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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 93RD MEETING OF THE JK EXPERT APPRAISAL COMMITTEE HELD ON 18TH OF APRIL, 2022 VIA VIDEO CONFERENCING

In pursuance to Meeting Notice issued vide No: EAC/JK/22/13559-13581 dated: 09/04/2022, and rescheduling notice issued vide No.: EAC/JK/22/13582-13604 Dated:12/04/2022, the 93rd Meeting of JK Level Expert Appraisal Committee (JKEAC) was held on 18th of April, 2022 at 10:30 P.M. via video Conferencing. The following attended the meeting:-

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

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

The meeting proceeded as per following sequence: -

AGENDA ITEM NO: 01

Title of case:	Grant of Environmental Clearance (EC) for Riverbed mining project of minor mineral block (revised area 4.44 Ha), Block No.17, Mendhar River Upstream Chajjla Bridge Part-1, District-Poonch, UT of Jammu & Kashmir in favour of M/S Aggarwal Mines.
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B1
Proposal no:	SIA/JK/MIN/59967/2021
File no:	SEAC/JK/20/453

Consultant with validity	M/S P & M solutions Noida, Valid till:10/12/2022
Presenter of consultant:	Mr.Manas Vyas
Project proponent / representative of Project proponent:	Md. Rashid

CASE SUMMARY

Status	Revised Area (Ha)	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed (in lacs)		CER budget proposed (lacs/annum)
				Capital	Recurring	
New Project	4.44	52.23	209.90	10.00	11.00	3.32

Mine Closure plan proposed (in lacs)	Revised Mining depth proposed (mts.)	Haulage Route (Kms)	Revised Bulk density proposed by proponent	Cluster situation (Yes/No)
Not provided	1.00	0.46	2.00	Yes

PROJECT EVENT DATES

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	ToRs granted on
09/09/2020	29/12/2021	31/03/2022	15/12/2020	30/03/2021

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by	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.

JKEIAA for the project on					
NA	NA	Oct-Dec 2020	03/07/2021	13/03/2021	24/03/2022

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

NO OBJECTION CERTIFICATES

S. No.	Department	status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Issued conditionally	As per the fresh NOC issued by I&FC Dept. Vide No. IFCP/1196 dated: 25/11/2021 there is no irrigation canal head/takeoff
2	Flood Control Dept.	Issued conditionally	
3	Fisheries Dept.	Issued conditionally	

4	Forest Dept. (if required)	Issued as non-forest	point around 200m periphery of the block. As per the NOC of DC, Poonch Vide letter no. DCP/PA/1328-39 dated: 22/05/2021, the land under the block is partly state land & partly private land.
5	Wildlife Protection Dept (If required)	Issued	
6	Pollution Control Board	Issued conditionally	
7	Revenue Dept.	Ambiguous	
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	3.50	3.00	
2	Haulage route maintenance	2.50	2.00	
3	Env. Awareness programme	0.00	0.00	
4	Pollution monitoring	1.00	2.00	
5	Dust suppression	0.00	0.00	
6	Occupational Health & Safety of mine workers	1.00	2.00	
7	Plantation & salary for one gardener (part time basis)	2.00	2.00	
8	Installation of Hume pipes	0.00	0.00	
	Total	10.00	11.00	

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks
1	Health	Health awareness and medical camps for local community in nearby village and panchyat	1.80	

2	Drinking water	Drinking water facility in nearby village and panchayat	1.20	
3	Covid-19	Distribution of Sanitizer, gloves and Mask to the nearby village and panchayat.	0.32	
	Total		3.32	

BUDGET FOR SURVILIENCE

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

GENERAL PUBLIC HEARING CONCERNS

S. No.	Usual concerns expressed by public during proceedings	(Yes/No)
1	Proper demarcation of mining block for identification during public hearing so that people know where mining is proposed	Yes

2	Prevention of illegal mining	---
3	EMP cost to be implemented practically	---
4	CER amount not sufficient to cater the local problems of the people	Yes
5	Irrigation channels & orchids/agriculture land have been badly affected	---
6	Mining block should have been allotted to locals instead of outsiders	Yes
7	Indiscriminate mining has degraded the env. of local river & should be protected from further degradation	Yes
8	Loss of local land on the bank of river should be assessed first before allotment of mining block to outsiders	Yes
9	Locals should be exempted from charges for extraction of riverbed mining material	Yes
10	Will not allow the outside contractor to carry out the mining activities	Yes
11	Some irrigation canals along the river which have either become defunct or damaged completely & irrigation Dept. may be directed to carry out survey in this regard & restore the same before allotment of mining lease	Yes
12	Protection wall of concrete should be raised along the embankment of river	Yes
13	Proposed mining area is a pasture land. Before allotment of mining contracts our pasture land should be separated	Yes
14	Mining block includes the private land of many locals & they were not consulted when the mining blocks were allotted	Yes

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

S.no.	Features observed	Within Mining site boundary (Yes/No/Not identifiable)	Outside mining site boundary (Yes/No/Not identifiable)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks
1	Features indicative of any Illegal mining.	Yes	Yes	-	-	Features indicative of illegal mining activity on Google Image of 02/2021

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	Yes	-	-	Paddy fields in close vicinity
6	Structures of any kind (buildings /Flood control/ protection works/ electric	No	No	-	-	

	installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.					
7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Not identifiable	Not identifiable	-	-	Not identifiable on Google image of 05/2021
8	Active water channels, if any crossing the mining block.	Yes	Yes	-	-	Active water channel detected outside the mining block
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 case had earlier been discussed by JKEAC in the 29th meeting held on 13/03/2021 in which the committee unanimously recommended the project for grant of following ToRs subject to:
- i) Report from Multi Dept. District level Task Force (MDLTF) cell to ascertain and fix responsibility for illegal mining in the block.
 - ii) Title verification of the mining block by the concerned revenue authority and subject to exclusion of the private land if any involved due to change of nallah course.
 - iii) Revision of project cost.
 - iv) Exclusion of the active water channel.
- b) During deliberations in the instant meeting, the Committee observed as under: -
- i) The PP has submitted the report from Multi Dept. District level Task Force (MDLTF) cell which states that the PP is not involved in any kind of illegal mining activity in & around the mining block.
 - ii) The PP has submitted fresh NOC issued by Deputy Commissioner, Poonch vide letter No. DCP/PA/1328-39 dated: 22/05/2021 which states that the block 17 is located partially under state land & partially under private land (Khasra No. 392,393 of village Dharana) for which negotiation with the owners of the land is required.
 - iii) During presentation, the consultant informed that PP has got the mining block resized to 4.44 Ha from the original area of 6.57 Ha while excluding the private land under the mining block & has applied under B1 category due to cluster situation.
 - iv) The Committee asked the consultant whether the PP has obtained fresh title verification for the resized mining block. He presented a slide showing Google image duly signed by DMO but without seal wherein the state land is shown to be demarcated and supported by an ambiguous and illegible handwritten calculation. **Therefore, the committee desired that PP should obtain fresh title verification from the concerned Tehsildar clearly mentioning therein that the land under the revised mining block consists of state land only.**
 - v) The PP has submitted the revised project cost.
 - vi) The Committee while examining the mining block on Google Image platform, observed that major portion of the resized mining block falls under active water channel which has not been excluded from the mining block as per the surface plan presented by the consultant. The same needs to be excluded and the block further resized to approx. **2.40 Ha with a revised surface plan duly attested by Joint Director, G&M dept., Jammu.**

