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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

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MINUTES OF MEETING

MINUTES OF 81st MEETING OF THE JK EXPERT APPRAISAL COMMITTEE HELD ON 3rd OF JANUARY, 2022 VIA VIDEO CONFERENCING

In pursuance to Meeting Notice issued vide No: EAC/JK/21/12008-12029 dated: 22/12/2021, the 81st Meeting of JK Level Expert Appraisal Committee (JKEAC) was held on 3rd of January, 2022 at 10:30 A.M. via video Conferencing. The following attended the meeting:

No.	Name	Designation
1	Mr. S.C. Sharma, IFS(Rtd.)	Chairman
2	Mr. M.A. Tak, IFS(Rtd.)	Member
3	Engineer B.B. Sharma	Member
4	Mr. Irfan Yasin	Member
5	Prof. Anil Kumar Raina	Member
6	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 RBM (River Bed Mineral) Minor Mineral Block Mining Project, Area of 1.29 Ha Block - 02 at Banderpora, Downstream Shaliganga Nallah, Village Banderpora, Tehsil- Khansahib and Dist. - Budgam, UT: Jammu & Kashmir favouring M/S NKC Projects Pvt. Ltd. R/o- Budgam, UT – J&K. banderporabridge@gmail.com
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B2
Proposal no:	SIA/JK/MIN/239987/2021
File no:	SEAC/JK/20/570
Consultant with validity	Abdul Majeed Mir (RQP) Valid till: 16/05/2027
Presenter of consultant:	Mr. Abdul Majeed Mir
Project proponent / representative of Project proponent:	NHAI through M/S NKC Projects Pvt. Ltd.

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	1.29	NA	106.00	5.30	10.00	2.12

Mine Closure plan proposed (in lacs)	Mining depth proposed in PFR/Mining Plan (mts.)	Haulage Route (Kms)	Bulk density proposed by proponent	Cluster situation (Yes/No)
0.50	3.00	0.61	2.3	No

PROJECT EVENT DATES

Order Ref. under which mining block has been reserved under Rule-91 of SRO105	Allotment date	Validity of the lease	Date of Mining Plan approval	ToRs granted on
3516-22 dated 14/08/2021 issued by DGM	14/08/2021	13/08/2024	10/11/2021	NA

APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

STATUS OF DOCUMENTATION

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

NO OBJECTION CERTIFICATES

S. No.	Department	status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Issued conditionally	NOC from wildlife department mentions that these Nallah's are feeding channels to Hokersar wetland reserve. The flow and quality of the water should not be affected. Title verification says about mutation of land in favour of Industrial estate adjacent to site
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 conditionally	
6	Pollution Control Board	Issued	
7	Revenue Dept.	Issued	
8	PHE (Jalshakti) Dept.	Issued conditionally	
10	Industrial Estate(SICOP/SIDCO)	To be submitted in view of communication relating to title verification from the Tehsildar	

ENVIRONMENTAL MANAGEMENT PLAN

S. No	Proposed actions	Budget proposed by Proponent (in lacs)		Remarks
		Capital	Recurring	
1	Green belt development	2.00	5.00	
2	Haulage route maintenance	2.60	2.00	
3	Env. Awareness programme	0.00	1.00	
4	Pollution monitoring	0.00	1.00	
5	Pollution control/ water sprinkling/Dust suppression	0.00	0.60	
6	Occupational Health & Safety of mine workers	0.07	0.40	
7	Lying of Hume Pipes	0.00	0.00	
	Total	5.30	10.00	

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks

1	Health	Free Distribution of medicines, health check-up Installation of hand pumps/ Distribution of sanitizer's, gloves & N95 masks to nearby village	1.00	
2	Drinking water facility	Drinking water facility in nearby village/ Installation of hand pumps panchayat/ Installation of hand pumps	0.00	
2	Electrification	Solar Lamp distribution & Solar street light installation	0.12	
3	Sanitation	Construction of ladies' toilets in the village.	0.00	
4	Education	Distribution of school bags & books in nearby Primary School Education Grants to girl child to check drop outs in schools.	1.00	
	Total		2.12	

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	
1	NOC from concerned panchayats should be obtained by the mining contractor before starting mining operation	
2	RBM material to locals on concessional rates	
3	Manual mining & Employment to the local unemployed youth	
4	Construction of Mandir and Masjid, such material should be provided free of cost.	

5	Approach road to be constructed to the proposed mining block should be identified in consultation with the panchayats.	Not Applicable
6	Regular Water sprinkling /Dust pollution should be controlled during mining operation on approach roads	
7	Mining will be carried out in scientific Manner	
8	Proper plantation of the nearby area	
9	Construction of sanitation facilities in the mining block	
10	People and panchayat members of the concerned area would be consulted before identified the mining block	
11	CER/CSR Activities for social upliftment	
12	No in-stream mining in Ans river should be allowed	
13	Haulage route maintenance	
14	Prevention of illegal mining	
15	EMP cost to be implemented practically	
16	Proper demarcation of mining block/mining depth to be maintained	
17	Display of contact details of concerned authorities for enabling locals to report illegal mining or violation of EC conditions	
18	Pollution, land degradation, loss of water body and rivulets/ soil erosion	
19	Loss of land, unemployment and environmental concerns	
20	Impact on social life and Horticultural/pasturelands	
21	Money generated should be utilized at panchayat level	
22	Ban on mining activities at the night	
23	Installation of solar lights	
25	Drinking water and Irrigation canals may be saved	
26	Embankments of the Mining Block should be protected	
28	Title of land from Revenue Department should be demarcated before the auction of Mining Block	

