



0191-2474553/0194-2490602

Ministry of Environment, Forest & Climate Change, Govt. of India.  
**J&K UT LEVEL EXPERT APPRAISAL COMMITTEE(JKEAC)**



Department of Ecology, Environment & Remote Sensing  
Paryavaran Bhavan, Gladeni, Transport Nagar, Narwal, Jammu Tawi(November-April)  
SDA Housing Colony, Bemina, Srinagar, Kashmir (May-October)  
Email: seacers@gmail.com, Website:www.parivesh.nic.in

## **MINUTES OF MEETING**

### **MINUTES OF 48<sup>th</sup> MEETING OF THE JK EXPERT APPRAISAL COMMITTEE HELD ON 24<sup>th</sup> of July, 2021 VIA VIDEO CONFERENCING**

In pursuance to meeting Notice issued vide No: No: EAC/JK/20/8088-112 dated: 16/07/2021, the 48th meeting of JKEAC was held on 24th of July, 2021 via video Conferencing. The following members of JKEAC attended the meeting: -

1	Mr. S.C. Sharma, IFS(Rtd.)	Chairman
2	Mr. M.A Tak, IFS(Rtd.)	Member
3	Engineer BB Sharma	Member
4	Mr. Irfan Yasin	Member
5	Prof. Falendra Kumar Sudaan	Member
6	Mr. A.R. Makroo	Member
7	Prof. Anil Kr.Raina	Member
8	Dr. G.M Dar	Member
9	Mr. Humayun Rashid	Secretary

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

The meeting proceeded as per following sequence: -

#### **AGENDA ITEM NO:1**

Title of the Case	Grant of Terms of Reference for proposed Solid Waste Management Facility (Sanitary Land Fill) proposed near Leh city
Type of Project	Common Municipal Solid Waste Management Facility (CMSWMF)
Category(B)	7(i)
Proposal Number	<b>SIA/JK/MIS/63798/2021</b>

File Number	SEAC/JK/20/535
Name of Consultancy with date of validity	ASCENSO ENVIRO PVT. LTD.D-79, Sector-6, Noida, U.P. 201301 Email: eia.ascenso@amcgroup.co.in
Presenter representative of consultant	Mr. Pershotam Kumar Sharma
Project Proponent/ Representative of Project Proponent	Rozi Ali, Executive Engineer, Construction Division Leh

### **CASE SUMMARY**

Area (Ha)	Status (New /Existing)	Organic Waste converter		Sanitary Landfill		Project cost
		Nos	Capacity (MT)	Period (Years)	Capacity	INR
29.12	New	3	30	25	90,147.00 m <sup>3</sup>	19454410.00

Water requirement (KLD)	Power Requirement	Survey Nos	Water bodies, if any within 10 kms
5	100 KVA	10901, 10902, 10903 & 10904, Lasormo	Khardung La Rd: 2.1km west NH-1D 2.5 km South West

Nearest school	Nearest Hospital	Nearest place of worship	Nearest airport
2.23Km towards West	2.15 Km towards South West	1.81 km towards North west	4.70kms

### **APPRAISAL PROCESS**

(To be filled by JKEAC during online appraisal)

#### **STATUS OF DOCUMENTATION**

S. No.	Document	Status	Remarks of the Committee
1	Form 1	Submitted	
2	PFR	Submitted	
3	Detailed drawings	Submitted	
4	Proposed ToRs	submitted	Annexure IV (Standard ToRs)

### NO OBJECTION CERTIFICATES

S. No.	Department	Status of NOCs	Remarks/ Reference
1	Irrigation Dept.	Not yet	
2	Flood Control Dept.	Not yet	
3	Fisheries Dept.	Not yet	
4	School Education Dept.	Not yet	
5	Health Services Dept.	Not yet	
6	Pollution Control Board	Not yet	
7	Revenue Dept.	obtained	
8	PHE Dept.	Not yet	
9.	Airport Authority	Not yet	

OBSERVATION IN RESPECT OF LAND FILL SITE WHEN VIEWED ON MULTIDATE GOOGLE EARTH IMAGE PLATFORM USING KML /KMZ FILE EMAILED/UPLOADED BY THE PROJECT PROPONENT/CONSULTANT

S. No.	Observation	Remarks
1	Features on image indicative of cutting of slope, filling and levelling with embankment around by the side of a non-perineal nala finding its way to the Leh city at a distance of approx.2kms	The project proponent should not have initiated any preparatory work at site without obtaining prior environmental clearance.
2	Features on image indicative of an Existing /Operational facility/ infrastructure for solid waste management exists at a distance of nearly 50 mts from the proposed site	The existing facility has large shed with a boundary walling and as informed by the consultant, three organic waste converter machines have been installed at this site.
3	Features on image indicate proposed Land fill site is located at a higher elevation than Leh city	In case of flash floods/cloud burst, the construction of the SWM facility is likely to pose a threat to the habitation downstream of the site and also contaminate ground water

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

- Proposed site located upstream of Leh city on natural drainage leading to Leh city, is not suitable for such facility.

2. To prevent the possibility of leachate and other solid waste finding its way to the city located downstream in case of flash floods/cloud burst, it would be desirable to locate the facility downstream of Leh city.
3. The project proponent needs to get multicriteria GIS based site suitability analysis study done for locating the landfill at an appropriate site. The study should conclude by identifying at least three sites out of which the site having least environmental implications be selected for execution after obtaining statutory clearances.
4. Whenever, the fresh site is selected and the project proponent applies for grant of EC, the consultant must spell out alternate technologies that could be employed for working in sub-zero temperatures for operationalization of such facility. Further, details of the experts having experience of having provided similar solutions in identical geo-climatic conditions may be provided.

### RECOMMENDATION OF JKEAC

In view of the deliberations and insight gained during the above cited appraisal process, the Committee recommended the case for rejection in the present form as the site is not appropriately located. In the meantime, the project proponent may be asked to get multicriteria GIS based site suitability analysis study done by some reputed GIS expert agency or consultancy for locating three appropriate sites out of which the one with least environmental implications be selected for obtaining environmental clearance.