- vii) The Committee further examined the haulage route presented by the Consultant on Google image and desired that the same should also be revised in the PFR/EIA report. **Since, the length of new haulage route would almost be doubled, the consultant was asked to revise the EMP budget under haulage route maintenance, as well.**
- viii) It was further observed that during public hearing, the locals had opposed the project for various reasons including the one that the mining block should have been demarcated on ground prior to conduct of public hearing to enable the local people to properly identify their concerns. The Committee desired that the JKEIAA should take up the matter with JK Pollution Control Committee to properly sensitize the officers conducting public hearing in future so that mining blocks are demarcated on ground at the time of public hearing to enable the locals to properly identify and raise their genuine concerns. Besides, it is recommended that the presiding officer of the Public Hearing Committee should assess the genuine concerns of the locals and make specific recommendations in this regard. **In the instant case, the Committee desired that the Dy. Commissioner, Poonch should examine and address the genuine concerns of local people raised during public hearing, especially the issue of non-replenishment of the nallah, after taking on board all the stakeholders including panchayat representatives of the area.**
- ix) It was also observed that the letter dated 28/06/2021 issued by Dy. Commissioner, Poonch also mentions that replenishment has not taken place in most of the blocks. Therefore, the Committee desired that the PP must obtain **a fit for mining certificate from the G&M Dept. to the effect that enough replenishment has taken place as on date and there is adequate RBM available in the resized mining block that can be mined without endangering the ecological and hydrological regime of the nallah.**
- c) The NOCs issued individually by the concerned Depts. were examined and it was found that the Irrigation & Flood Control Dept. has reported that there is no off-take point **around 200m** periphery of the mining block. However, the Committee opined that the NOC is ambiguous and desired that the PP should obtain fresh clarification mentioning therein that no offtake point falls **within the block or area within 200m from the periphery** of the mining block.
- d) Compliance to specific ToR condition relating to photographs of display screen of Air Quality Monitoring Station displaying the dates of collection of baseline data has not been submitted and same needs to be submitted.
- e) EMP budget has been under estimated & the same needs to be revised with appropriate budget.
- f) Revision of the mining plan with mine closure plan, revised mining depth, revised area, surface plan, bulk density, revised targeted mineral production and replenishment and its *denovo* approval by the competent authority.
- g) Mining depth of 3 m & bulk density of 2.25 mentioned in mining plan was not agreed by the Committee.

RECOMMENDATION OF THE COMMITTEE:

- a) In view of the above deliberations and insight gained during the above cited appraisal process, the Committee did not agree to recommend the case for grant of EC.
- b) However, the PP, if he so desires, may approach the JKEIAA again after complying with the requirements/observations made herein above under deliberations.

AGENDA ITEM NO: 02

Title of case:	Grant of Environmental Clearance (EC) for River bed Mining Project of Minor Mineral in Block No.03, Area 9.93 Ha at Arch to Bardala Downstream Sindh River Tehsil & District Ganderbal. Jammu & Kashmir UT-Jammu & Kashmir in favour M/S Jagdish Singh S/O Vijay Singh R/O Malikpur, Pathankot State: Punjab. jagdish.singhec@gmail.com
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B1
Proposal no:	SIA/JK/MIN/61357/2021
File no:	SEAC/JK/20/567
Consultant with validity	P& M solutions Pvt. Ltd, Noida. Valid till: 10/12/2022
Presenter of consultant:	Mr. Manas Vyas
Project proponent representative of Project proponent:	M/S Mohd Rashid Khan

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	9.93	259.10	393.1	4.40	17.65	7.06

Mine Closure plan proposed (in lacs)	Revised Mining depth proposed by PP in PFR/EIA	Haulage Route (mts)	Revised Bulk density proposed by proponent in PFR/EIA	Cluster situation (Yes/No)
1.50	1.00	680.31	2.00	Yes

PROJECT EVENT DATES

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	ToRs granted on
05/08/2020	29/12/2021	31/03/2022	22/02/2021	27/12/2021

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by project proponent as the case may be	Public Hearing held on	Case discussed by JKEAC earlier on	Area reduced by G&M Dept.
NA	NA	March – May 2021	17/03/2022	27/12/2021	-

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	Pre-Feasibility Report / Environmental Management Plan/ Corporate Environmental Responsibility (PFR/EMP/CER)	Formulated but needs revision	Needs revision as per deliberations/ observations /recommendations

NO OBJECTION CERTIFICATES

S. No.	Department	status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Issued conditionally	Certificate from Revenue dept. does not indicate the title of the land under the said block
2	Flood Control Dept.	Issued conditionally	
3	Fisheries Dept.	Issued conditionally	
4	Forest Dept. (if required)	Issued as non-forest land	
5	Wildlife Protection Dept (If required)	Issued	
6	Pollution Control Board	Not submitted	
7	Revenue Dept.	Ambiguous	
8	PHE (Jalshakti) Dept.	Issued	
10	Soil and Water Conservation dept.	---	

ENVIRONMENTAL MANAGEMENT PLAN

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

1	Green belt development	1.00	1.20	
2	Haulage route maintenance	3.40	1.62	
3	Env. Awareness programme	0.00	0.00	
4	Pollution monitoring	0.00	4.00	
5	Solid waste management	0.00	0.00	
5	Pollution control& Dust suppression	0.00	4.00	
6	Occupational Health & Safety of mine workers	0.00	6.83	
7	Laying of Hume pipes	0.00	0.00	
	Total	4.40	17.65	

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks/
1	Health	Health awareness and medical camps for local community in nearby village and panchayat/ Distribution of Sanitizer, gloves and Mask to the nearby village and panchayat	3.06	
2	Sanitation	Construction of ladies' toilets in the village/ Renovation of toilets in nearby village	2.00	
3	Drinking water facility	Drinking water facility in nearby village and panchayat	2.00	
3	Education	Distribution of school bags & books in nearby Primary School Education Grants to girl child to check drop outs in schools/ Renovation of toilets of nearby school	0.00	
	Total		7.06	

BUDGET FOR SURVILIENCE

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

GENERAL PUBLIC HEARING CONCERNS AND COMMITMENTS

S. No.	Usual concerns expressed by public during proceedings	Yes/No
1	Employment of local youth	Yes
2	Prevention of illegal Mining	Yes
3	Prevention and protect of further degradation of the land in the periphery of this Nallah by constructing Bunds/create Walls etc.	Yes
4	Mining should be done scientifically	Yes
5	Restoration of the damage done to the proprietary land of the locals	Yes
6	issues of public be resolved at local level so that the poor people of this area should not marginalized	Yes

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

S.no.	Features observed	Within Mining site boundary (Yes/No/Not identifiable)	Outside mining site boundary (Yes/No/Not identifiable)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks
1	Features indicative of any Illegal mining.	Yes	Yes	-	-	Google Image of 09/2021
2	Bridge with midstream piers, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	-
3	Bridge /causeway with only abutments, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	-
4	Foot bridge with only abutments on two banks, if any located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	

5	Green patch (Cropland / trees /orchard etc. if any located within mining block/adjacent to mining block or within 500 mts. from the mining block.	No	No	-	-	-
6	Structures of any kind (buildings /Flood control/ protection works/ electric installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.	No	Yes	-	100	Features suggestive of Flood protection structures running along the length of the block
7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Not Identifiable	Yes	-	-	Features suggestive of an irrigation offtake point
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	No	No	-	-	

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

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

- a) The case had been discussed by the Expert Appraisal Committee earlier in the 79th Meeting held on 27/12/2021 for grant of ToR during which the Committee had recommended Terms of Reference to the project subject to: -
- i) Submission of *Illegal Mining report* from MDDLTF Cell
 - ii) Submission of *Fit for Mining certificate* from G&M Dept.
 - iii) Field verification report on presence or absence of irrigation kuhl/canal within 200m of the mining block boundary from concerned hydraulic engineer with consent of local PRI with seal and signature *preferably* on the back side of Colour Google image of the area depicting the mining block boundary and Kuhl offtake point.
 - iv) Active water channel needs to be excluded from the mining block while calculating the targeting mineral production.
 - v) Revision of the mining plan with mine closure plan, revised mining depth, revised surface plan, targeted mineral production and replenishment and its denovo approval by the competent authority.
 - vi) Specific NOCs be obtained from all the stakeholder departments.
- b) Now, the PP has applied for grant of EC and has submitted the Final EIA and Public hearing reports with following compliance to the conditions under which ToRs were granted:-
- i. In compliance to **point No i)**, the PP has submitted a report on illegal mining from the MDDLTF cell vide letter dated 18/03/2022 which mentions that the PP is not involved in any illegal mining activity.
 - ii. In compliance to **point no ii)**, the PP has submitted a '*fit for mining certificate*' from the Mineral officer G&M dept. vide letter dated

01/02/2022 mentioning therein, that there is enough potential for extraction of minor minerals and the block is feasible for mining.