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

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

	if any, located within mining area/ within 500 mts. from the ends of mining block.					
4	Foot bridge with only abutments on two banks, if any located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	
5	Green patch (Cropland / trees /orchard etc. if any located within mining block/adjacent to mining block or within 500 mts. from the mining block.	No	No	-	-	-
6	Structures of any kind (buildings /Flood control/ protection works/ electric installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.	No	No	-	-	-
7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Yes	No	-	-	Feature indicative of Irrigation offtake point
8	Active water channels, if any crossing the mining block.	Yes	Yes	-	-	-
9	National Park/Wildlife Sanctuary/ESZ, if any located in	No	No	-	-	

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

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

- a) The Dept. of Geology & Mining vide Order issued under No. 3516-22 dated 14/08/2021 has sanctioned a Quarry mining block under Rule 91 of the Minor Mineral Concession Rules in favour of National Highway Authority of India through M/S NKC Projects Pvt. Ltd., Badgam –the Principal Executing Agency of Ring Road Project around Srinagar City.
- b) M/S NKC Projects Pvt. Ltd, Badgam has now applied for grant of EC for extraction of minor minerals from the mining block under B2 category.
- c) The Committee examined the mining block on the latest Google Image of Oct., 2021 and observed that the mineral materials has been depleted to a large extent due to heavy illegal mining and hardly any material is available for exploitation without endangering the environmental setting of the nalla.
- d) Therefore, the Committee desired the PP to obtain '*fit for mining certificate*' from the G&M Dept. **also mentioning therein that adequate replenishment has taken place in the block and there is sufficient material available to extract mineral without endangering the ecological and hydrological regime of the nallah.**
- e) Heavy Illegal mining activity was observed in and around the mining block as per features on latest Google image of 10, 2021 **which needs clarification from the Multi Dept. District level Task Force (MDLTF) Cell for fixing responsibility besides reporting whether the PP is involved in it.**
- f) The Committee further observed features on Google Image, indicative of an off-take point of irrigation kuhl originating from the mining block itself near pillar-B which substantiates the assertion made by the concerned Engineer in the NOC. **Therefore, the Committee desired the PP to get the mining block resized by the competent Authority to maintain safe distance of 200m upstream and downstream of the offtake points in accordance with national guidelines on the subject.**
- g) Further, the NOC from the Wildlife Protection Department mentions that these Nallah's are feeding channels to **Hokersar wetland Reserve** and mining activity in the block should not affect the flow and quality of the water. It further stipulates that excessive extraction/water diversion must be avoided as it can hamper the smooth flow of water and adversely affect quality of water flowing to the Reserve.

- h) The Title verification issued by the Tehsildar Khansahib vide letter dated 21/07/2021 indicates that the land measuring 64 kanals out of the survey Number, adjacent to the spot has already been mutated in favour of Industrial Estate. **Therefore, the Committee desired that the PP should submit NOC from the concerned agency.**
- i) Active water channel needs to be excluded from the mining block while calculating the targeting mineral production.
- j) EMP Budget needs to be revised with appropriate budget.
- k) Revision of the mining plan with mine closure plan, revised mining depth, revised area, surface plan, targeted mineral production and replenishment and its denovo approval by the competent authority.
- l) Mining depth of 3.00 m & bulk density of 2.3 adopted in the instant mining plan and Pre-Feasibility Report (PRF) were not agreed by the committee. Mining depth be restricted to max. 1m in aggregate and bulk density of 2.0 only be adopted for calculating the production targets in absence of actual field measurements. **Accordingly, the PP shall resubmit the revised PFR.**

RECOMMENDATION OF THE COMMITTEE

- a) In view of the above deliberations / observations made by the Committee herein above, the Expert Appraisal Committee did not agree to recommend the case for grant of EC in the present form.
- b) However, the PP, if he so desires may again approach the JKEIAA after resizing the block, reassessing the resource available vis-à-vis the requirement and ensuring compliances / taking other actions keeping in view the observations/deliberations as herein above.

AGENDA ITEM NO: 02

Title of case:	Grant of Environmental Clearance for minor mineral Block-1, area 3.17 Ha, located at Minor Mineral Block, Dreigam Bridge, Downstream Shaliganga Nallah, Village - Dreigam, Tehsil-Khansahib and Dist. - Budgam, UT: Jammu & Kashmir in favour of M/S NKC Projects Pvt. Ltd.
Project type (whether mining lease/STP/Quarry license/brick earth)	Mining Lease
Category (B1/B2)	B2
Proposal no:	SIA/JK/MIN/239974/2021
File no:	SEAC/JK/20/571
Consultant with validity	M/S Abdul Majeed Mir (RQP) Valid till: 16/05/2027
Presenter of consultant:	Mr. Abdul Majeed Mir
Project proponent / representative of Project proponent:	NHAI through M/S NKC Projects Pvt. Ltd.