### AGENDA ITEM NO: 2

Title of the Case	Grant of Terms of Reference for Nallah Bed Mining for Minor Mineral Block No-21 ( <b>Revised Area-2.35 Ha</b> ) U-Brazlo Bridge Upstream Vishu Nallah, Village Brazlo, Tehsil Kulgam, District Kulgam, J&K in favour of Mr. Showkat Ahmad Ganie S/O Gh. Ahmad Ganie R/O Near Jamia Masjid Ambripora Devsar, Bona Devsar, Pulwama, J&K.
Type of Project (Whether mining lease / STP/ Quarry Licence/ Brick Earth Mining)	River Bed Mining Lease
Category(B1/B2)	B1 (Cluster situation)
Proposal Number	SIA/JK/MIN/57505/2020 & SIA/JK/MIN/63018/2021
File Number	SEAC/JK/317
Name of Consultancy with date of validity	Oceao-Enviro Management Solutions India Pvt Ltd - 12/10/2021
Presenter representative of consultant	Hemanshu Goel

Project Proponent/ Representative of Project Proponent	Showkat Ahmad Ganie S/O Gh. Ahmad Ganie
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### CASE SUMMARY

Area (ha)	Bid Cost (in lacs)	Project Cost (in lacs)	EMP cost proposed		CER budget proposed (in lacs)
			CAPITAL (in lacs)	RECURRING (in lacs)	
2.35	63.00	138.00	0.936	0.987	Nil

Mine Closure plan proposed (in lacs)	Mining depth proposed in PFR (mts.)	Haulage Route (Kms)	Bulk density proposed	Cluster situation (Yes/No)
0.15	1	0.5	2.3	Yes

### PROJECT EVENT DATES

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	Resizing of mining block – Date of recommendation, if applicable	Cluster Certificate issued on
16/07/2020	15/04/2021	31/08/2021	31/08/2020	10/03/2021	14/10/2020

### APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

#### STATUS OF DOCUMENTATION

S. No.	Document	Status	Remarks of the Committee
1	Form 1	submitted	Undertaking to be signed by the PP
2	PFR	submitted	Needs revision
3	Approved Mine Plan	Formulated not as per guidelines	Mine Plan needs to be revised for mining block area, 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.

#### NO OBJECTION CERTIFICATES

S. No.	Department	Status of NOCs	Remarks/ Reference
1	Irrigation Dept.	-	Though annexure to letter issued by Adl. Dy Commissioner Kulgam vide letter No. DCK/Estt/2021-
2	Flood Control Dept.	-	
3	Fisheries Dept.	-	

4	Forest Dept. (if required)	-	22/91 dated 12/04/2021 shows that Irrigation Dept. and PHE Dept has not issued NOC in favour of the mining block but subsequently, vide No. DCK/Estt/2021-22/364 dated 15/06/2021 the Adl. Dy. Commr Kulgam reported that NOCs were issued by the Xen PHE and Irrigation concerned conditionally. However, as per record, NOC of Irrigation dept attached with the letter do not mention the mining block 21. Besides, NOCs of Fisheries Dept. etc. also do not mention block No.21
5	Wildlife Protection Dept (If required)	-	
6	Pollution Control Board	-	
7	Revenue Dept.	Recommended	
8	PHE Dept.	Conditionally recommended	
9	Soil Conservation Dept.	-	

**OBSERVATION IN RESPECT OF MINING SITE WHEN VIEWED 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)	Outside mining site boundary (Yes/No)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks
1	Features indicative of any Illegal mining.	No	No	-	-	
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			

<b>5</b>	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			
<b>6</b>	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			
<b>7</b>	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	No	No	-	-	
<b>8</b>	Active water channels, if any crossing the mining block.	Yes	Yes			Area under active water channel needs to be excluded
<b>9</b>	National Park/Wildlife Sanctuary/ESZ, if any located in close vicinity of the mining block and distance thereof from the mining block.	-	-	-	-	
<b>10</b>	Forest land, if any located in close vicinity of the mining block. If yes, the distance thereof from the ends of mining block.	-	-	-	-	
<b>12</b>	Any other relevant feature of interest or condition which is critical to grant of	-	-	-	-	

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

The individual NOCs enclosed with Dy Commissioner Kulgam letter No. DCK/Estt/2021-22/364 dated 15/06/2021 do not bear any mention of NOC issued w.r.t block No.21 as having been done with rest of the blocks. However, the AEE, PHE(Jalshakti) concerned vide his letter No. PHQ/115-16 dated 3/06/2021 has mentioned that the mining activity may affect the water supply schemes in the vicinity.

### **RECOMMENDATION OF JKEAC**

In view of the deliberations and insight gained during the above cited appraisal process, the Committee recommended that the PP should be asked to obtain the **following additional details** from the concerned:-

1. Copy of NOCs issued by the concerned stake holder departments especially; Irrigation Dept., Flood Control Dept, Fisheries Dept. etc in favour of Mining block No. 21 U-Brazlo Bridge Upstream Vishu Nallah, Village Brazlo, Tehsil Kulgam, District Kulgam as reflected in the Annexure to letter No. DCK/Estt/2021-22/364 dated 15/06/2021 issued by Adl. Dy. Commissioner, Kulgam District.
2. In view of apprehensions expressed by the AEE, Jalshakti concerned, a clear cut NOC from the concerned department be submitted to the effect that the mining activity in the designated mining block will not affect the water supply schemes in the area.
3. A clear cut NOC from the Irrigation department be submitted to the effect that the mining activity in the designated mining block will not affect the flow of water into the Irrigation Kuhls in the area.