- iii. With respect to **point No. iii**, the PP has submitted NOC from Xen. Executive Engineer I&FC department Ganderbal vide letter no 82-84 dated 24/03/2022 which states that there is no offtake point of any canal/ Kuhl originating from the river Sindh between Bardala Downstream of River Sindh.
 - iv. The Committee on examination of the mining block on Google image of Sept., 2021, observed engineering structures running parallel to the mining block with a feature suggestive of an off-take point approx. 150m from the pillar D of the mining block. Besides, flood protection spurs were also observed on the other bank at an average distance of approx.100m from the mining block. On the contrary, the NOC issued by the concerned Xen states that no canal or kuhl is originating from the river Sindh between Bardala downstream of River Sindh.
 - v. **In view of the above, it was desired that the concerned Xen Irrigation & Flood Control Dept. should revisit the site, verify the facts on ground and issue a categorical NOC based on actual site conditions. In case the IFC Dept. does not own the assets as referred above, the PP should identify the owner agency of the structures and obtain NOC from the entity that owns the assets.**
 - vi. **With respect to point no. iv), the compliance has not been made and the Prefeasibility Report and Mining Plan shows that the targeted mineral production has been computed for the entire block area of 9.93Ha without excluding the active water channel.**
 - vii. **With respect to point no. v), the compliance has not been made with respect to revision of the mining plan. The Committee expressed its dismay at the non-compliance of instructions issued by JKEAC from time to time since Dec.2019 to restrict the mining depth to max. 1m only in mining Plans.**
 - viii. **With respect to point no. vi), the PP has submitted specific NOCs from concerned departments, but the certificate obtained from Revenue Dept. does not mention the title of the minor mineral block. Therefore, the PP needs to submit clear cut title verification of the land under the block.**
- c) The Committee also examined the haulage route presented by the consultant and found it crossing over the water channel running parallel to the block and **therefore, desired that the PP should come up with an alternative haulage route for the resized mining block that would not disturb the irrigation system.**
 - d) Committee desired that the PP should submit revised mining plan with revised mining depth, bulk density, revised area, surface plan, targeted mineral production and replenishment and its denovo approval by the competent authority.
 - e) EMP budget needs to be revised with appropriate budget.
 - f) The ToR condition relating to submission of photographs of display screen of the air quality monitoring station showing data with dates of collection of the baseline data has not been submitted in the EIA report and the same needs to be submitted.
 - g) Active water channel needs to be excluded from the mining block and mining should be restricted to only dry shoals of the mining block.
 - h) Mining depth of 2.00 m and bulk density 2.3 adopted in the instant mining plan were not agreed by the committee.

RECOMMENDATION OF THE COMMITTEE:

- a) In view of the above deliberations and insight gained during the above cited appraisal process, the Committee did not agree to recommend the case for grant of EC.
- b) However, the PP, if he so desires, may approach the JKEIAA again after complying with the requirements/observations made herein above under deliberations.

AGENDA ITEM NO: 03

Title of case:	Grant of Environmental Clearance (EC) for River Bed Material in Block No-18, Area 7.26 Ha ANS River downstream Sungri Bridge, Village-Dhamni Plan, Tehsil-Mahore, District-Reasi, UT of Jammu & Kashmir in favour of Shri Karanvir Singh S/O Shri. Surinder Singh (Site visit).
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B1
Proposal No:	SIA/JK/MIN/55859/2020
File no:	SEAC/JK/20/268
Consultant with validity	M/S P& M solutions Pvt. Ltd, Noida. Valid till: 10/12/2022
Presenter of consultant:	Mr. Manas Vyas
Project proponent / representative of Project proponent:	Mohd. Rashid

CASE SUMMARY

Status	Area (Ha)	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed (in lacs)		CER budget proposed (lacs/annum)
				Capital	Recurring	
New Project	7.26	102.52	250.82	11.50	14.50	4.20

Mine Closure plan proposed (in lacs)	Revised Mining depth proposed (mts.)	Haulage Route (Kms)	Revised Bulk density proposed by proponent	Cluster situation (Yes/No)
Not provided	1	0.13	2.0	Yes

PROJECT EVENT DATES

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	ToRs granted on
03/06/2020	28/12/2021	31/03/2022	10/08/2020	05/11/2020

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by 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	31-03-2021	03-10-2020 21-10-2021 & 23/02/2022	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 bulk density, mining depth, closure plan, surface plan, targeted mineral production, mining methodology etc.
4	District Survey Report	Formulated not as per guidelines	Needs revision for including replenishment data etc.
5	Environmental Impact Assessment / Environmental Management Plan/ Corporate Environmental Responsibility (EIA/EMP/CER)	Formulated but needs revision	Needs revision as per deliberations/ observations /recommendations

NO OBJECTION CERTIFICATES

S. No.	Department	status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Issued conditionally	The title of the mining block not readable in urdu language. Revised version need to be obtained from the Tehsildar concerned in English language.
2	Flood Control Dept.	Issued conditionally	
3	Fisheries Dept.	Issued conditionally	
4	Forest Dept. (if required)	Issued as non-forest	
5	Wildlife Protection Dept (If required)	Not submitted	
6	Pollution Control Board	Not submitted	
7	Revenue Dept.	Not readable	
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	4.00	3.00	
2	Haulage route maintenance	3.00	2.00	

3	Env. Awareness programme	0.50	0.50	
4	Pollution monitoring	1.00	2.00	
5	Dust suppression	2.00	2.00	
6	Occupational Health & Safety of mine workers	1.00	5.00	
7	Installation of Hume pipes/Engineering works for stabilization of terrain along the haulage route	0.00	0.00	
	Total	11.50	14.50	

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks
1	Health	Free Distribution of medicines, health check-up	1.00	
2	Drinking water	Installation of hand pumps nearby school	2.65	
3	Covid-19	Distribution of sanitizers, N95 masks	0.55	
	Total		4.20	

BUDGET FOR SURVILIENCE

S. No.	Particulars	Budget proposed by Proponent (in lacs)		Remarks
		Capital	Recurring (in lacs)	
1	Transport Permit	2.00	0.00	

2	CCTV Camera	1.00	0.10
3	Weight Bridge	10.00	1.00
4	Personal Computer with power backup	0.50	0.05
5	Mobile Application Barcode scanner	0.50	0.05
6	Radio Frequency Identification Tag (RFID) and GPS	1.00	0.10
7	Annual Audit of lease	0.00	0.70
8	Security Guard	0.00	0.80
	Total	15.00	2.80

GENERAL PUBLIC HEARING CONCERNS

S. No.	Usual concerns expressed by public during proceedings	(Yes/No)
1	Proper demarcation of mining block/mining depth to be maintained	Yes
2	Prevention of illegal mining	---
3	EMP cost to be implemented practically	---
4	CER/CSR Activities for social upliftment	Yes
5	RBM material to locals on concessional rates	---
6	Manual mining & Employment to the local unemployed youth	Yes
7	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	---
9	Loss of land, unemployment and environmental concerns	---
10	Material should be provided at concessional rates	Yes
11	Mining should not be allowed near bridge	---
12	Favoured grant of early EC	Yes
14	Locals should be allowed to lift minor minerals free of cost	Yes