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	3.17	Nil	114.19	5.70	10.00	2.28

Mine Closure plan proposed (in lacs)	Mining depth proposed (mts.)	Haulage Route (Kms)	Bulk density proposed by proponent	Cluster situation (Yes/No)
0.50	3.0	0.75	2.3	No

PROJECT EVENT DATES

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	ToRs granted on
14/08/2021	18/09/2021	30/11/2021	10/11/2021	NA

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by project proponent as the case may be	Public Hearing held on	Case discussed by JKEAC earlier on	Area reduced by G&M Dept.
NA	NA	NA	NA	NA	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	
4	District Survey Report	Formulated not as per guidelines	Needs revision for including replenishment data etc.
5	Environmental Management Plan/ Corporate Environmental Responsibility (EMP/CER)	Formulated but needs revision	

NO OBJECTION CERTIFICATES

S. No.	Department	Status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Issued conditionally	As per Title verification issued by Tehsildar Chadoora, the mining block falls under state land and in private proprietary land
2	Flood Control Dept.	Issued conditionally	
3	Fisheries Dept.	Issued conditionally	
4	Forest Dept. (if required)	Issued as non-forest	
5	Wildlife Protection Dept (If required)	Issued	
6	Pollution Control Board	Issued	
7	Revenue Dept.	Issued	
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	3.00	5.00	
2	Haulage route maintenance	2.70	2.00	
3	Env. Awareness programme	0.00	1.00	
4	Pollution monitoring	0.00	1.00	
5	Dust suppression	0.00	0.60	
6	Occupational Health & Safety of mine workers	0.00	0.40	
7	Installation of Hume pipes	0.00	0.00	
	Total	5.70	10.00	

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks
1	Health	Free Distribution of medicines, health check-up	1.00	
2	Electrification	Distribution of free solar panels & installation of solar lights in the nearby village	1.00	
3	Covid -19	Distribution of Sanitizers, face masks etc in the nearby village.	0.00	
4	Sanitation	Construction of toilet (Ladies & Gents) in the nearby village	0.00	
5	Education	Distribution of books, stationery items etc in the nearby school	0.28	
	Total		2.28	

BUDGET FOR SURVILIENCE

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

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

S.no.	Features observed	Within Mining site boundary (Yes/No/Not identifiable)	Outside mining site boundary (Yes/No/Not identifiable)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks
1	Features indicative of any Illegal mining.	Yes	Yes	-	-	Features suggestive of Illegal mining activity on Google Image of 10/2021
2	Bridge with midstream piers, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	-
3	Bridge with only abutments, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	-
4	Foot bridge with only abutments on two banks, if any located	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.	Yes	Yes			Features indicative of Irrigation Canals/ Khuls on Google Image of 10/2021
8	Active water channels, if any crossing the mining block.	Yes	Yes	-	-	Active water channel needs to be excluded
9	National Park/Wildlife Sanctuary/ESZ, if any located in close vicinity of the mining block and distance thereof from the mining block.	No	No	-	-	
10	Forest land, if any located in close vicinity of the mining	No	No	-	-	

	block. If yes, the distance thereof from the ends of mining block.					
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 Dept. of Geology & Mining vide Order issued under No. 3530-36 dated 14/08/2021 has sanctioned a Quarry mining block under Rule 91 of the Minor Mineral Concession Rules in favour of National Highway Authority of India through M/S NKC Projects Pvt. Ltd., Badgam –the Principal Executing Agency of Ring Road Project around Srinagar City.
- b) M/S NKC Projects Pvt. Ltd, Badgam has now applied for grant of EC for extraction of minor minerals from the mining block under B2 category.
- c) **The Title verification issued by the Tehsildar Chadoors vide letter dated 05/08/2021 indicates that the land under the allotted block falls under Private proprietary category and state land for which the prior consent of rightful owners is not on record.**
- d) The Committee examined the mining block on the latest Google Image and observed materials having been already depleted to a large extent due to heavy illegal mining and hardly any material is available for exploitation without endangering the environmental setting of the nalla.
- e) **The Committee further observed features on Google Image, indicative of off-take points of irrigation kuhls originating from the mining block itself near pillar-A and F.**
- f) Heavy Illegal mining activity was observed in and around the mining block as per features on latest Google image of October, 2021 which needs appropriate action by the competent authority.
- g) NOC from Wildlife Protection Department mentions that these Nallah’s are feeding channels to **Hokersar wetland Reserve**. The mining activity may be detrimental to natural flow and quality of the water flowing into Hokersar Wetland Reserve which is an internationally declared **RAMSAR site and home to migratory avifauna.**
- h) Mining depth of 3.00 m & bulk density of 2.3 adopted in the instant mining plan and Pre-Feasibility Report (PRF) were not agreed by the committee.

RECOMMENDATION OF THE COMMITTEE

In view of the above deliberations / observations made by the Committee herein above, the Expert Appraisal Committee rejected the case for grant of EC.

AGENDA ITEM NO: 03

Title of case:	Grant of Environmental Clearance for minor mineral Block-4, area 3.92 Ha located at Panzan Bridge to Trumbi Bagh (Lalgam), Downstream Shaliganga Nallah, Village- Lalgam, Tehsil- Chadoora and Dist. - Budgam, UT: Jammu & Kashmir in favour of M/S NKC Projects Pvt. Ltd.
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease

Category (B1/B2)	B2
Proposal no:	SIA/JK/MIN/233732/2021
File no:	SEAC/JK/20/572
Consultant with validity	M/S Abdul Majeed Mir (RQP) Valid till: 16/05/2027
Presenter of consultant:	Mr. Abdul Majeed Mir
Project proponent / representative of Project proponent:	NHAI through M/S NKC Projects Pvt. Ltd.