### **AGENDA ITEM NO: 3**

Title of the Case	Grant of Environment Clearance for Minor Mineral Block Mining Project, Block-2/8, ( <b>Revised Area: 3.28 ha.</b> ), Nowshera Tawi River, Down Stream Muradpur Bridge (Chowki Ketera) Rajouri (Plan-XII), Tehsil & Distt-Rajouri, J&K in favor of Shri Mangal Singh S/O Shri Om Prakash R/O Village-Saidgarh, Tehsil-Bisnah, Jammu.
Type of Project (Whether mining lease / STP/ Quarry Licence/ Brick Earth Mining)	Mining Lease
Category(B1/B2)	B2
Proposal Number	SIA/JK/MIN/214535/2021
File Number	SEAC/JK/20/ 509
Name of Consultancy with date of validity	M/S Gaurang Environmental Solutions, Jaipur
Presenter representative of consultant	Ms Somya Agarwal



Project Representative of Proponent	Proponent/ of Project Proponent	Barinder Singh Chaudhary
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### CASE SUMMARY

Status	Area (Ha)	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed (in lacs)		CER budget proposed (lacs)
				Capital	Recurring	
New Project	3.28	23.59	40	4.0 Lacs	4.75	18.25

Mine Closure plan proposed (in lacs)	Mining depth proposed in PFR (mts.)	Haulage Route (Kms)	Bulk density proposed	Cluster situation (Yes/No)
1.50	1	0.14	1.86	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	Case discussed earlier on	Resizing of mining block –Date of recommendation by G&M Dept, if applicable
23/10/2020	15/04/2021	31/08/2021	16/02/2021	24/04/2021	18/06/2021

### APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

#### STATUS OF DOCUMENTATION

S. No.	Document	Status	Remarks of the Committee
1	Form 1M	submitted	
2	PFR	Submitted	Needs revision
3	Approved Mine Plan	Formulated not as per guidelines	Mine Plan needs to be revised for mining block area, 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.

### NO OBJECTION CERTIFICATES

S. No.	Department	Status of NOCs	Remarks/ Reference
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1	Irrigation Dept.	Issued as per letter from DC	Dy. Commissioner, Rajouri has reported vide No. DCR/2021-22/Actt/80 dated 06/05/2021 that all stake holder depts. have given NOCs but the individual NOC have not been received by JKEAC. PP assured that these are lying with him and would be submitted by email. But these were not received subsequently. Therefore, JKEAC recommended that individual NOCs be submitted prior to grant of EC
2	Flood Control Dept.	Issued as per letter from DC	
3	Fisheries Dept.	Issued as per letter from DC	
4	Forest Dept. (if required)	Issued as per letter from DC	
5	Wildlife Protection Dept (If required)	-	
6	Pollution Control Board	Issued as per letter from DC	
7	Revenue Dept.	Issued as per letter from DC	
8	PHE Dept.	Issued as per letter from DC	
9	Soil Conservation Dept.	-	

#### ENVIRONMENTAL MANAGEMENT PLAN

S. No	PROPOSED ACTIONS	Proposed Budget (in lacs)		Observation of Committee
		Capital	Recurring	
1	Green belt development	1.50	0.75	
2	Haulage route maintenance	2.50	1.00	<i>Rs 5.50 lacs under capital and Rs2.00 lacs under recurring prescribed by JKEAC</i>
3.	Dust suppression		1.00	
4	Pollution monitoring		2.00	
5	Soil Conservation works		0.00	
	Total	<b>7.00</b>	<b>4.75</b>	

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)	Outside mining site boundary (Yes/No)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks
1	Features indicative of any Illegal mining.	No	No			
2	Bridge with midstream piers, if any, located within	no	No			

	mining area/ within 500 mts. from the ends of mining block.					
<b>3</b>	Bridge with only abutments, if any, located within mining area/ within 500 mts. from the ends of mining block.	No	No			
<b>4</b>	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			
<b>5</b>	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			
<b>6</b>	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.	<b>No</b>	<b>No</b>			
<b>7</b>	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	<b>No</b>	<b>No</b>	-	-	
<b>8</b>	Active water channels, if any crossing the mining block.	<b>Yes</b>	<b>Yes</b>			Area under active water channel needs 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.	-	-	-	-	
10	Forest land, if any located in close vicinity of the mining 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	-	-	-	-	

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

1. The mining block area traversed by active water channel needs to be excluded while calculating the minable reserves.
2. Committee prescribed additional budget of 3.00 lacs under capital and Rs 1.00 lacs under recurring under haulage route maintenance. The Consultant was advised to revise the EMP prior to grant of EC accordingly.
3. Individual NOCs from stake holder departments as reflected in the letter No. DCR/2021-22/Actt/80 dated 06/05/2021 from Dy. Commissioner concerned need to be submitted prior to grant of EC by JKEIAA.
4. Hume pipes be installed near pillar D & G for haulage of mineral across the active water channel and mining activity shall be started from downstream to channelize the river bed. The EMP be revised accordingly by providing adequate funding under haulage route maintenance as per remarks in EMP table herein above.
5. Mining depth be restricted to 1m in aggregate in view of non-availability of replenishment data in the DSRs formulated by the G&M Dept.
6. The Consultant need to provide details under which the CER budget of Rs 18.25 lacs shall be utilized prior to grant of EC.

**RECOMMENDATION OF THE COMMITTEE**

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

- a. Prior submission of revised EMP and CER Plan as per deliberations.
- b. Standard and Specific conditions as per **Annexure-B** to these Minutes of Meeting relating to mining leases.
- c. Mining Depth of **1Mts.** in aggregate in view of non-availability of replenishment data in the District Survey Report.

- d. Mining lease Area **3.28Ha** as recommended by the Geology & Mining Dept. on the request of PP.
- e. Targeted Mineral Production **36604**Metric Tons.
- f. Revision of mining plan with revised mining block area, mining depth, closure plan, surface plan, targeted mineral production, mining methodology etc. and its de-novo approval by the competent authority prior to grant of EC or as decided by the JKEIAA.
- g. Condition the revised geographical coordinates as per revised area projected by G&M Dept. are mentioned in the formal EC letter by JKEIAA.
- h. Validity of only three years from the date of commencement of the mining operations duly certified by the District Mineral Officer concerned with intimation to the JKEIAA and JKPCB in view of non-availability of replenishment data provided in the DSR.
- i. Copy of NOCs of the stake holder departments as indicated in annexure to letter No. DCR/2021-22/Actt/80 dated 06/05/2021 from Dy. Commissioner concerned be submitted to JKEIAA/JKEAC prior to grant of EC.

