



Himachal Pradesh State Expert Appraisal Committee

SEIAA, Himachal Pradesh

Ministry of Environment Forest & Climate Change, Government of India,

at Department of Environment Science & Technology,

Paryavaran Bhawan, Near US Club, Shimla-1

Ph: 0177-2656559, 2659608, Fax: 2659609

No. HP SEAC/2008, 16-Vol-V

Dated: 3/9/2019

MINUTES OF THE 67th MEETING OF THE STATE EXPERT APPRAISAL COMMITTEE HELD IN CONFERENCE HALL, DEPARTMENT OF ENVIRONMENT, SCIENCE & TECHNOLOGY, SHIMLA, ON 03.09.2019

The 67th meeting of State Expert Appraisal Committee for appraisal of the Project proposals received for Environmental Clearance was held on 3/9/2019 in the Conference Hall of Department of Environment, Science & Technology, Shimla. The following were present in the meeting:

Sr.	Name	Designation	3/9/2019
1.	Dr. Ajai Bhandari, IAS (Retd.)	Chairman	✓
2.	Dr. Kulraj Singh Kapoor	Member	-
3.	Sh. Arun Kumar Sharma	Member	✓
4.	Dr. Kartar Singh Verma	Member	✓
5.	Dr. Bhupinder S. Marh	Member	✓
6.	Sh. A. N. Gautam	Member	✓
7.	Pr. Scientific Officer (Env.)	Secretary	✓

The Deliberations were started with permission of Chair.

ITEM NO. 1:

The minutes of the 66th meeting of SEAC held from 6th July, 2019 discussed and confirmed.

ITEM NO. 2

- 2.1 Smt. Meera Devi, W/o Sh. Som Dutt Sharma, Village-Lehra, P.O. Galore, Tehsil-Nadaun, District-Hamirpur, H.P.

Brief outline of the project:

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| a) | Proposal no. | SIA/HP/MIN/32426/1900
HP SEIAA/2019/621 |
| b) | Project type | Extraction/collection of Sand, Stone & Bajri, |
| c) | Project Location | Khasra number 978/1 falling in Mohal-Tuhani, Mauza-Jassal of Tehsil-Nadaun, District-Hamirpur, Himachal Pradesh. |
| d) | Capacity | 79,724 TPA |
| e) | Mining Area | 4-53-70 hectare, Private land, River bed on on Mann Khad. |
| f) | Jamabandi | 2008-09 |
| g) | Land Status | As per the Jamabandi submitted Smt. Meera Devi is owner of the land. |
| h) | Leases with in 500 meter from the periphery of the area applied. | No mining leases exist within 500 meters. |
| i) | Letter of Intent | Extension of Lol issued on 16.07.2019
(valid up from 24.05.2019 to 23.05.2020) |
| j) | EMP Cost | Capital Cost: Rs. 5.4 lakhs; Recurring cost: Rs. 2.50 lakhs PA |
| k) | CER cost | Capital Cost: Rs. 1.00 lakhs for providing pattal/ dona making machine. |

Online proposal for granting Environment Clearance was submitted on dated 08/03/2019 and accepted by the SEIAA secretariat on dated 22/03/2019 and forwarded to SEAC secretariat. The SEAC secretariat further accepted the proposal on dated 30/05/2019 after scrutinizing the hard copy submitted by the PP on dated 09/05/2019 for technical appraisal by the SEAC.

The proposed project is the river bed mining of Sand, Stone & Bajri from Mann Khad. As proposed the mining will be carried out only up to a depth of 1 m (3 feet).

The project proponent has submitted Form-1, extension of letter of Intent issued by State Geologist dated 16.07.2019, letter from Mining Officer regarding available mining leases with in 500 meter radius dated 20.12.2016, joint inspection report dated 28.06.2013, land revenue records, approved mining plan issued by Director of Industries, dated 17.10.2016, buffer maps & geological plans of the project site, list of flora and fauna certified by competent authority dated 21.12.2016, NOC from Gram Panchayat Mansai dated 24.12.2014, affidavit regarding CSR activities, base line environmental data of air quality, water quality and noise level along with site photographs.

The case was appraised by SEAC in 65th meeting, where in it was decided that the case be listed in next meeting after compliance of the following observations:

- 1) The project proponent shall submit the NOC from the Gram Panchayat.
- 2) The project proponent shall submit detailed waste management plan.
- 3) The project proponent shall submit the exact Khasra number proposed to be used for plantation activities.
- 4) The project proponent shall submit the water discharge/ water table of the well as mentioned, located in private land.
- 5) The project proponent shall submit the personnel employed in the mining activities.
- 6) The project proponent shall submit revised EMP & CER plan.
- 7) The project proponent shall include Pattal & Duna making machines as part CER activity adding cost of Rs. 1.00 lakhs under CER. The PP shall also include to impart the trainings for operating the machine as part CER activity.

After receiving the compliance from the project proponent vide letter number nil dated 20.06.2019 & 16.07.2019 on the above observations, accordingly the case is placed before SEAC for further approval.