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	3.92	Nil	133.61	6.68	10.00	2.67

Mine Closure plan proposed (in lacs)	Mining depth proposed (mts.)	Haulage Route (Kms)	Bulk density proposed by proponent	Cluster situation (Yes/No)
0.50	3.0	0.24	2.3	No

PROJECT EVENT DATES

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	ToRs granted on
14/08/2021	18/09/2021	30/11/2021	10/11/2021	NA

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

APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

STATUS OF DOCUMENTATION

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

NO OBJECTION CERTIFICATES

S. No.	Department	Status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Issued conditionally	
2	Flood Control Dept.	Issued conditionally	
3	Fisheries Dept.	Issued conditionally	
4	Forest Dept. (if required)	Issued as non-forest	
5	Wildlife Protection Dept (If required)	Issued	
6	Pollution Control Board	Issued	
7	Revenue Dept.	Shamilat (Mahfooz khacharie)	
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	2.50	2.00	
3	Env. Awareness programme	0.00	2.00	
4	Pollution monitoring	0.00	2.00	
5	Dust suppression	0.00	0.60	
6	Occupational Health & Safety of mine workers	0.18	0.40	
7	Installation of Hume pipes	0.00	0.00	
	Total	6.68	10.00	

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks
1	Health	Free Distribution of medicines, health check-up	1.37	
2	Electrification	Distribution of free solar panels & installation of solar lights in the nearby village	0.30	
3	Covid -19	Distribution of Sanitizers, face masks etc in the nearby village.	0.00	
4	Sanitation	Construction of toilet (Ladies & Gents) in the nearby village	0.00	
5	Education	Distribution of books, stationery items etc in the nearby school	1.00	
	Total		2.67	

BUDGET FOR SURVILIENCE

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

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

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

						Google Image of 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 with only abutments, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	-
4	Foot bridge with only abutments on two banks, if any located within mining area/ within 500 mts. from the ends of mining block.	No	No	-	-	-
5	Green patch (Cropland / trees /orchard etc. if any located within mining block/adjacent to mining block or within 500 mts. from the mining block.	Yes	No	-	-	Scattered trees present in the mining block on Google Image of 09/2021
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	Yes	Yes			Features indicative of Irrigation

	located within mining block or within 500 mts. of the mining block.					Canals/ Khuls on Google Image of 09/2021
8	Active water channels, if any crossing the mining block.	Yes	Yes	-	-	Active water channel needs to be excluded
9	National Park/Wildlife Sanctuary/ESZ, if any located in close vicinity of the mining block and distance thereof from the mining block.	No	No	-	-	
10	Forest land, if any located in close vicinity of the mining block. If yes, the distance thereof from the ends of mining block.	No	No	-	-	
12	Any other relevant feature of interest or condition which is critical to grant of ToRs/EC to the proposed project	No	No	-	-	

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

- a) The Dept. of Geology & Mining vide Order issued under No. 3532-43 dated 14/08/2021 has sanctioned a Quarry mining block under Rule 91 of the Minor Mineral Concession Rules in favour of National Highway Authority of India through M/S NKC Projects Pvt. Ltd., Badgam—the Principal Executing Agency of Ring Road Project around Srinagar City.
- b) M/S NKC Projects Pvt. Ltd, Badgam has now applied for grant of EC for extraction of minor minerals from the mining block under B2 category.
- c) The Committee observed features on Google Image of Oct., 2021, **indicative of multiple off-take points of irrigation khuls originating from the mining block itself which substantiates the assertion made by the concerned Engineer in the NOC.**
- d) The Title verification issued by the Tehsildar Chadoora vide letter dated 05/08/2021 indicates that the land under the block falls **under Shamlaat category. The consent of the rightful owners is not on record.**
- e) NOC from Wildlife Protection Department mentions that these Nallah's are feeding channels to **Hokersar wetland Reserve. The mining activity may be detrimental to natural flow and quality of the water flowing into Hokersar Wetland Reserve.**

- f) Heavy Illegal mining activity was observed in and around the mining block as per features on latest Google image of October, 2021 which needs appropriate action by the competent authority.
- g) The materials within the block appear to be depleted to a large extent due to heavy illegal mining and any further mining would adversely affect the ecology and hydrological regime of the nalla.
- h) Mining depth of 3.00 m & bulk density of 2.3 adopted in the instant mining plan and Pre-Feasibility Report (PRF) were not agreed by the committee.

RECOMMENDATION OF THE COMMITTEE

In view of the above deliberations / observations made by the Committee herein above, the Expert Appraisal Committee rejected the case for grant of EC.

AGENDA ITEM NO: 04

Title of case:	Grant of Terms of Reference for River bed Mining Project of Minor Mineral in Block No.42, Area (9.72) Ha and Block No.43 revised area 1.62 Ha under cluster situation at Downstream Nallah Vishu H/O M. Amin Mir, Check Bala Reshnagari, Tehsil & District Shopian, UT-Jammu & Kashmir in favour M/S Amit Mahajan S/O Sh. Adarsh Mohan Mahajan and Shri Karanvir Singh S/O Shri Surinder Singh respectively (UNDER CLUSTER SITUATION)
Project type (whether mining lease/STP/Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B1
Proposal no:	SIA/JK/MIN/66424/2021 and SIA/JK/MIN/66651/2021
File no:	SEAC/JK/20/568 and SEAC/JK/20/562
Consultant with validity	P& M solutions Pvt. Ltd, Noida. Valid till: 10/12/2022
Presenter of consultant:	Mr. Manas Vyas
Project proponent / representative of Project proponent:	M/S Amit Mahajan and Mr. Karanvir Singh