#### AGENDA ITEM NO: 4

Title of case:	Grant of Environment Clearance for Minor Mineral Block Mining Project, Block-3/1, (Revised Area: 2.12 ha.), Nowshera Tawi River, Down Stream Nowshera Jabba Bridge, Tehsil & District Rajouri (Plan-I) in favor of Shri Barinder Singh Chaudhary S/O Shri Kemat Lal R/O Jammu.
Project type (whether mining lease/STP/ Quarry license/brick earth)	Mining Lease
Category(B1/B2)	B2
Proposal no:	SIA/JK/MIN/59835/2021 and SIA/JK/MIN/216111/2021
File no:	SEAC/JK/20/403
Consultant with validity	M/S Gaurang Environmental Solutions, Jaipur
Presenter of consultant:	Ms Somya Agarwal
Project proponent / representative of Project proponent:	Barinder Singh Chaudhary

#### CASE SUMMARY

Status	Area (Ha)	Bid cost (in lacs)	Project cost (in lacs)	EMP cost proposed ( in lacs)		CER budget proposed (lacs)
				Capital	Recurring	
New Project	2.12	45.77	60	2.5	4.00	14.50

Mine Closure plan proposed (in lacs)	Mining depth proposed in PFR (mts.)	Haulage Route (Kms)	Bulk density proposed	Cluster situation (Yes/No)
1.50	1	1.38	1.86	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	Case discussed earlier on	Resizing of mining block – Date of recommendation by G&M Dept, if applicable
<b>06/08/2020</b>	15/04/2021	31/08/2021	<b>05/01/2021</b>	15/02/2021	18/06/2021

### APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

### STATUS OF DOCUMENTATION

S. No.	Document	Status	Remarks of the Committee
1	Form 1M	submitted	
2	PFR	Submitted	Needs revision
3	Approved Mine Plan	Formulated not as per guidelines	Mine Plan needs to be revised for mining block area, 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.

### NO OBJECTION CERTIFICATES

S. No.	Department	Status of NOCs	Remarks/ Reference
1	Irrigation Dept.	Issued as per letter from DC	Dy. Commissioner, Rajouri has reported vide No. DCR/2021-22/Actt/80 dated 06/05/2021 that all stake holder depts. have given NOCs but the individual NOC have not been received by JKEAC. PP assured that these are lying with him and would be submitted by email. But these were not received subsequently. Therefore, JKEAC recommended
2	Flood Control Dept.	Issued as per letter from DC	
3	Fisheries Dept.	Issued as per letter from DC	
4	Forest Dept. (if required)	Issued as per letter from DC	
5	Wildlife Protection Dept (If required)	-	
6	Pollution Control Board	Issued as per letter from DC	
7	Revenue Dept.	Issued as per letter from DC	
8	PHE Dept.	Issued as per letter from DC	

9	Soil Conservation Dept.	-	that individual NOCs be submitted prior to grant of EC
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### ENVIRONMENTAL MANAGEMENT PLAN

S. No	Proposed actions	Proposed Budget (in lacs)		Observation of Committee
		Capital	Recurring	
1	Green belt development	1.00	0.50	Need to be revised with Rs 2.00 lacs in capital and 1.0 lacs under recurring
2	Haulage route maintenance	1.50	1.00	Needs to be revised with 3.00 lacs under capital and 1.50 lacs under recurring
3.	Dust suppression		1.00	
4	Pollution monitoring		1.50	
5	Soil Conservation works			
	Total	<b>2.50</b>	<b>4.00</b>	

### 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)	Outside mining site boundary (Yes/No)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks
1	Features indicative of any Illegal mining.	No	No			
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			

<b>5</b>	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			
<b>6</b>	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			
<b>7</b>	Irrigation canal headworks/ khul inlets, if any located within mining block or within 500 mts. of the mining block.	No	No	-	-	
<b>8</b>	Active water channels, if any crossing the mining block.	No	Yes			Alongside the mining block from upstream-downstream
<b>9</b>	National Park/Wildlife Sanctuary/ESZ, if any located in close vicinity of the mining block and distance thereof from the mining block.	-	-	-	-	
<b>10</b>	Forest land, if any located in close vicinity of the mining block. If yes, the distance thereof from the ends of mining block.	-	-	-	-	
<b>12</b>	Any other relevant feature of interest or condition which is critical to grant of			-	-	



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

1. EMP is too meagre for the project and needs to be revised with appropriate budget as indicated in remarks above.
2. Details of heads under which CER budget of Rs14.50 lacs shall be spent need to be submitted prior to grant of EC
3. Mining depth be restricted to 1m in aggregate in view of non-availability of replenishment data in the DSRs formulated by the G&M Dept.
4. Copy of NOCs of the stake holders not appended with the communication from Dy. Commissioner concerned.
5. Mining plan needs revision for mining block area, mining depth, closure plan, surface plan, targeted mineral production, mining methodology etc.

**RECOMMENDATION OF THE COMMITTEE**

In view of the deliberations and insight gained during the above cited appraisal process, the Committee

recommended the case for grant of Environmental Clearance subject to: -

- a) **Prior** submission of revised EMP and CER as per deliberations.
- b) Standard and Specific conditions as per **Annexure-B** to these Minutes of Meeting relating to mining leases.
- c) Mining Depth of **1Mts.** in aggregate in view of non-availability of replenishment data in the District Survey Report.
- d) Mining lease Area **2.12Ha** as recommended by the Geology & Mining Dept. on the request of PP.
- e) Targeted Mineral Production **23659** Metric Tons.
- f) Revision of mining plan with revised mining block area, mining depth, closure plan, surface plan, targeted mineral production, mining methodology etc. and its de-novo approval by the competent authority prior to grant of EC or as decided by the JKEIAA.
- g) Condition the revised geographical coordinates as per revised area projected by G&M Dept. are mentioned in the formal EC letter by JKEIAA.
- h) Validity of only three years from the date of commencement of the mining operations duly certified by the District Mineral Officer concerned with intimation to the JKEIAA and JKPCB in view of non-availability of replenishment data provided in the DSR.
- i) Prior NOCs of the stake holder departments as indicated in annexure to letter No. DCR/2021-22/Actt/80 dated 06/05/2021 from Dy. Commissioner concerned be submitted to JKEIAA/JKEAC prior to grant of EC.