15	Mining should be carried out as per norms & guidelines stipulated by the govt.	Yes
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EXAMINATION OF MINING SITE ON MULTIDATE GOOGLE EARTH IMAGE PLATFORM USING KML /KMZ FILE EMAILED/UPLOADED BY THE PROJECT PROPONENT/CONSULTANT

S.no.	Features observed	Within Mining site boundary (Yes/No/Not identifiable)	Outside mining site boundary (Yes/No/Not identifiable)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks
1	Features indicative of any Illegal mining.	No	No	-	-	Google Image of 06/2021
2	Bridge with midstream piers, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
3	Bridge with only abutments, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
4	Foot bridge with only abutments on two banks, if any located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	

5	Green patch (Cropland / trees /orchard etc. if any located within mining block/adjacent to mining block or within 500 mts. from the mining block.	No	No	-	-	
6	Structures of any kind (buildings /Flood control/ protection works/ electric installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.	No	No	-	-	
7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Not identifiable	Not identifiable	-	-	Google Image of 06/2021
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	No	No	-	-	

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

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

- a) The project had earlier been discussed by JKEAC in the 13th meeting held on 03.10.2020 during which the committee recommended TORs to the project subject to detailed impact study of loaded tippers and other traffic on the terrain **and report of Sub-Committee of JKEAC to be constituted for site visit**, once the PP applies for EC, to have an overall assessment of the impacts of all the mining projects in the area and to recommend acceptance of EIA/EMP prescriptions or out rightly reject the cases or recommend appropriate mitigative measures to preserve the fragile ecology of the area.
- b) The case was again discussed by JKEAC for grant of EC in the 66th meeting held on 21-10-2021 during which the Committee had not approved the case & asked the PP to submit compliance to following observations:
 - i. Submission of detailed chapter on impact of transportation of mineral on the local environment owing to fragile geology, narrowness of roads and steep gradient.
 - ii. Obtaining of information on present status of the irrigation network executed under DPAP programme in Mahore- Dharmari area under various schemes of the Govt. by G&M Dept.
 - iii. Obtaining of opinion from G&M Dept. whether the area is fit for mining activity and that excavation in the deep Nalas will not trigger landslides.
 - iv. Exclusion of active water channel while calculating targeted mineral production.
 - v. Obtaining of title verification from the concerned revenue authority.
 - vi. Compliance to specific ToR condition relating to photographs of display screen of the air quality monitoring station displaying the dates of collection of baseline data.
 - vii. Revision of project cost.

- viii. 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.
- c) Status of the compliance w.r.t. to above observations, as deliberated in the 93rd JKEAC meeting is as herein under:
- i. With respect to item i, the PP has conveyed that no use of heavy Loaders and tippers for transportation of the mined out RBM shall be made, instead only tractor trolley with maximum capacity of 5 tons will be used. In addition, a detailed impact study of traffic on the terrain of the area has been done separately which forms a part of EIA report.
 - ii. With respect to item ii, the PP has submitted a color Google image duly signed by AEE & sarpanch concerned stating that as per field verification there is no irrigation canal/Khul off-take falling within the periphery of 200 m of the mining block.
 - iii. With respect to item iii, the Joint Director, G&M Dept., Jammu has submitted its report dated 01-07-2021, according to which the mining activity will not induce the landslide activity within the guided principles of mining and there is a huge potential of unutilized minor mineral reserves in the river stretch.
 - iv. With respect to item iv, the active water channel portion has been excluded partially while calculating revised targeted mineral production.
 - v. With respect to item v, the PP has submitted certificate which is not legible.
 - vi. With respect to item vi, the compliance to specific ToR condition relating to photographs of display screen of air quality monitoring station displaying the dates of collection of baseline data has not been submitted.
 - vii. With respect to item vii the project cost has been revised.
 - viii. With respect to item viii, revision of the mining plan with respect to mining depth of max.1 m and bulk density of max.2, revised surface plan etc. has not been submitted.
- d) In view of the apprehensions expressed earlier mining operations in areas like Mahore Tehsil, known for its fragile geology, the JKEAC in its 86th meeting held on 23/02/2022 had constituted a 3 member Sub-Committee comprised of Mr. **M A. Tak**, **Er. B.B Sharma** and **Prof. Anil K Raina** with a mandate to visit the actual locations of mining blocks 18, 19 & 20 to ascertain the suitability or otherwise of these sites/ mining block for mining operations.
- e) Sub-Committee conducted the site visit of the area on 14/03/2022 and filed its report by email on 6th of April, 2022. This report, attached herein as **Appendix-I**, was discussed in the instant i.e. 93rd meeting of JKEAC and the observations of the Committee w.r.t Block 18 vis-à-vis the reports of Sub-Committee and Joint Director, G&M Dept., Jammu are herein as under:-
- i. Mining Block 18 is located downstream of Dugga-Sungri Bridge
 - ii. Geology around the block is quite stable and mining operations in the Block were not likely to trigger any fresh slips and slides.
 - iii. **Mining block was observed crisscrossed by multiple active water channels. Mining the dry shoals would require crossing of multiple active creeks which may disturb natural flow pattern..**

- iv. **Substantial mineral reserves were available in the block but the only access route that is feasible and can be used for haulage of excavated material passes through a forest area.**
- v. **Project Proponent and the Consultant gave the Sub-Committee to understand that Forest Department (Local Officers at site) were not acceding/ agreeable to their request to let the forest area be used for haulage of the excavated area on the grounds that forest area cannot be used for non forestry use unless and until the area is diverted for such use by the Competent Authority.**
- vi. **Visiting Team noted that diversion of forest area is time consuming process and that it would not be prudent to guess the outcome of such process if initiated and keep pending the case for grant of EC on this account.**
- vii. **Project Proponent could not suggest any alternative route for haulage of the excavated material.**

RECOMMENDATION OF THE COMMITTEE:

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

AGENDA ITEM NO: 04

Title of case:	Grant of Environmental Clearance (EC) for Minor Mineral Block 19. Area 5.43 Ha Located in Ans River at Village- Sungri Tehsil Mahore, District-Reasi, UT of Jammu & Kashmir in favour of Shri Kishori Lal S/O Shri Kuldeep Singh (Site visit)
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B1
Proposal no:	SIA/JK/MIN/54787/2020
File no:	SEAC/JK/20/196
Consultant with validity	M/S P& M solutions Pvt. Ltd, Noida. Valid till: 10/12/2022
Presenter of consultant:	Mr. Manas Vyas
Project proponent representative of Project proponent:	Mohd. Rashid

CASE SUMMARY

Status	Area (Ha)	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed (in lacs)		CER budget proposed (lacs/annum)
				Capital	Recurring	
New Project	5.43	36.00	157.30	11.50	14.50	2.34

Mine Closure plan proposed (in lacs)	Revised Mining depth proposed (mts.)	Haulage Route (Kms)	Revised Bulk density proposed by proponent	Cluster situation (Yes/No)
0.015	1	0.36	2.0	Yes

PROJECT EVENT DATES

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	ToRs granted on
27/03/2020	28/12/2021	26/03/2022	04/06/2020	17/08/2020

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	31-03-2021	06-08-2020 21-10-2021 & 23/02/2022	NA

APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

STATUS OF DOCUMENTATION

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

NO OBJECTION CERTIFICATES

S. No.	Department	status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Issued conditionally	The title of the mining block not readable in urdu language. Revised version need to be obtained from the Tehsildar concerned in English language.
2	Flood Control Dept.	Issued conditionally	
3	Fisheries Dept.	Issued conditionally	
4	Forest Dept. (if required)	Issued as non-forest	
5	Wildlife Protection Dept (If required)	Not submitted	
6	Pollution Control Board	Not submitted	
7	Revenue Dept.	Not readable	
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	4.00	3.00	
2	Haulage route maintenance	3.00	2.00	
3	Env. Awareness programme	0.50	0.50	
4	Pollution monitoring	1.00	2.00	
5	Dust suppression	2.00	2.00	
6	Occupational Health & Safety of mine workers	1.00	5.00	
7	Installation of Hume pipes/Engineering works for stabilization of terrain along the haulage route	0.00	0.00	
	Total	11.50	14.50	