CASE SUMMARY OF BLOCK 42

Status	Total Area of cluster (Ha)	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed (in lacs)		CER budget proposed (lacs/annum)
				Capital	Recurring	
New Project	9.72	10.00	204.15	5.60	10.20	4.08

Mine Closure plan proposed (in lacs)	Revised Mining depth proposed (mts.)	Haulage Route (Kms)	Revised Bulk density proposed by proponent	Cluster situation (Yes/No)
1.60	1.00	0.920	2.00	YES

PROJECT EVENT DATES

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	ToRs granted on
27/03/2020	18/09/2021	30/11/2021	09/06/2020	Not yet

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by project proponent as the case may be	Public Hearing held on	Case discussed by JKEAC earlier on	Area reduced by G&M Dept.
NA	NA	-	-	New Project	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 to be revised as per deliberations/recommendations
3	Approved Mine Plan /Mine closure Plan	Formulated not as per guidelines	Mine Plan needs to be revised for mining depth, closure plan, surface plan, targeted mineral production, mining methodology etc.
4	District Survey Report	Formulated not as per guidelines	Needs revision for including replenishment data etc.
5	Environmental Management Plan/ Corporate Environmental Responsibility (PFR/EMP/CER)	Formulated but needs revision	Needs revision as per deliberations/ observations /recommendations

NO OBJECTION CERTIFICATES

S. No.	Department	status as per NOC	Remarks/ Reference
1	Irrigation Dept.	Issued conditionally	1.NOC from irrigation department mentions that
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)	Submitted	supply channel and main water conductors of Tongri canal and chin Ladi are in the vicinity 2. Title verification is ambiguous
6	Pollution Control Board	submitted	
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	Capital	Recurring
1	Green belt development	1.00	1.00		
2	Haulage route maintenance	4.60	1.50		
3	Env. Awareness programme	0.00	0.00		
4	Pollution monitoring	0.00	3.00		
5	Pollution control & Dust suppression	0.00	2.70		
6	Occupational Health & Safety of mine workers	0.00	2.00		
	Total	5.60	10.20		

COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Annual Budget proposed by Proponent (in lacs)	Remarks/
1	Health	Health awareness and medical camps for local community in nearby village and panchayat/ Distribution of Sanitizer, gloves and Mask to the nearby village and panchayat	2.38	

2	Sanitation	Construction of ladies' toilets in the village/ Renovation of toilets in nearby village	0.70	
3	Drinking water facility	Drinking water facility in nearby village and panchayat	0.00	
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	
4	Pattal & duna making machines	Donation of one Pattal & duna making machines in consultation with gram panchayat in village	1.00	
	Total		4.83	

BUDGET FOR SURVILIENCE

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

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

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

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

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

CASE SUMMARY OF BLOCK NO. 43

Status	Reduced Area (Ha)	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed (in lacs)		CER budget proposed (lacs/annum)
				Capital	Recurring	
New Project	1.62	10.10	204.25	4.65	10.21	4.08

Mine Closure plan proposed (in lacs)	Mining depth proposed (mts.)	Haulage Route (Kms)	Revised Bulk density proposed by proponent	Cluster situation (Yes/No)
Not provided	0.7	0.89	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
06/06/2020	18/09/2021	30/11/2021	07/08/2020	Not Yet

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by project proponent as the case may be	Public Hearing held on	Case discussed by JKEAC earlier on	Area reduced by G&M Dept.
NA	NA	NA	NA	NA	11/10/2021

APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

STATUS OF DOCUMENTATION

S. No.	Document	Status	Remarks of the Committee
1	Form 1/Form 2 /Form 1-M as applicable	Submitted	
2	Pre-feasibility report (PFR)	Submitted	Needs revision
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 Management Plan/ Corporate Environmental Responsibility (EMP/CER)	Formulated but needs revision	Needs revision

NO OBJECTION CERTIFICATES

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

ENVIRONMENTAL MANAGEMENT PLAN

S. No	Proposed actions	Budget proposed by Proponent (in lacs)		Remarks/	
		Capital	Recurring		
1	Green belt development	0.20	1.00		
2	Haulage route maintenance	4.45	1.50		
3	Env. Awareness programme	0.00	0.00		
4	Pollution monitoring	0.00	3.01		
5	Dust suppression	0.00	2.70		
6	Occupational Health & Safety of mine workers	0.00	2.00		
7	Installation of Hume pipes	0.00	0.00		
	Total	4.65	10.21		

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	2.00	
2	Drinking water	Providing drinking water facility in the nearby village	0.00	
3	Covid -19	Distribution of Sanitizers, face masks etc in the nearby village.	0.38	
4	Sanitation	Construction of toilet (Ladies & Gents) in the nearby village	0.70	
5	Education	Distribution of books, stationery items etc in the nearby school	0.00	
6	Donation of Pattal & Dona machine	Donation of Pattal & Duna making machine in consultation with gram panchayat	1.00	
	Total		4.08	

BUDGET FOR SURVILIENCE

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

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

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

S.no.	Features observed	Within Mining site boundary (Yes/No/Not identifiable)	Outside mining site boundary (Yes/No/Not identifiable)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks
1	Features indicative of any Illegal mining.	Yes	Yes	-	-	Features indicative of illegal mining activity on Google Image of 09/2018
2	Bridge with midstream piers, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	Yes	-	-	Bridge at a distance of 215 m from the nearest pillar coordinate of the mining block.
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	No	No	-	-	-