**AGENDA ITEM NO: 5**

Title of case:	Grant of Environment Clearance for MINOR MINERAL (River Bed Material) Project at Block No. 38 (5/13), (Area- 8.69 ha.), Khatharwalli Khad Upstream Manoh Khathar Bridge, Village- Manoa, Tehsil- Akhnoor, District- Jammu, UT- J&K favouring M/S Sushil Kumar S/O Shri Surinder Singh R/O Sh. Tarsem Lal R/o Flat No. B-13, Sector No. 1, Dream Line Society Trikuta Nagar, Jammu
Project type (whether mining lease/STP/Quarry license/brick earth)	Mining Lease ( <i>Transfer case under G.O. No.76-FST of 2020</i> )
Category(b1/b2)	B1
Proposal no:	SIA/JK/MIN/56340/2019
File no:	SEAC/JK/20/278
Consultant with validity	M/S Gaurang Environmental Solutions, Jaipur
PRESENTER OF CONSULTANT:	Ms Monika Agarwal
PROJECT PROPONENT / REPRESENTATIVE OF PROJECT PROPONENT:	Mr. Barinder Singh Chaudhary

**CASE SUMMARY**

Status	Area (Ha)	Bid cost (in lacs)	Project cost (in lacs)	Revised EMP cost proposed ( in lacs)		Revised CER budget proposed (lacs/annum)
				Capital	Recurring	
New Project	8.69	38.38	<b>86.67</b>	nil	<b>27.89</b>	4.33

Mine Closure plan proposed (in lacs)	Mining depth proposed (mts.)	Haulage Route (Kms)	Bulk density proposed	Cluster situation (Yes/No)
0.015	0.5	0.084	1.86	NO

**PROJECT EVENT DATES**

Date of Letter of Intent (LoI)	LoI –Date of Extension, if any	LoI Date of Validity	Date of Mining Plan approval	ToRs granted on
21/07/2020	15/04/2021	31/08/2021	12/04/2018	26/12/2019

G.O 76JK-FST of 2020 dated 29/07/2021 implemented by JKEIAA for the project on	Previous Project proponent	Baseline data Collection by previous project proponent	Public Hearing held on	Case discussed by JKEAC earlier on
06/08/2020	Shri Nagar Singh Chaudhary	April-June 2019	11/02/2019	05/10/2020 and again on 15/05/2021

### **APPRAISAL PROCESS**

(To be filled by JKEAC during online appraisal)

#### **STATUS OF DOCUMENTATION**

S. No.	Document	Status	Remarks of the Committee
1	Form 1M	submitted	
2	PFR	Submitted	Needs revision
3	Approved Mine Plan	Formulated not as per guidelines	Mine Plan needs to be revised for mining block area, 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.

#### **NO OBJECTION CERTIFICATES**

S. No.	Department	Status of NOCs	Remarks/ Reference
1	Irrigation Dept.	awaited	The certificate issued by DFO concerned not accepted as it doesn't show distance between pillar coordinate of mining block and coordinate of nearest boundary pillar of forest land as was asked for during the previous meeting.
2	Flood Control Dept.	awaited	
3	Fisheries Dept.	awaited	
4	Forest Dept. (if required)	Issued but not as desired by the Committee	
5	Wildlife Protection Dept (If required)	awaited	
6	Pollution Control Board	awaited	
7	Revenue Dept.	awaited	
8	PHE Dept.	awaited	
9	Soil Conservation Dept.	awaited	

#### **ENVIRONMENTAL MANAGEMENT PLAN**

S. No	Proposed actions	Proposed Budget (in lacs)		Observation of Committee
		Capital	Recurring	
1	Green belt development	-	11.47	The consultant needs to provide appropriate capital budget as well
2	Haulage route maintenance	-	5.00	
3.	Dust suppression	-	8.00	
4	Pollution monitoring	-	1.42	
5	Occupational Health & Safety of mine workers	-	2.00	
	Total	-	27.89	

### COORPORATE ENVIRONMENT RESPONSIBILITY

S. No.	Project activity	Activities	Budget (in lacs)
1	Health	Free Distribution of medicines, health check-up campus in association with Local NGO"s nearby village	1.00
2	Electrification	Solar Lamp distribution & Solar street light installation	0.80
3	Sanitation	Construction of ladies toilets in the primary School nearby village.	0.80
4	Education	Distribution of school bags & books in nearby Primary School Education Grants to girl child to check drop outs in schools.	0.50
5	Rain water harvesting structure	Construction of Rain water harvesting structure in the primary School nearby village.	1.23
Total			4.33

### BUDGET FOR SURVILIENCE

S.No.	Particulars	Budget (in lacs)	
		Capital	Recurring
1	Transport Permit	4.00	0.00
2	CCTV Camera	2.00	0.20
3	Weight Bridge	20.00	2.00
4	Personal Computer with power backup	1.00	0.10
5	Mobile Application Barcode scanner	1.50	0.15
6	Radio Frequency Identification Tag(RFID) and GPS	1.00	0.10
7	Annual Audit of lease	0.00	1.00
8	Security Guard	0.00	28.80
	<b>Total</b>	<b>29.50</b>	<b>32.35</b>

### GENERAL PUBLIC HEARING CONCERNS

S. No.	Usual concerns expressed by public during proceedings	(Yes/No)
1	Proper demarcation of mining block	<b>Yes</b>
2	Prevention of illegal mining	<b>Yes</b>
3	CER/CSR Activities for social upliftment	<b>Yes</b>
4	RBM material to locals on concessional rates	-
5	Manual mining and employment to the local unemployed youth	<b>Yes</b>
6	Display of contact details of concerned authorities for enabling locals to report illegal mining or violation of EC conditions	<b>Yes</b>
7	Any other issue raised during the proceedings	-

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)	Outside mining site boundary (Yes/No)	Upstream from mining block (Mts.)	Downstream From mining block (Mts.)	Remarks
1	Features indicative of any Illegal mining.	No	No			

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.	No	No	-	-	

8	Active water channels, if any crossing the mining block.	Yes	Yes			Area under 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.	-	-	-	-	
10	Forest land, if any located within or in close vicinity of the mining block as per digital forest boundary on 1:50,000 scale. If yes, the distance thereof from the ends of mining block.	Yes	Yes	-	-	Needs further verification on ground by the concerned authorized officer of Forest Dept.
12	Any other relevant feature of interest or condition which is critical to grant of ToRs/EC to the proposed project	-	-	-	-	