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks
1	Health	Free Distribution of medicines, health check-up	1.50	
2	Covid-19	Distribution of sanitizers, N95 masks	0.84	
	Total		2.34	

BUDGET FOR SURVILIENCE

S.	Particulars	Budget proposed by Proponent	Remarks

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

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	---
3	EMP cost to be implemented practically	---
4	CER/CSR Activities for social upliftment	Yes
5	RBM material to locals on concessional rates	---
6	Manual mining & Employment to the local unemployed youth	Yes
7	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	---
9	Loss of land, unemployment and environmental concerns	---
10	Material should be provided at concessional rates	Yes

11	Mining should not be allowed near bridge	---
12	Favoured grant of early EC	Yes
14	Locals should be allowed to lift minor minerals free of cost	Yes
15	Mining should be carried out as per norms & guidelines stipulated by the govt.	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	-	-	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	No	No	-	-	

	within mining area/ within 500 mts. from the ends of mining block.					
5	Green patch (Cropland / trees /orchard etc. if any located within mining block/adjacent to mining block or within 500 mts. from the mining block.	No	No	-	-	
6	Structures of any kind (buildings /Flood control/ protection works/ electric installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.	No	No	-	-	
7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Not identifiable	Not identifiable	-	-	Google Image of 06/2021
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	Yes	-	-	Apparently Fragile geology of the area

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

- a) The project had earlier been discussed by JKEAC in the 10th meeting held on 06.08.2020 during which the committee recommended TORs to the project subject to detailed impact study of load bearing and carrying capacity of the area to sustain mining activity and conduct of site visit by a Sub-Committee of JKEAC to be constituted to have an overall assessment of the impacts of all the mining projects in the area, after the PP applies for EC, in view of fragile ecology of the area which being highly landslide prone.
- b) The case had again been discussed by JKEAC for the grant of EC in the 66th meeting held on 21-10-2021 during which the committee did not approve the case & asked the PP to submit compliance to following observations:
 - i. Submission of detailed study on load bearing, carrying capacity and impact of transportation of mineral on the local environment owing to fragile geology, narrowness of roads and steep gradient.
 - ii. Conduct of detailed ecological study by G&M Dept. through an expert research institution of repute to determine the cumulative impact of mining activity on the fragile geology of the area.

- iii. Obtaining of information on present status of the irrigation network executed under DPAP programme in Mahore- Dharmari area under various schemes of the Govt. by G&M Dept. Further, obtaining of opinion from G&M Dept. whether the area is fit for mining activity and that excavation in the deep Nalas will not trigger landslides.
 - iv. Exclusion of active water channel while calculating targeted mineral production.
 - v. Obtaining of title verification from the concerned revenue authority.
 - vi. Compliance to specific ToR condition relating to photographs of display screen of the air quality monitoring station displaying the dates of collection of baseline data.
 - vii. Revision of project cost.
 - viii. 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.
- c) Status of the compliance w.r.t. to above observations, as deliberated in the 93rd JKEAC meeting is as herein under:
- a. With respect to item i, the PP has conveyed that no use of heavy Loaders and Tippers for transportation of the mined out RBM shall be made, instead only tractor trolley with maximum capacity of 5 tons will be used. In addition, a detailed impact study of traffic on the terrain of the area has been done separately which forms a part of EIA report.
 - b. With respect to item ii, the Sub-Committee has conducted field visit on 14-03-2022.
 - c. With respect to item iii, a detailed ecological study through an expert research institution of repute to determine the cumulative impact of mining activity on the fragile geology of the area has not been submitted and the consultant informed that the technical report issued by Joint Director, G&M Dept. addresses the observation.
 - d. With respect to item iv, the PP has submitted a color Google image duly signed by AEE & sarpanch concerned stating that as per field verification there is no irrigation canal/Khul off take point falling within the periphery of 200 m of the mining block. Further, the Joint Director, G&M Dept. has submitted its report dated 01-07-2021, according to which the mining activity will not induce the landslide activity within the guided principles of mining. Besides, there is a huge potential of unutilized minor mineral reserves in the river stretch.
 - e. With respect to item v, the active water channel portion has been excluded partially while calculating revised targeted mineral production.
 - f. With respect to item vi, the PP has submitted certificate in urdu language which is not readable.
 - g. With respect to item vii, the compliance to specific ToR condition relating to photographs of display screen of air quality monitoring station displaying the dates of collection of baseline data has not been submitted.
 - h. With respect to item viii, the project cost has been revised.
 - i. With respect to item ix, revision of the mining plan with respect to mining depth of max.1 m and bulk density of max.2, revised surface plan etc. has not been submitted.
- d) In view of the apprehensions expressed earlier mining operations in areas like Mahore Tehsil, known for its fragile geology, the JKEAC in its 86th meeting held on 23/02/2022 had constituted a 3 member Sub-Committee comprised of Mr. **M A. Tak**, **Er. B.B**

Sharma and Prof. Anil K Raina with a mandate to visit the actual locations of mining blocks 18, 19 & 20 to ascertain the suitability or otherwise of these sites/ mining block for mining operations.

- e) Sub-Committee conducted the site visit of the area on 14/03/2022 and filed its report by email on 6th of April, 2022. This report, attached herein as **Appendix-I**, was discussed in the instant i.e. 93rd meeting of JKEAC and the observations of the Committee w.r.t Block 19 vis-à-vis the reports of Sub-Committee and Joint Director, G&M Dept., Jammu are herein as under:-
- i. **Mining block 19 located in Ans River bed was observed being crisscrossed by multiple active water channels bringing much of the block under water. Mining in available dry shoals, would require crossing of multiple active creeks and would not be feasible without diverting and disturbing the existing natural flow pattern or diverting active water channels.**
 - ii. **Substantial part of the dry shoal located along left bank of river Ans was covered with a large mound of overburden which had slid down the left bank from a hill across Sungri-Dugga Road and this has substantially reduced the quantity of RBM that can be removed. Project Proponent cannot be permitted to mine this mound or the area under the mound as excavation of the stabilized slide mass could trigger or reactivate the slide process.**
 - iii. **Project Proponent/ Consultant propose to use the same route i.e. route carved out on top of stabilized slide mass which is being used for plying of tractors by people carrying out illegal mining.**
 - iv. **The haulage route, as described above, has a steep gradient and cannot be safely used for plying of commercial vehicles laden with RBM.**
 - v. **No other feasible haulage route, as an alternative to the above cited haulage route, was proposed or suggested by the Project Proponent or the Consultant at site.**

RECOMMENDATION OF THE COMMITTEE:

In view of the above deliberations and insight gained during the above cited appraisal process, the Committee chose to not recommend the case for the grant of environmental Clearance.

However, the PP, if he so desires, may again approach JKEIAA for reconsideration of the case after submitting compliance to the points raised herein above.