	/orchard etc. if any located within mining block/adjacent to mining block or within 500 mts. from the mining block.					
6	Structures of any kind (buildings /Flood control/ protection works/ electric installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.	No	No	-	-	-
7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Not identifiable	Yes			Features indicative of offtake point of a presumably water mill in the vicinity
8	Active water channels, if any crossing the mining block.	Yes	Yes	-	-	Active water channel needs to be excluded
9	National Park/Wildlife Sanctuary/ESZ, if any located in close vicinity of the mining block and distance thereof from the mining block.	No	No	-	-	
10	Forest land, if any located in close vicinity of the mining block. If yes, the distance thereof from the ends of mining block.	No	No	-	-	

12	Any other relevant feature of interest or condition which is critical to grant of ToRs/EC to the proposed project	No	No	-	-	
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DELIBERATIONS/SPECIFIC OBSERVATION(S) OF COMMITTEE

- a) The Block 43 was discussed by JKEAC under agenda 2 of 78th Meeting held on 18/12/2021. However, the case was deferred and the Committee decided that the same shall be appraised with block 42 forming cluster with it.
- b) Both the blocks viz. 42 and 43(Revised) were observed on Google image and illegal mining activity was detected in both the mining block as per features on Google image of May, 2021 which requires report from the MDLTF Cell and fixing of responsibility for illegal mining besides, reporting whether the PP is involved in it.
- c) The NOC from Revenue Dept. does not mention the title of the land under mining blocks.
- d) Active water channel observed also in the resized mining block 43.
- e) Title verification needs to clearly spell out the title of the land under the block.
- f) The supply channel of presumably water supply scheme exists in the vicinity of the block 43 which requires specific NOC from the stakeholder departments.
- g) Drastic reduction in mining area is bound to affect the economic viability of mining operations in the block 43 as the viability gap is likely to open doors to illegal mining and result in further degradation of environment.
- h) The Committee further observed Irrigation offtake point at a distance of 214m from the mining block No.42 and found the canal moving parallel to the mining block at a distance of less than 50m. Further, the Committee also noticed extensive erosion on left bank of the nalla at the site of mining block and apprehended that erosion may be aggravated as and when mining operations commence. The Committee therefore, desired that the PP should incorporate adequate mitigation measures in EMP with appropriate budget aimed at arresting the progression of erosion. Besides, the mining operations shall be restricted beyond a distance of 70 m from the erosion affected edge of the nalla and also maintain a safe distance of 50m from edge of the canal. **The mining block shall be resized accordingly.**
- i) Mining depth of 3.00 m and Bulk density of 2.3 m adopted in the instant mining plan were not agreed by the committee. Mining depth needs to be restricted to max. 1m in aggregate and bulk density be based on actual ground measurements.

RECOMMENDATION OF THE COMMITTEE

In view of the above deliberations / observations made by the Committee herein above, the Expert Appraisal Committee recommended **the cluster of projects** for grant of ToRs for preparation of EIA/EMP subject to Standard and Specific Conditions as per **Annexure A** to these Minutes of Meeting and compliance to observations made herein above.

AGENDA ITEM NO: 05

Title of case:	Grant of Terms of Reference for River bed Mining Project of Minor Mineral in Block No.12, Revised Area (7.32) ha at ANG/BR/12, Larkipora Bridge Downstream Bringi Nallah, District-Anantnag,
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	State - J&K in favour M/S Jugesh Agarwal S/o Sh Ram Chand R/o H.No. 179 Anandpur, pathankot State Punjab-145001. jugesh.aggarwalec@gmail.com (ADS)
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B1
Proposal no:	SIA/JK/MIN/59681/2020
File no:	SEAC/JK/20/368
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 Jugesh Agarwal

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	7.32	76.58	220.73	1.55	11.04	4.42

Mine Closure plan proposed (in lacs)	Revised Mining depth proposed (mts.)	Haulage Route (Kms)	Revised Bulk density proposed by proponent	Cluster situation (Yes/No)
1.50	1.00	0.680	2.00	No

PROJECT EVENT DATES

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	ToRs granted on
24/07/2020	18/09/2021	30/11/2021	22/02/2021	-

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by project proponent as the case may be	Public Hearing held on	Case discussed by JKEAC earlier on	Area reduced by G&M Dept.
NA	NA	-	-	19/01/2021	26/08/2021

APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

STATUS OF DOCUMENTATION

S. No.	Document	Status	Remarks of the Committee
1	Form 1/Form 2 /Form 1-M as applicable	Submitted	
2	Pre-feasibility report (PFR)	Submitted	Needs to be revised as per deliberations
3	Approved Mine Plan /Mine closure Plan	Formulated not as per guidelines	Mine Plan needs to be revised for mining depth, closure plan, surface plan, targeted mineral production, mining methodology etc.
4	District Survey Report	Formulated not as per guidelines	Needs revision for including replenishment data etc.
5	Environmental Management Plan/ Corporate Environmental Responsibility (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	NOC from Irrigation department mentions that supply channel of Barthu is located in the area and extraction of bed material shall adversely affect smooth irrigation facilities to the beneficiaries.
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.	State land	
8	PHE (Jalshakti) Dept.	Not issued	
10	Soil and Water Conservation dept.	---	