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

1. Case was discussed in 16th JKEAC meeting held on 5/10/2020 during which mining block was found traversing forest boundary on one hand while as the DFO concerned had issued NOC on the other hand. Under these circumstances, JKEAC had sought clarification from PCCF Office. The consultant again uploaded the case under a different proposal No. and the case was again deliberated by JKEAC on 15/05/2021 during which the Committee rejected the case and desired that PP Obtain a fresh NOC from the designated authorized officer of Forest Department clearly mentioning the geographical coordinates of the forest boundary pillar w.r.t the nearest pillar coordinate of the mining block, also mentioning the distance between the two so that there is no ambiguity in the matter. But, the fresh NOC obtained again from the DFO concerned does not mention the coordinates and therefore, the Committee desired clarification as sought earlier.
2. EMP is too meagre for the project and needs to be revised with appropriate budget.
3. Mining depth above 1m in aggregate not agreed by the Committee.
4. Mining depth mentioned as 3 mts even in revised EIA document while as in PFR and approved mining plan, it is mentioned as 0.50m
5. Contradictory bulk density of 2 mentioned on page 7 of PFR while as in Mining Plan it is shown as 1.86
6. The representative of the project proponent requested to conditionally recommend the case as the LOI is expiring during ending August, 2021. However, the

Committee desired that the JKEIAA may request the PCCF office to intervene so that the clarification is issued to the PP well before 10<sup>th</sup> of August, 2021 so that the case is listed and appraisal process completed before 31<sup>st</sup> of August, 2021.

### RECOMMENDATION OF THE COMMITTEE

In view of the deliberations and insight gained during the above cited appraisal process, the Committee Sought full compliance to the additional details already sought during the JKEAC meeting held on 15/05/2021. Since, the LoI is expiring on 31<sup>st</sup> of August, 2021, the JKEIAA office may request the Office of PCCF, JK to intervene in the matter so that the desired clarification is issued by the authorized officer of the Forest Dept. positively before 10<sup>th</sup> of August, 2021 to enable its appraisal before expiry of the LoI date.

### AGENDA ITEM NO: 6

Title of case:	Grant of Environmental Clearance to stone quarry cluster site measuring 2.50 ha at Pehlipora, Tehsil Lar, District Ganderbal in favour of 127 rehabilitated quarry holders represented by Shri Parvaiz Ahmad Kuchay, Manzoor Ahmad Dar and Mohammad Shafi Bhat R/O Safapur District Ganderbal
Project type (whether mining lease/STP/ Quarry license/brick earth)	Stone Quarry
Category(B1/B2)	B2
Proposal No:	SIA/JK/MIN/133613/2019
File No:	SEAC/JK/20/340
Consultant with validity	Oceo Enviro Management Solutions India Pvt. Ltd., Gaziabad / 12/10/2021
Presenter of consultant:	Hemanshu Goel
Project proponent / representative of Project proponent:	Mr. Parvaiz Ahmad Kuchay

### CASE SUMMARY

Status	Area (Ha)	Land title	Khasra Nos	Project cost (in lacs)	No. of Quarry holders Represented by the PPs	Topography (mRL)	
						Highest Contour	Lowest Contour
New Project	2.50	State land	1086/2	83	127	1736	1680

Mine Closure plan proposed (in lacs)	Mine Plan period (Years)	Haulage Route (Kms)	Water demand (KLD)	Mining Methodology	Total Production for five years as per approved mine plan MTs	Average annual Production MT
0.60	5	1.39	15.39	Open Semi- Mechanized	650005.63	130001

Nearest Habitation (Kms)	EMP cost proposed (in lacs)	CER budget proposed (lacs/annum)
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	Capital	Recurring	
1.31	0.94	<b>0.98</b>	nil

### PROJECT EVENT DATES

List of 127 quarry holders Communicated to G&M Dept. by Dy. Commissioner, Ganderbal for rehabilitation of displaced quarry holders of Safapur belt	Declaration of site as Cluster of Quarries by G&M Dept under Rule 14 of JKMMC Rues of 2016	Date of approval of Mining Plan	Affidavit filed by quarry holders in favour of Project proponent as their representative	No Objection Certificate from Wildlife Protection Dept.	Clarification from G&M Dept. on No. of quarry holders/ Cluster of quarries
10/10/2018	23/01/2019	05/03/2019	25/04/2019	15/03/2021	05/06/2021

### APPRAISAL PROCESS

(To be filled by JKEAC during online appraisal)

#### STATUS OF DOCUMENTATION

S. No.	Document	Status	Remarks of the Committee
1	Form 1M	submitted	
2	PFR	Submitted	Needs revision
3	Approved Mine Plan	Not formulated with desired details	Needs revision to include details as per deliberations
4	EMP	submitted	Needs revision
5	CER	Not submitted	Need to provide details

#### NO OBJECTION CERTIFICATES

S. No.	Department	Status of NOCs	Remarks/ Reference
1	Wildlife Protection Dept.	Issued	
2	Pollution Control Board	Need to obtain	
3	Revenue Dept.	Already recommended	

#### ENVIRONMENTAL MANAGEMENT PLAN

S. No	Proposed actions	Proposed Budget (in lacs)		Observation of Committee
		Capital	Recurring	
1	Green belt development	0.54	0.10	Need to be revised with appropriate budget
2	Haulage route maintenance	0.00	0.00	Need to provide appropriate budget
3.	Dust suppression	0.40	0.40	



4	Pollution monitoring	-	0.48	
5	Occupational Health & Safety of mine workers	-		Need to be provided appropriate budget under the head
6.	Soil Conservation			
	Total	<b>0.94</b>	<b>0.98</b>	

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

Features observed	Remarks
Ajas Wildlife Conservation Reserve	Since, the quarry site appeared to be lying inside the Ajas Wildlife Conservation Reserve as per digital boundary available on 1:50,000 scale. Therefore, necessary clarification had been sought from the office of Chief Wildlife Warden, JK in pursuance to recommendations made during the 21st JKEAC Meeting held on 5/12/2020. However, the Office of Chief Wildlife Warden has reported vide letter No. WLP/Tech/2021/423-25 dated 15/03/2021 that the boundary of Ajas Wildlife Conservation Reserve is 300mts away from the proposed quarry site.