AGENDA ITEM NO: 05

Title of case:	Grant of Environmental Clearance (EC) for Minor Mineral Block 20. Area 5.76 Ha, Located in Ans River at Sungri Tehsil Mahore, District-Reasi, UT of Jammu & Kashmir in favour of Shri. Kapil Agarwal S/O Jugesh Agarwal (Site Visit)
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease

Category(B1/B2)	B1
Proposal no:	SIA/JK/MIN/54788/2020
File no:	SEAC/JK/20/197
Consultant with validity	M/S P& M solutions Pvt. Ltd, Noida. Valid till: 10/12/2022
Presenter of consultant:	Mr. Manas Vyas
Project proponent / representative of Project proponent:	Mohd. Rashid

CASE SUMMARY

Status	Area (Ha)	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed (in lacs)		CER budget proposed (lacs/annum)
				Capital	Recurring	
New Project	5.76	88.72	197.52	11.5	14.5	3.14

Mine Closure plan proposed (in lacs)	Revised Mining depth proposed (mts.)	Haulage Route (Kms)	Revised Bulk density proposed by proponent	Cluster situation (Yes/No)
0.015	1	0.29	2.0	Yes

PROJECT EVENT DATES

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	ToRs granted on
27/03/2020	28/12/2021	26/03/2022	04/06/2020	17/08/2020

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	31-03-2021	06-08-2020 21-10-2021 & 23/02/2022	NA

APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

STATUS OF DOCUMENTATION

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

NO OBJECTION CERTIFICATES

S. No.	Department	status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Issued conditionally	The title of the mining block not readable in urdu language. Revised version need to be obtained from the Tehsildar concerned in English language
2	Flood Control Dept.	Issued conditionally	
3	Fisheries Dept.	Issued conditionally	
4	Forest Dept. (if required)	Issued as non-forest	
5	Wildlife Protection Dept (If required)	Not submitted	
6	Pollution Control Board	Not submitted	
7	Revenue Dept.	Not readable	
8	PHE (Jalshakti) Dept.	Issued conditionally	
10	Soil and Water Conservation dept.	---	

ENVIRONMENTAL MANAGEMENT PLAN

S. No	Proposed actions	Budget proposed by Proponent (in lacs)		Remarks/ Budget recommended by Committee (in lacs)	
		Capital	Recurring	Capital	Recurring
1	Green belt development	4.00	3.00	4.00	3.00
2	Haulage route maintenance	3.00	2.00	4.00	3.00
3	Env. Awareness programme	0.50	0.50	0.50	0.50
4	Pollution monitoring	1.00	2.00	2.00	2.00
5	Dust suppression	2.00	2.00	2.00	2.00
6	Occupational Health & Safety of mine workers	1.00	5.00	2.00	2.00
7	Installation of Hume pipes/Engineering works for stabilization of terrain along the haulage route	0.00	0.00	10.00	6.00
	Total	11.50	14.50	24.50	18.50

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks
1	Health	Free Distribution of medicines, health check-up	1.08	
2	Drinking water	Installation of hand pumps nearby school	1.78	
3	Covid-19	Distribution of sanitizers, N95 masks	0.28	
	Total		3.14	

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	
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GENERAL PUBLIC HEARING CONCERNS

S. No.	Usual concerns expressed by public during proceedings	(Yes/No)
1	Proper demarcation of mining block/mining depth to be maintained	Yes
2	Prevention of illegal mining	Yes
3	EMP cost to be implemented practically	---
4	CER/CSR Activities for social upliftment	Yes
5	RBM material to locals on concessional rates	---
6	Manual mining & Employment to the local unemployed youth	Yes
7	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	---
9	Loss of land, unemployment and environmental concerns	---
10	Material should be provided at concessional rates	Yes
11	Mining should not be allowed near bridge	Yes
12	Favoured grant of early EC	Yes
14	Locals should be allowed to lift minor minerals free of cost	Yes
15	Mining should be carried out as per norms & guidelines stipulated by the govt.	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	-	-	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	Yes	-	-	Bridge at a distance of 505 m on Google image of 06/2021
4	Foot bridge with only abutments on two banks, if any located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	-
5	Green patch (Cropland / trees /orchard etc. if any located within mining block/adjacent to mining block or within 500 mts. from the mining block.	No	No	-	-	-

6	Structures of any kind (buildings /Flood control/ protection works/ electric installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.	No	No	-	-	-
7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Not identifiable	Not identifiable	-	-	Google Image of 06/2021
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	Yes	-	-	Apparently Fragile geology of the area
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DELIBERATIONS/SPECIFIC OBSERVATION(S) OF COMMITTEE, IF ANY:

- a) The project had earlier been discussed by JKEAC in the 10th meeting held on 06.08.2020 during which the committee recommended TORs to the project subject to detailed impact study of load bearing and carrying capacity of the area to sustain mining activity and conduct of site visit by a Sub-Committee of JKEAC to be constituted to have an overall assessment of the impacts of all the mining projects in the area, after the PP applies for EC, in view of fragile ecology of the area which being highly landslide prone.
- b) The case had again been discussed by JKEAC for the grant of EC in the 66th meeting held on 21-10-2021 during which the committee did not approve the case & asked the PP to submit compliance to following observations:
 - i. The Committee opined that on account of the fragile geology prevalent in the area and the comparatively narrowness of the roads marked with steep gradient, the detailed assessment of impact resulting from increased traverse of heavy loaded vehicles is pre-requisite for objective appraisal of the proposal. On submission of the Impact Assessment study described herein above, the PP may approach JKEIAA for taking up the site visit by JKEAC Sub-Committee to be constituted subsequently.
 - ii. The Committee had desired the Geology & Mining Department to get a detailed ecological study done through an expert research institution of repute to determine the cumulative impact of mining activity on the fragile geology of the area as there is apprehension that such mining activities may trigger landslides in the area. Action on this count may be sought from the G&M Dept.
 - iii. The G&M Dept. may obtain the present status of the irrigation network executed in Mahore-Dharmari area under various schemes of the Govt. The Committee is given to understand that most of the irrigation network created under DPAP programme is presently defunct or only partly functional due to spate of slips & slides at the take-off points.
 - iv. Keeping in view the past experience of mining activity in hilly areas, the G&M Dept. may be asked to convey its considered opinion whether the area is fit for mining activity and that excavation in the deep Nalas will not set off landslides.
 - v. A considerable area of the mining block falls under active water channel which needs to be excluded while calculating targeted mineral production. However, as per the EIA document/PFR, the consultant has

calculated the targeted mineral on the entire area that includes even the active water channel.

- vi. The NOCs have been obtained individually from the concerned Depts. The title of the land under the block has not been got verified from the concerned revenue authority for which action needs to be taken.
 - vii. The compliance to specific ToR condition relating to photographs of display screen of the air quality monitoring station displaying the date of collection of data missing in EIA report which needs to be complied in letter and spirit prior to grant of EC.
 - viii. Project cost has been underestimated by the consultant as it does not include cost of Consent fee of JKPC and therefore, needs to be revised.
 - ix. 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.
- c) In view of the apprehensions expressed earlier mining operations in areas like Mahore Tehsil, known for its fragile geology, the JKEAC in its 86th meeting held on 23/02/2022 had constituted a 3 member Sub-Committee comprised of Mr. **M A. Tak, Er. B.B Sharma and Prof. Anil K Raina** with a mandate to visit the actual locations of mining blocks 18, 19 & 20 to ascertain the suitability or otherwise of these sites/ mining block for mining operations.
- d) Sub-Committee conducted the site visit of the area on 14/03/2022 and filed its report by email on 6th of April, 2022. This report, attached herein as **Appendix-I**, was discussed in the instant i.e. 93rd meeting of JKEAC and the observations of the Committee w.r.t Block 20 vis-à-vis the report of Sub-Committee are herein as under:-
- i. Perennially active creek of river Ans divides the mining block in 2 distinct parts/ dry shoals comprising an area of 1.47 Ha which can be used for mining operations.
 - ii. Only 1 access route, taking off from a point near upper left corner of Block 20 is available for removal of the excavated material.
 - iii. Adequate budget needs to be earmarked in the project estimates for construction of hume pipe crossing/s to enable removal of excavated material from shoal located on right bank of river Ans without disturbing the natural flow of water.
 - iv. Allowable quantity of minor mineral that can be allowed to be excavated restricting the mining depth to 1mt needs to be recomputed and prescribed.
 - v. The access route connecting the mining block to Sungri-Dugga Road is very steep and in its present condition, cannot be used for evacuation of material in a safe manner unless the haulage route is improved /developed by providing ample budget by the Project Proponent in the project estimates.
 - vi. **Only tractor trolleys with less than 5 ton capacity must be used for transportation of the mineral.**
 - vii. Since requirement that mining be restricted to dry shoals shall lead to financial implications, project proponent and consultant ought to re-examine the economic viability of the project before embarking on mining operations.
 - viii. Project Proponent addresses all the genuine concerns of the local public as raised during the Public Hearing and Site visit of the Sub-Committee.

