8	Security Guard	0.00	0.00	
	Total	0.00	0.00	

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	*Public Hearing Not applicable for B2 category of projects
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	

6	Manual mining & Employment to the local unemployed youth	
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	
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	Demarcation of Rambiar Nallah by Revenue Authority	
17	Irrigation canals be saved in various Blocks before clearing it for mining	

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 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	No	No	-	-	

	any located within mining 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	Not identifiable	-	-	Not identifiable in google image.
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	No	No	-	-	

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

- a) The project had earlier been discussed during 25th meeting held on to 28/01/2021 during which the Committee observed that while a bridge exists at a distance of 246 mts from the mining block on the downstream end, another bridge exists at a distance of 252 mts from the edge of the mining block on the upstream end and to reduce the size of the mining block to maintain a safe distance from the bridges. The Committee also desired that Project Proponent to get the title of land under the block duly verified for its title by the concerned revenue authorities.
The project proponent has taken action to comply with above observation and reduced the size of mining block and also got clarified the title of land from the revenue authorities.
- b) The NOC from Fisheries Dept. prohibits that the bidder should extract the bed material only from the identified dry portions of the block (100 ft away from the water course). The PP has undertaken to restrict the mining to dry shoals only.
- c) The conditions of NOC of stockholder department need to be adhered to in letter and spirit.
- d) The NOCs submitted under Single Window Clearance System indicate that the NOC from Pollution control division is not submitted.
The PP should submit the said NOCs before Granting of EC from the competent authority.
- e) The NOC from Jalshakti division concerned while issuing the NOC has expressed that extraction activities be at least 100 M upstream and 100 M downstream Stream for safeguarding existing Hydraulic structures and Head work of PHE pipes and also recommended that the extraction activities be carried out in the form a central cunnet leaving sufficient margin/Distance from the embankments also need to be fully adhered to.
- f) EMP / CER Budget needs to be revised with appropriate budget as suggested in the remark's column of EMP / CER table above.
- g) 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.
- h) Bulk density of 2.1 in Mining Plan not agreed. Committee desired that in absence of actual measurements, a nominal bulk density of 2.0 be adopted.
- i) The committee observed that a road was passing by the side of the proposed mining block and the gradient between the road and the likely water level of nallah bed is feared to pose a danger to the existence of road and vehicular movement, if any mining activity is allowed in the block. The committee, as such, was of the opinion that an environmentally sustainable mining would be possible only, if necessary protection measures to stave off such dangers are taken before the mining activity is allowed. In view of that a categorical assessment and permission from the R&B department needs to be obtained.

RECOMMENDATION OF THE COMMITTEE

In view of the above deliberations / observations made by the Committee herein above, the Expert Appraisal Committee recommended the case to be deferred till a categorical permission / no objection certificate is obtained by the project proponent from Roads and buildings(R&B) Department to the effect that mining activity shall not damage the existing road and its banks and if otherwise the department may prescribe the remedial or mitigating measures to ensure that mining is carried out without adversely affecting the existing road / other structures if any and also recommend the cost thereof.

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	Atmos Sustainable Solutions Pvt. Ltd.	Cognizance Research India Pvt. Ltd.	Abdul Majid Mir (RQP)
1	Submission of the documents	7	7	7
2	Site Appreciation Note, kml /kmz file, site photo and site videos and PowerPoint presentation	5	5	5
3	Presentation of factual details of case(s)	5	5	5
4	Field knowledge of the case(s)	5	5	6
5	Formulation of PFR, EMP, CER etc.	6	5	5
6	Overall professional conduct during proceedings	7	7	7

The minutes were formulated online by the Expert Appraisal Committee immediately after the deliberations and the same are hereby issued with approval of the esteemed Chairman.



18/09/2021

(Majid Farooq)

I/C S E C R E T A R Y

JKUT level Expert Appraisal Committee

NO:EAC/JK/20/9333-345

Dated:18.09.2021

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 ChanniHimmat, Jammu for favour of kind information.
5. Professor Shakeel Ahmad Romshoo, Member, J&K Expert Appraisal Committee, (JKEAC) Department of Earth Sciences Kashmir University Srinagar-190006 for favour of kind information and necessary action please.
6. Sh. Abdul Rashid Makroo, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) H/No. 9 Lane No 11 Sector C, Gulshan Nagar Nowgam Bypass, Srinagar-190019 for favour of kind information please.

7. Professor Arvind Jasrotia Member, J&K Expert Appraisal COMMITTEE, (JKEAC) 33/D Sainik Colony Jammu-180011 for favour of kind information please.
8. Dr. Ghulam Mohammad Dar, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Main Campus IMPA&RD, M.A Road, Srinagar-190001 for favour of kind information please.
9. Sh. Irfan Yasin, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Bagh-e-Hyderpora, Bypass, Srinagar for favour of kind information please.
10. Professor Anil Kumar Raina, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Department of Environmental Science University of Jammu, Jammu-180006 for favour of kind information please.
11. Professor M. A. Khan, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Khan House, A-27 Milatabad, Peerbagh "B" Srinagar for favour of kind information please.
12. Dr. Falendra Kumar Sudan, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Professor Department of Economics University of Jammu, Jammu for favour of kind information please.
13. 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:-

a) Statutory compliance

- i) 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.**
- ii) 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.
- iii) 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.
- iv) 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.**
- v) 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.**
- vi) 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.
- vii) 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.
- viii) 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.
- ix) 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".
- x) 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.
- xi) 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.
- xii) 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.
- xiii) 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.

- xiv) 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.
- xv) 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.

b) Air quality monitoring and preservation

- (1) The Project Proponent shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (one) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, 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.
- (2) 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.

c) Water quality monitoring and preservation

- (1) In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
- (2) Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records 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.
- (3) Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department.

The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.

- (4) The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease and maintain its records. The Project Proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/ adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.
- (5) 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.
- (6) 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.
- (7) Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
- (8) The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/COMMITTEE.

d) Noise and vibration monitoring and prevention

- (1) The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
- (2) The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day /night hours.
- (3) The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas

shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.

e) Mining plan

- (1) 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.
- (2) The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining & Geology as required under the Provision of the MMDR Act, 1957 and Rules/ Guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.
- (3) The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes selfsustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.

f) Land reclamation

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

- (4) 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.
- (5) 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.
- (6) 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,
- (7) 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.

g) Transportation

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

h) Green Belt

- (1) The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area.

The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.

- (2) The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
- (3) The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the 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.
- (4) The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt.
- (5) 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.

i) Public hearing and human health issues

- (1) The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be 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.
- (2) 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.
- (3) 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 ChromiumFortnightly 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).

- (4) 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.
- (5) 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.
- (6) 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.
- (7) 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.

j) Corporate Environment Responsibility (CER)

- (1) 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.
- (2) 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.

k) Miscellaneous

- (1) 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.
- (2) 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.
- (3) 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.
- (4) 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.
- (5) 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 as per revised mining plan to be approved by competent authority denovo within the prescribed area and depth recommended by the JK Expert Appraisal Committee, as the case may be and whichever is less . 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 maintained 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.