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

1. Case was discussed in 21st JKEAC meeting held on 5/12/2020 during which the Committee had desired as under: -
  - a. to obtain the copy of letter No. DC/GBL/PS/F-20/1256-60 dated 10/10/2018 issued by the Dy. Commissioner, Ganderbal wherein the list of affected quarry holders of Safapora stone quarry belt to be rehabilitated had been communicated to the Director, Geology & Mining Department.
  - b. To seek clarification from the Geology & Mining Department whether, the area of 2.5 ha allotted for rehabilitation of the affected quarry holders of Safapora is the only land declared as cluster of quarries for rehabilitation of the affected quarry holders or 2.5 ha land has been allotted to only three project proponents viz. Parvaiz Ahmad, Manzoor Ahmad Dar and Mohammad Shafi Bhat and others are in queue and are yet to apply for EC.
  - c. To seek clarification from the Chief Wildlife Warden, J&K and Regional Wildlife Warden (Kashmir) as to whether the quarry area is inside or outside the Ajas Conservation Reserve.
2. In compliance to the above cited recommendations, the Committee observed that the PP has submitted following compliances: -
  - a. copy of letter No. 1126/MCC/DGM/DMO/09/1004 dated 05/06/2021 from the Director G&M Dept. addressed to the Member Secretary, JKEIAA with copy of letter dated 10/10/2018 from Dy. Commissioner, Ganderbal District showing the 127 number of quarry holder beneficiaries being represented by the project proponents.
  - b. Copy of letter No. MSN/DGM/SGR/F02/1221-22 dated 09/03/2021 from the Joint Director, G&M Dept. indicating that the area of 2.5 ha is the only land declared as cluster of quarries for rehabilitation of 127 quarry holders identified by the Dy. Commissioner Ganderbal.

- c. Copy of Letter No. WLP/Tech/2021/423-25 dated 15/03/2021 from the office of Chief Wildlife Warden, J&K which indicates that the quarry site falls under Survey No. 1086 min and is at a distance of 300mts away from the boundary of Ajas Wildlife Conservation Reserve.
3. Appropriate budget may be kept for Occupational Health check-up and safety of quarry holders and the EMP may be revised as per above remarks.
  4. Appropriate budget may also be formulated under CER activates.
  5. The quarrying should not affect the natural drainage.
  6. To formulate a detailed risk assessment and management plan for the quarry cluster.
  7. The Committee discussed the Amendment Notification S.O. 3977(E) dated 14/08/2018 w.r.t appraisal of minor minerals which reads as under:-
 

*General Conditions shall apply except:*

    - (i) *for project or activity of mining of minor minerals of Category 'B2'*

*(up to 25 ha of mining lease area);*
  8. The Committee also discussed the pertinent part of the O.M dated 8th August, 2019 issued by MoEF&CC, which reads as under: -
 

*iv. Proposals involving mining of minerals within the ESZ (or) one kilometer from the boundaries of National Parks and Sanctuaries whichever is higher is prohibited in accordance with the order of the Hon'ble Supreme Court dated 4.08.2006 in the matter of T.N. Godavarman Thirumulpad Vs. UOI in W.P.(C) No. 202 of 1995 and dated 21.4.2014 in the matter of Goa Foundation Vs. UOI in W.P.(C) No. 435 of 2012.*
  9. It was found that the approved mining plan is sketchy without any specific details about the **number of quarries** and **its distribution among the 127 defined / nominated beneficiaries.**
  10. The Committee discussed the Rule 14 of Minor Mineral Concession Rules under which the Cluster of Quarries have been declared by the G&M Dept. As per the said Rules, there cannot be more than 20 quarries in the cluster in the designated cluster area. Therefore, the Committee desired that before proceeding further, the G&M Dept. should furnish following details:-
    - a. Total Number of quarries in the cluster, with area and their geo-coordinates.
    - b. Number of beneficiaries in each quarry, their names / details, *Modus operandi* of collective management and responsibilities.
    - c. Declaration of legal entitlement and functional rights of the quarry holders.
    - d. Revision of mining plan showing the area of each quarry in the cluster with physical measurements and coordinates showing annual / total quarry excavation depth. It should be ensured that the parameters affecting the stability of the quarry site and its surrounds are well taken care of. It should also include a well-defined closure plan of each quarry detailing the responsibility of the stake holders.
    - e. Provision for safety audit of the entire belt.

### **RECOMMENDATION OF THE COMMITTEE**

In view of the deliberations and insight gained during the above cited appraisal process, the Committee recommended for seeking following additional details from the Geology & Mining Department: -

- Fresh affidavit from the 127 nominated beneficiaries as identified by the Dy. Commissioner, Ganderbal District duly attested by the Magistrate 1<sup>st</sup> class to the effect that they have authorized the project proponents for all matters relating to application for grant of EC before JKEIAA.
- Total Number of quarries in the cluster, with area and their geo-coordinates.
- Number of beneficiaries in each quarry, their names / details, Modus operandi of collective management and responsibilities.
- Declaration of legal entitlement and functional rights of the quarry holders by concerned authorities.
- Revision of mining plan giving details about the 127 beneficiaries, area allotted in each quarry of the cluster with physical measurements and coordinates showing annual / total quarry excavation depth. It should be ensured that the parameters affecting the stability of the quarry site and its surrounds are well taken care of. It should also include a well-defined closure plan of each quarry detailing the responsibility of the stake holders.
- Provision for mid-term safety audit of the entire quarry cluster.

### **OBSERVATIONS ABOUT CONDUCT OF CONSULTANTS**

**(Excellent/Good /Average/Poor)**

S.No.	Component	Ascenso enviro PVT. LTD	Oceao- Enviro Management Solutions India Pvt Ltd	M/S Gaurang Environmental Solutions, Jaipur
1	Submission of the documents	Good	Average	Average
2	Site Appreciation Note, kml /kmz file, site photo and site videos and PowerPoint presentation	Good	Poor	Poor
3	Presentation of factual details of case(s)	Average	Average	Average
4	Field knowledge of the case(s)	Poor	Poor	Average
5	Formulation of PFR, EMP, CER etc.	Poor	Average	Poor
	<b>Overall professional conduct during proceedings</b>	<b>Average</b>	<b>Average</b>	<b>Average</b>

Lastly, the minutes of the meeting of the 47<sup>th</sup> JKEAC were confirmed and the meeting ended with vote of thanks to the Chair and the members.

**Encl:-Annexure-B**



**(Humayun Rashid)**  
**SECRETARY**

**JKUT level Expert Appraisal Committee**

NO: EAC/JK/20/8132-144

Dated:27.07.2021

Copy by email to:

- The Member Secretary, J&K Environment Impact Assessment Authority (JKEIAA), /PCCF/Director, Ecology, Environment and Remote Sensing, J&K Govt., Jammu for favour kind information and necessary action please.