- e) Further, status of the compliance w.r.t. to observations made in the 66th Meeting, as deliberated in the instant 93rd JKEAC meeting are herein as under:
- i. With respect to item i, the PP has decided against the use of heavy Loaders and Tippers for transportation of the mined out RBM, instead only tractor trolley with maximum capacity of 5 tons will be used. This will help to negate any impact which may be caused due to use of heavy tippers and loaders for transportation. In addition, a detailed impact study of traffic on the terrain of the area has been done separately which forms a part of EIA report.
 - ii. With respect to item ii, the report submitted by Joint Director, G&M Dept. indicating that there is no threat of landslides in the area within guided principles of mining has been corroborated by the observations of the Sub-Committee in the matter.
 - iii. With respect to item iii, the PP has submitted a color Google image duly signed by AEE & sarpanch concerned stating that as per field verification there is no irrigation canal/Kuhl off-take point falling within the periphery of 200 m of the mining block.
 - iv. With respect to item iv, the letter of the Joint Director, G&M Dept. dated 01-07-2021 states that the mining operations will not induce any landslide activity within the guided principles of mining and there is a huge potential of unutilized minor mineral reserves in the river stretch.
 - v. With respect to item v, the active water channel portion has been excluded partially while calculating revised targeted mineral production. The Committee desired that the entire active water creek area need to be excluded and mining activity restricted to 1.47 Ha as per above deliberations and the PFR/EIA/Mining plan updated, prior to grant of EC.
 - vi. With respect to item vi, the PP has submitted certificate which is not legible. A clear cut title verification of the resized mining block as state land needs to be issued by Tehsildar concerned and submitted to JKEIAA, **prior to grant of EC.**
 - vii. With respect to item vii, the compliance to specific ToR condition relating to photographs of display screen of air quality monitoring station displaying the dates of collection of baseline data has not been submitted & the same needs to be submitted, **prior to grant of EC.**
 - viii. With respect to item viii, the project cost has been revised. However, the CER cost need to be included in the project cost and documents updated, **prior to grant of EC.**
 - ix. With respect to item ix, revised mining plan has not been submitted & the same needs to be submitted, **prior to grant of EC.**
 - x. With respect to item ix, revision of the mining plan with respect to mining depth of max.1 m and bulk density of max.2, revised surface plan etc. is awaited & the same needs to be submitted, **prior to grant of EC.**

RECOMMENDATION OF THE COMMITTEE:

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

- a) Standard and Specific Conditions as per **Annexure B** to these Minutes of Meeting.

- b) **Restricting of mining activity to 1.47 Ha as per deliberations and submission of revised surface plan restricting mining to dry shoals only duly attested by the G&M Dept., prior to grant of EC.**
- c) Comprehensive haulage route as per deliberations herein above, **prior to grant of EC.**
- d) **Strict use of only tractor trolleys with capacity less than 5tons for transportation of mined out minerals. Use of any other type of vehicles for transportation shall render the EC invalid.**
- e) Submission of justification for economic viability of the project as per deliberations, **prior to grant of EC.**
- f) Clear cut Title of the mining block by Tehsildar concerned, **prior to grant of EC.**
- g) Revision of Mining plan as deliberated herein above, **prior to grant of EC.**
- h) Submission of compliance to Specific ToR condition relating to photographs of display screen displaying the dates of collection of baseline data, **prior to grant of EC.**
- i) EMP cost needs to be revised as suggested in the remarks column herein above, **prior to grant of EC.**
- j) **Strict adherence to the terms and conditions of the NOCs of the stakeholder departments which need to be monitored by the enforcement agencies and concerned dept.**
- k) **No JCBs/ Excavators/ Bulldozers to be used in mining and no water course to be disturbed while transporting minor minerals.**
- l) Maximum targeted mineral production of **17600 MT.**
- m) Condition the geographical coordinates as per revised area to be conveyed by G&M Dept. are mentioned in the EC letter by JKEIAA.
- n) **Submission of compliance to all other observations made herein above under deliberations, prior to grant of EC.**
- o) Validity of only three years from the date of commencement of the mining operations duly certified by the District Mineral Officer concerned with intimation to the JKEIAA and JKPCB in view of non-availability of replenishment data.

OBSERVATIONS ABOUT CONDUCT OF CONSULTANTS

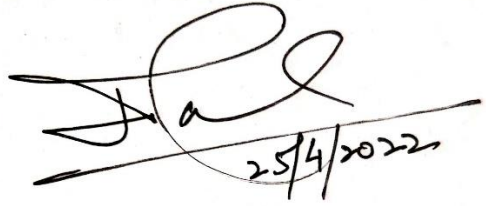
(Excellent/Good /Average/Poor)

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

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

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

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



25/4/2022

(Humayun Rashid)
S E C R E T A R Y
JKUT level Expert Appraisal Committee

NO:EAC/JK/22/13605-13617

Dated:25.04.2022

Copy by email to:

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

ANNEXURE-B

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

STANDARD CONDITIONS :-

Statutory compliance

- 1) This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court of J&K, Hon'ble NGT and any other Court of competent jurisdiction, as may be applicable.
- 2) The Project Proponent complies with all the statutory requirements and judgement of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.
- 3) The UT Government of J&K shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgement of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
- 4) This Environmental Clearance shall become operational only after receiving formal NBWL Clearance from MoEF&CC subsequent to the recommendations of the Standing Committee of National Board for Wildlife, if applicable to the Project.
- 5) This Environmental Clearance shall become operational only after receiving formal Forest Clearance (FC) under the provision of Forest Conservation Act, 1980, if applicable to the Project.
- 6) Project Proponent (PP) shall obtain Consent to Operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish / Consent to Operate from the concerned State Pollution Control Board/COMMITTEE.
- 7) The PP shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. PP shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.
- 8) The Project Proponent shall obtain consents from all the concerned land owners, before start of mining operations, as per the provisions of MMDR Act, 1957 and rules made there under in respect of lands which are not owned by it.
- 9) The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IAJI (M), dated 29th October, 2014, titled "Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
- 10) A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
- 11) State Pollution Control Board/COMMITTEE shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.

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

Air quality monitoring and preservation

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

Water quality monitoring and preservation

- 17) In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
- 18) Regular monitoring of springs in and around the mine lease shall be carried out and recorded maintained. Natural water bodies and or streams which are flowing in and around the project area should not be disturbed. The PP in consultation with concerned department shall regularly monitor the groundwater table in open dug well located in the nearby villages to ascertain the impact of mining over ground water table. PP shall submit Report on changes in Ground water level and quality shall be submitted on six-monthly basis to Regional Office of the Ministry, MoEF&CC, CGWA and State Groundwater Department / State Pollution Control Board.
- 19) The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease and maintain its records. The Project Proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/ adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations

without justification and prior approval of MoEFCC. The monitoring of water courses/bodies existing in lease area shall be carried out four times in a year viz. pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.

Noise and vibration monitoring and prevention

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

Mining plan

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

monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.

Transportation

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

Green Belt

- 28) The river bed mining projects involve extraction of sand, gravel and Bajri from dry river/ Nallah Bed and plantation in the 7.5 m buffer of the mine lease will mean plantation in between the river/nallah bed which will obstruct the natural flow of the river/nallah and might also lead to change in natural habitat of aquatic fauna. In lieu of the plantation on river bed the proponents will carry out plantation in the adjacent villages after due consultations with the PR/locals and the concerned DFO. Besides, the PP shall adhere to the conditions for green belt development as per ESR/CER/EMP strictly.
- 29) The Project Proponent shall carry out plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.