ENVIRONMENTAL MANAGEMENT PLAN

S. No	Proposed actions	Budget proposed by Proponent (in lacs)		Remarks/	
		Capital	Recurring	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	Pollution control & Dust suppression	0.00	4.00		
6	Occupational Health & Safety of mine workers	0.00	6.83		
	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	

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	No	No	-	-	-

	within mining block/adjacent to mining block or within 500 mts. from the mining block.					
6	Structures of any kind (buildings /Flood control/ protection works/ electric installations, if any located within/adjacent/ in close vicinity to mining block or within 500 mts. of the mining block.	No	No	-	-	-
7	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	Not Identifiable	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 thereof from the mining block.	No	No	-	-	
10	Forest land, if any located in close vicinity of the mining block. If yes, the distance thereof from the ends of mining block.	No	No	-	-	
12	Any other relevant feature of interest or condition which is critical to grant of	No	No	-	-	-

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

- a) The case had been discussed by the Expert Appraisal Committee earlier during the 24th Meeting held on 19/01/2021 during which the Committee had recommended TORs to the project subject to: -
 - i. Reduction of Mining block to maintain a safe distance of 500 mts from the bridge.
 - ii. Obtaining a certificate from Dy. Commissioner, Anantnag District w.r.t title verification of the land with geographical coordinates proposed under the mining block.
- b) However, the JKEIAA had desired the PP to get the mining block resized and obtain prior title verification before granting ToRs.
- c) The PP has now approached the JKEIAA for reconsideration of the case after submitting above mentioned compliances. But, the JKEIAA has referred the case for appraisal for grant of ToRs.
- d) During fresh appraisal, it was observed that the PP has got the mining block resized by the Geology and Mining department vide letter no 4714-16 dated 26/08/2021 with a revised area of 7.32ha instead of 9.34ha to maintain a safe distance of 500 mts. from the bridge.
- e) The PP has also submitted a **Title verification** from Tehsildar Dooru vide letter dated 27/10/2021 which mentions that the said mining block falls under **state land**.
- f) The communication from irrigation department mentions that supply channel of Barthu is located in the area and extraction of any bed material from the block shall adversely affect smooth irrigation facilities to the beneficiaries **and it further mentions that NOC for the kuhl is required from the Tehsildar concerned as Barthu is a zamindari kuhl.**
- g) Heavy Illegal mining activity was observed in and around the mining block as per features on latest Google image of October, 2021 which needs clarification from the Multi Dept. District level Task Force (MDLTF) Cell and fixing of responsibility besides reporting whether the PP is involved in it.
- h) The materials within the block appear to be depleted to a large extent due to heavy illegal mining and hardly any material is left for environmentally sustainable extraction. Therefore, the PP needs to obtain **'fit for mining certificate'** from the G&M Dept. to the effect that adequate replenishment has taken place in the block and there is sufficient material available to extract material without endangering the ecology and hydrological regime of the nallah.
- i) **The Committee further observed features on Google Image, indicative of an off-take point of irrigation kuhls in the vicinity of the mining block and desired project proponent to obtain field verification of same by the concerned Xen Irrigation Dept.**
- j) Active water channel needs to be excluded from the mining block while calculating the targeting mineral production.
- k) 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
- l) Mining depth of 2.00m and Bulk density of 2.3 m adopted in the instant mining plan were not agreed by the committee. Mining depth be restricted to max. 1m in aggregate and bulk density be based on actual ground measurements.

RECOMMENDATION OF THE COMMITTEE

In view of the above deliberations / observations made by the Committee herein above, the Expert Appraisal Committee again recommended the project for grant of ToRs for preparation of EIA/EMP subject to Standard and Specific Conditions as per **Annexure A** to these Minutes of Meeting and compliance to observations made herein above.

OBSERVATIONS ABOUT CONDUCT OF CONSULTANTS

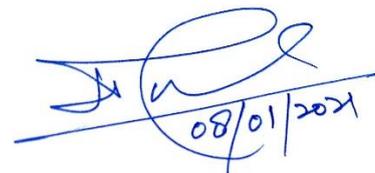
(Excellent/Good /Average/Poor)

(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 Solutions, Noida	M/S Abdul Majeed Mir (RQP)
1	Submission of the documents	6	5
2	Site Appreciation Note, kml /kmz file, site photo and site videos and PowerPoint presentation	5	5
3	Presentation of factual details of case(s)	5	5
4	Field knowledge of the case(s)	5	5
5	Formulation of PFR, EMP, EIA, CER etc.	6	6
	Overall professional conduct during proceedings	5.4	5.2

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



(Humayun Rashid)
SECRETARY
JKUT level Expert Appraisal Committee

NO:EAC/JK/22/12196-12208

Dated:10-01-2022

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 and necessary action please.
2. Sh. S. C. Sharma, Chairman, J&K Expert Appraisal Committee, (JKEAC) 331 Shastri Nagar, Jammu-180004 for favour of kind information.
3. Sh. M.A Tak, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) 124 Mominabad (Near Jakfed), Anantnag Kashmir,-192101 for favour of kind information.
4. Sh. BrajBhushan Sharma, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) 278/2 Channi Himmat, Jammu for favour of kind information.
5. Professor Shakeel Ahmad Romshoo, Member, J&K Expert Appraisal Committee, (JKEAC) Department of Earth Sciences Kashmir University Srinagar-190006 for favour of kind information and necessary action please.
6. Sh. Abdul Rashid Makroo, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) H/No. 9 Lane No 11 Sector C, Gulshan Nagar Nowgam Bypass, Srinagar-190019 for favour of kind information please.
7. Professor ArvindJasrotia Member, J&K Expert Appraisal COMMITTEE, (JKEAC) 33/D Sainik Colony Jammu-180011 for favour of kind information please.
8. Dr.Ghulam Mohammad Dar, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Main Campus IMPA&RD, M.A Road, Srinagar-190001 for favour of kind information please.