2. Sh. S. C. Sharma, Chairman, J&K Expert Appraisal Committee, (JKEAC) 331 Shastri Nagar, Jammu-180004 for favour of kind information.
3. Sh. M.ATak, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) 124 Mominabad (Near Jakfed), Anantnag Kashmir,-192101 for favour of kind information.
4. Sh. Braj Bhushan 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 Arvind Jasrotia Member, J&K Expert Appraisal COMMITTEE, (JKEAC) 33/D Sainik Colony Jammu-180011 for favour of kind information please.
8. Dr. Ghulam Mohammad Dar, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Main Campus IMPA&RD, M.A Road, Srinagar-190001 for favour of kind information please.
9. Sh. Irfan Yasin, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Bagh-e-Hyderpora, Bypass, Srinagar for favour of kind information please.
10. Professor Anil Kumar Raina, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Department of Environmental Science University of Jammu, Jammu-180006 for favour of kind information please.
11. Professor M. A. Khan, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Khan House, A-27 Milatabad, Peerbagh "B" Srinagar for favour of kind information please.
12. Dr.Falendra Kumar Sudan, Member, J&K Expert Appraisal COMMITTEE, (JKEAC) Professor Department of Economics University of Jammu, Jammu for favour of kind information please.
13. Sh. Sheikh Sajid, PA for information and with direction to upload the minutes on the environmental clearance portal at [parivesh.nic.in](http://parivesh.nic.in).
14. Concerned File.

## **ANNEXURE-B**

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

#### **STANDARD CONDITIONS:-**

**a) Statutory compliance**

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

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

**b) Air quality monitoring and preservation**

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

**c) Water quality monitoring and preservation**

- (1) In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection

of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.

- (2) Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not to go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug wall located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
- (3) Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in and around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operation in consultation with Central Ground Water Authority/ State Ground Water Department. The Report on changes in Ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department / State Pollution Control Board.
- (4) The Project Proponent shall undertake regular monitoring of natural water course/ water resources/ springs and perennial nallahs existing/ flowing in and around the mine lease and maintain its records. The Project Proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby/ adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-à-vis suitability for usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/ or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The monitoring of water courses/ bodies existing in lease area shall be carried out four times in a year viz. pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six-monthly basis.
- (5) Quality of polluted water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J- 20012/1/2006-IAJI (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.

- (6) Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC annually.
- (7) Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by concerned State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
- (8) The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/COMMITTEE.

**d) Noise and vibration monitoring and prevention**

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

**e) Mining plan**

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



and Rules/ Guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.

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

**f) Land reclamation**

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

sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains,

- (7) The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The physical parameters of the top soil dumps like height, width and angle of slope shall be governed as per the approved Mining Plan and as per the guidelines framed by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of dumps. The topsoil shall be used for land reclamation and plantation purpose.

**g) Transportation**

- (1) No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. *(In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated.)* All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers.

- (2) The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.

**h) Green Belt**

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

EC granted by the Ministry irrespective of the stipulation made in approved mine plan.

- (2) The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
- (3) The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.
- (4) The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt.
- (5) And implemented in consultation with the State Forest and Wildlife Department. A copy of Wildlife Conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry.

**i) Public hearing and human health issues**

- (1) The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintain properly. PP shall also carryout Occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking, etc. The check-ups shall be undertaken once in six months and necessary remedial/ preventive measures be taken. A status report on the same may be sent to MoEFCC Regional Office and DGMS on half-yearly basis.
- (2) The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighbourhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation, Personal Hygiene, Hand washing, not to defecate in

open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carry out base line HRA for all the category of workers and thereafter every five years.

- (3) The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise Audiometric; for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn) Estimation in Blood; For Inorganic Chromium Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by NABH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos, Hard Rock Mining, Silica, Gold, Kaolin, Aluminium, Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure storage of the records including X-Ray. Only conventional X-Ray will be accepted for record purposes and not the digital one). X-Ray must meet ILO criteria (17 x14 inches and of good quality).
- (4) The Proponent shall maintain a record of performance indicators for workers which includes
  - a. there should not be a significant decline in their Body Mass Index and it should stay between 18.5 -24.9,
  - b. the Final Chest X-Ray compared with the base line X-Ray should not show any capacities,
  - c. At the end of their leaving job there should be no Diminution in their Lung Functions Forced Expiratory Volume in one second (FEV1) Forced Vital Capacity (FVC), and the ratio) unless they are smokers which has to be adjusted, and the effect of age,
  - d. their hearing should not be affected. As a proof an Audiogram (first and last need to be presented),
  - e. they should not have developed any Persistent Back Pain, Neck Pain, and the movement of their Hip, Knee and other joints should have normal range of movement,
  - f. they should not have suffered loss of any body part. The record of the same should be submitted to the Regional Office, MoEFCC annually along with details of the relief and compensation paid to workers having above indications.
- (5) The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- (6) Project Proponent shall make provision for the housing for workers/labors or shall construct labour camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic

waste water should be treated with STP in order to avoid contamination of underground water.

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

**j) Corporate Environment Responsibility (CER)**

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

**k) Miscellaneous**

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

**SPECIFIC CONDITIONS: -**

1	The Project Proponent must obtain NOCs from competent authority of all the concerned stake holder departments /Joint Inspection Report prior to grant of formal Environmental Clearance. The EC shall be subject to 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 <b><u>as per revised mining plan to be approved by competent authority denovo</u></b> within the prescribed area and depth recommended by the JK Expert Appraisal Committee, as the case may be and <b><u>whichever is less</u></b> . 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. 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 3/4th 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.
21	The compliance report shall be submitted to the Regional Office of the MoEF&CC at Chandigarh with a copy to the Regulatory Authority.

22	The mining activity should in no case go beyond the area as mentioned in the Letter of Intent 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, 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.
64	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.
61	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.
62	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.
63	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.
64	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.
65	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 where ever, recommended by the Expert Appraisal Committee.

66	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.
67	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.
68	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.
69	The PP shall not sub-let the mining block to any third party without written approval from the JKEIAA
70	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.
71	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
72	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.
73	In the event any conflict in interpretation of Standard /General Conditions vis-a vis Specific Conditions, the Specific Conditions shall prevail.