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

Public hearing and human health issues

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

infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.

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

Corporate Environment Responsibility (CER)

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

Miscellaneous

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

SPECIFIC CONDITIONS: -

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

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

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

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

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

Appendix-I

Sub-Accord of Environmental Clearance for river bed mining operations in Block 18, 19 and 20 of River Ans.

Reference: No: EAC/JK/22/12874-12889 Dated:03/03/2022; Minutes of 86th JKEAC Meeting held on 23rd of February, 2022 issued vide No: EAC/JK/22/12837-12849 Dated: 02/03/2022.

Site inspection by JKEAC Sub Committee comprised of , M ATak, B B Sharma and Prof. Anil K Raina- Members of JKEAC on 14-03-2022

Observations of JKEAC Sub-Committee:

- JKEAC Sub-Committee right at the outset of the field visit had an opportunity to observe the mining operations in the mining blocks located in vicinity of Kanthan Bridge at Arnas and for which Environmental Clearance had earlier been granted by JKEIAA. These blocks are located at the confluence of Ans River with River Chenab and the left bank of River Chenab.
- Huge deposits of river bed material, backed with sustained natural replenishment, sufficient to meet the RBM demand of more than 1 district were seen to have got accumulated at the confluence of river Ans with Chanab as well as the shoals on left bank of the river Chenab.
- Geology & Mining Department ought to explore the possibility of locating additional mining blocks at the confluence of river Ans with river Chenab and to adopt an enhanced/accelerated rate of extraction of RBM as mining blocks located in geologically similar locations will see assured annual replenishment and this in turn would arrest to some extent the siltation of Salal Dam Reservoir.
- Notwithstanding the various stipulations in EC, high capacity excavators and dumpers were seen deployed at the mining sites. JKEIAA/ JKEAC may consider formally allowing use of Heavy Excavators and dumpers for mining operations in such/ similarly located sites.
- The road from Arnas to Dharmari, stretching over 30 kms, was observed to be in shambles. A number of slide zones as have developed in this reach have led to creation of extreme dusty conditions. The damages to the road surface not only put severe brakes on vehicular speed, resultant dusty and bumpy conditions also pose grave hazard to health of people using the road.
 - o Dharmari to Mahore road, stretching over a distance of 20 kms is under widening since many a year, the widening process has led to development of many active slides in this reach. The construction work and the loose debris falling on to road surface cause frequent interruptions to traffic. This stretch, extremely dusty and bumpy is opened to traffic only intermittently for short time periods to regulate the road constructions. The land mass moment and air pollution is of huge intensity at present. Any further addition to the traffic frequency, which in any case shall be inevitable due to transportation of RBM materials extracted from the minor mineral mines being commissioned in the areas, shall be beyond the threshold limits and thus prove disastrous to public health. .

- While at Mahore, the visiting team interacted with locals to know their viewpoint as well as the impact of mining operations on general environment and living conditions in the area.
- Mahore is a Tehsil headquarter and the small, narrow patches of sloppy area abutting the road passing through the bazaar is the only area available where all the offices and commercial establishments are located, in fact are concentrated, on the two sides of the road. The road is only 20-25 feet in width and the bazaar even now witnesses frequent and prolonged traffic hold ups. General public while appearing supportive of start of legal mining operations in the area, apprehend that movement of heavy RBM laden vehicles would not only damage the road, it would also worsen the traffic conditions causing discomfort/ harassment to locals visiting the bazaar and the offices.
- Locals at Mahore also pointed out that while Government and mine lease holder would gain from mining operations in their area, people in return would get only discomfort and harassment and that Authorities ought to take conscious, deliberate and positive measures to create economic avenues for locals as well making them a stakeholder in the overall development process.
- Locals, at Mahore, further suggested that to minimize the impact of movement of heavy RBM laden dumpers through narrow road at Mahore, Mine Lease Holder ought to make maximum use of tractors for transporting and meeting the RBM requirement in areas at and around Mahore and that heavy vehicles/ dumpers be made use of only when the mine lease holders need to supply the material outside Mahore Tehsil.
- Before proceeding to area of interest i.e. Ans River at & around Village Sungri, SubCommittee spoke to Mr. S P Bhagat, Executive Engineer, Hydraulic Division, Dharmari to know the present status of the Khuls/ Canals as had been constructed in past under DRDA/ DPAP in general and the present conditions prevailing at and around Village Sungri.in specific with special reference to slope/ bank.
- Mr. S P Bhagat informed the Committee that large scale slips/ slides which were once triggered as routine occurrence due to cutting of slopes and the associated construction process and hindered the functioning of khuls constructed under DRDA/DPAP in the beginning had stabilized with passage of time. Mr. Bhagat further informed that slopes/ banks of Ans river at and around Village Sungri, where mining blocks 18,19 and 20 are located were quite stable and no new slides had been reported in the area in the recent past.
- Physical inspection of mine blocks 18, 19 and 20 by the Sub-Committee revealed that all the three blocks, criss-crossed by active channels at multiple points,are near contiguous and located at and around the confluence of Bhadhar Nallah with Ans River. Block 18 lies in close vicinity of Bagga-Sungri bridge.
- Committee observed that due diligence had not been shown while demarcating/ specifying the boundaries of the mining blocks 18, 19 and 20 and while active channels had been made part of the blocks, dry shoals, the very source of RBM which alone can be mined in conformance with sand mining guidelines, had been left out of the mine block boundaries..The boundaries of block 19 and 20 need to be redrawn/ re-fixed and mining plans approved de-novo by the Competent Authority. • Access to block 18 is readily available through a beaten track but as informed by DMO, the beaten track falls in a forest compartment and Forest Authorities were reportedly not amenable to grant of permission for passage of RBM laden vehicles through their area.

- Apprehensive that the permission from Forest Authorities would not be forthcoming, the Consultant has proposed to use an access route that would be common to block 18, block 19 and block 20.
- Taking off from Sungri- Bagga Road from a point located just upstream block 20, left bank Ans Nallah, the access route proposed for extraction of mined material would necessarily require to criss-cross the active channel/s of Ans River at multiple points and adoption of mitigation measures aimed at not obstructing/ disturbing / diverting the natural flow / flow pattern established with passage of time would be pre-requisite. .
- Block 19 is placed near a mound constituted of black textured muck/ overburden as has slipped down the hill located on left side of SungriBagga Road. This loose material, has now nearly stabilized and beaten path seen riding this stabilized mound is apparently being used by tractors for transporting the illegally mined RBM.
- Sub Committee is of the opinion that that the stabilized mound toe must not be disturbed/ mined for whatsoever reason lest it trigger fresh slides.
- The Block 20 contains a little portion of dry shoal wherein RBM can be extracted without active channel crossing however, due economic diligence shall dictate/ decide its working and execution.
- Sub-Committee also observes that Ans river is a rich resource of good quality silt free RBM i.e. aggregates and coarse sand backed with natural and speedy replenishment. Geology and Mining Department may consider locating additional mining blocks on Ans River Bed to optimally utilize the resource without causing any environmental degradation. The RBM so extracted can be utilized for local consumption up to Mahore and around Sungri- Bhudal without using any heavy vehicular transport, until the road beyond becomes stable and preference be given to tractor –trollies and lower tonnage vehicular transport only.

Recommendation: Committee member are of the opinion that block 18 cannot be considered in the present form, unless an environmentally safe haulage route can be traced out, which eliminates multiple crossings of the river creek. The block 19 cannot be considered for EC in the present form, as its boundaries need to be redrawn / re-fixed and mining plan is approved de-novo by the Competent Authority. The same is true about block 20, however, a small dry shoal available within the boundaries of the block in the present form can be extracted, provided the same stands out on the economic viability means of the project.

Sd/=

(B B SHARMA)
Member JKEAC

Sd/=

(ANIL K RAINA)
Member JKEAC

Sd/=

(M A TAK)
Member JKEA