9. Sh. Irfan Yasin, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Bagh-e-Hyderpora, Bypass, Srinagar for favour of kind information please.
10. Professor Anil Kumar Raina, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Department of Environmental Science University of Jammu, Jammu-180006 for favour of kind information please.
11. Professor M. A. Khan, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Khan House, A-27 Milatabad, Peerbagh "B" Srinagar for favour of kind information please.
12. Dr. Falendra Kumar Sudan, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Professor Department of Economics University of Jammu, Jammu for favour of kind information please.
13. Sh. Sheikh Sajid, PA for information and with direction to upload the minutes on the environmental clearance portal at parivesh.nic.in.
14. Concerned File.

Annexure-A

GENERAL TERMS OF REFERENCE FOR PREPARATION OF EIA/EMP WITH RESPECT TO RIVER BED MINING PROJECT

STANDARD TERMS OF REFERENCE

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

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

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

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

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

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

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

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

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

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

18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna

present. In case of any scheduled-I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

a) Executive Summary of the EIA/EMP Report

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

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

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

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

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

g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I)

dated 4th August, 2009, which are available on the website of this Ministry, should be followed.

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

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

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

SPECIFIC TERMS OF REFERENCE

1. To submit a detailed site appreciation note/Executive Summary supported with a video and photographs, describing in detail the physical features of the mining site and structures viz. bridges, canal headworks, Zamindari Khuls if any existing within a reach of 500mts. from the downstream and the upstream ends of the mining block. The appreciation note will also describe the environmental settings i.e. agricultural lands if any located on the two banks, green patches in close vicinity of the mining block. The site appreciation note shall form an integral part of the EIA report as per decision of JKEIAA taken in its 38th Meeting.

2. The mining shall be restricted to 3/4th 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.

3. Before conducting Public Hearing, the G&M Dept. shall temporarily mark the boundaries of the mining block in consultation with the concerned Revenue Authority and the JKPCB so that locals know during the public Hearing where the mining block is located on ground as per decision of JKEIAA taken in its 38th Meeting.

4. A comprehensive chapter be included in the EIA report on Cost Benefit Analysis of the mining activity in the mining block underlining the environmental and social costs.

5. Impact of mining activity on adjacent agricultural land with particular reference to run off, soil erosion and top-soil loss due to change in topography.
6. Details of Gradient of riverbed and 3-D view draped on the satellite image
7. Details of excavation schedule & sequential mining plan with a maximum mine depth of 1 mtr.
8. Details of transportation of mined out materials with respect to axle load specified for the road as per the Indian Road congress for both the ways (loaded as well as unloaded trucks) load and its impact on the environment.
9. Impact on mining activity on the existing land use in the study area.
10. Impact of mining on aquatic life.
11. NOCs from HoD/competent authority of Irrigation and Flood Control Dept. and Fisheries Dept. OR as specifically asked for in minutes of meeting should be obtained and submitted while applying for EC.
12. The quantification of river bed material be based on excavation only upto a maximum depth of 1 m in the riverbed or 1 m above water table whichever comes first to safeguard ecological conditions in view of non-availability of replenishment data in DSR.
13. A digitalised surface plan showing coordinates, physical measurements, river gradient and inter-cross sections at different intervals should be a mandatory part of mining plan
14. Specific measures to be undertaken to mitigate the impact of mining activity on the habitat and migration of fish in the river/stream and concurrence thereof from the Fisheries Department.
15. The Photography and videography of the mining block shall be part of the Terms of Reference. 16. The maps shall be submitted on a scale of 1: 3000 and 1: 1500 within 10 kms. Radius
17. The shortest extraction route leading to the main road but with minimum interference with human settlements should be identified and described in detail. This along with the map and its KML file be part of an exclusive chapter in the EMP with adequate budget.
18. Dust suppression measures should be prescribed in the EIA/EMP with adequate budget
19. Post project monitoring plan should be included in the study.
20. Occupational health impacts should be assessed and plan for implementation of COVID 19 SOPs in the mining activity should be detailed.
21. The Consultant while presenting field data in the EIA report, should ensure that the site specific date-wise datasheets duly attested by the local panchayat head with his name,

signatures and stamp and attested by District Mineral Officer with seal and signature are included in the EIA report.

22. The data displayed on air quality monitoring stations should be captured with digital camera displaying the dates on the photograph so captured and same should be submitted in support of the date-wise data sheets. These digital photographs should be submitted in soft as well as appended with the EIA report.

23. The impact of mining activity on the neighbouring villages needs to be studied and extraction road need to be such that it has least crossing through village settlements.

24. Mining shall be proposed manually minimally supported by semi-mechanized methods excluding heavy machinery like JBC or L&T hydraulic excavators etc.

25. While formulating the EIA/EMP documents, the mining guidelines of 2016 and 2020 issued by the MoEF&CC shall be strictly followed.

26. The prescribed TORs would be valid for a period of four years for submission of the EIA/EMP reports, as per the S.O. No. 751(E) dated 17th of Feb., 2020.