The case was appraised by SEAC in its 67th Meeting. After deliberating on the information submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I and with following additional conditions:

- 1) The project proponent shall submit the original copy of Jamabandi duly countersigned by the Revenue Officer/ Patwari prior to the listing of case before SEIAA.
- 2) The project proponent shall provide one Pattal & Duna making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional dona/pattal makers in the district for forming Self Help Group & shall provide a machine as part CER activity under CER. The PP shall also impart trainings for operating the machine as part CER activity.
- 3) The project proponent shall submit report w.r.t findings of the replenishment study of the mining area within one year of time from the operationalization of mining.

2.2 Sh. Madan Mohan Sharma, S/o Sh. Natha Ram, House No. 214, Ward No. 204, Ward No. 10 (Devi Nagar), Tehsil-Paonta Sahib, District-Sirmaur.

Brief outline of the project:

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| a) | Proposal No. | SIA/HP/MIN/37971/2019
HP SEIAA/2019-639 |
| b) | Project type | Extraction/collection of Sand, Stone & bajri. |
| c) | Project Location | Khasra number 336 falling in Mauza & Mohal-Kunja, Tehsil-Paonta Sahib, District-Sirmaur, H.P. (as per Jamabandi year 2010-2011) |
| d) | Capacity | 56,244 TPA |
| e) | Mining Area | 2-77 ha, (32-19 Bighas), Pvt. Land, river bed. |
| f) | Jamabandi | 2010-2011 (original attached) |
| g) | Land Status | Land in the name of Sh. Madan Mohan |
| h) | Leases within 500 meter from the periphery of the area applied. | One another mining lease exist within 500 meters
1. M/s Madan Mohan Shrama, in Khasra no. 336 (2.68 ha.) |
| i) | Letter of Intent | LOI issued on dated 28.07.2017, Extension of LOI issued on 04.07.2019.
(valid up from 28.07.2018 to 27.07.2019) |
| j) | EMP Cost | Capital Cost: Rs. 0.1 lakhs; Recurring cost: Rs. 1.8 lakhs PA |
| k) | CER cost | Capital Cost: Rs. 2.00 lakhs; Recurring cost: Rs. 0.50 lakhs PA |

Online proposal for granting Environment Clearance was submitted on dated 20/6/2019 and accepted by the SEIAA secretariat on dated 1/1/19 and forwarded to SEAC secretariat. The SEAC secretariat further accepted the proposal on dated 3/7/19 after scrutinizing the hard copy submitted by the PP on dated 26.6.2019 for technical appraisal by the SEAC.

The proposal is for extraction/collection of Sand, Stone & Bajri. The entire stretch of mining lease area is private land which is part of bed of Yamuna river.

The case was appraised by SEAC in its 66th Meeting held on 6/7/2019. The SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I and with following additional conditions:

- 1) The project proponent shall provide two *Pattal & Duma* making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional *dona/pattal* makers in the district for forming Self Help Group & shall provide a machine as part CER activity. The PP shall also impart trainings for operating the machine as part CER activity.
- 2) The project proponent shall submit the affidavit regarding plantation of at least 1000 plants of *Maljhum/Sal/Shoera Robusta*
- 3) The project proponent shall also submit latest revenue records i.e. Jamabandi duly assigned by the competent authority/ Patwari.
- 4) The project proponent shall submit report w.r.t findings of the replenishment study of the mining area within one year of time from the operationalization of mining.

The case was listed in 44th meeting of SEIAA, where in it was decided that:-

.....on the recommendations of SEAC and considering the O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 issued by the MoEF&CC, GoI regarding compliance to Hon'ble National Green Tribunal orders dated 13th September, 2018 and in view of the fact that the mining area falls under cluster situation having area >5 hectares, the SEAC may reconsidered & re-examine the case.

In view of the decision of HPSEIAA, accordingly the case was listed before SEAC. The SEAC in its 67th meeting reviewed the project proposal w.r.t status of other mine exists within 500 meter radius. The project proponent explained that there is one mining project falling in 500 meter radius of the present case and this project is also owned by him only. He submitted that the mining project on Khasra number 336 comprising of area 2.68 ha. falling in Mauza & Mohal-Kunja, Tehsil-Paonta Sahib, District-Sirmaur is non operational and is closed for last 3-4 years due to technical problems i.e. road connectivity etc. The project proponent further added that he will not operate on the other mining site.

After deliberating on the information submitted by the PP, the SEAC recommended that:

1. The SEIAA may consider the case as per the earlier recommendations made in its 66th meeting subject to the condition that:
 - a. the project proponent shall submit the certificate from mining department to the effect that the mining site falling in cluster is not operational.
 - b. The project proponent shall submit an affidavit/undertaking to the extent that he will not operate the mining site without permission from SEIAA. In case at later stage he decides to do so, he will go for undertaking the public hearing jointly for both the mining leases as per EIA Notification 2006.

2.3 Sh. Kush Parmar, Gautam Niwas, Near Ram Kundi, Nahan, District-Sirmaur, H.P. Pin-173025.

Brief outline of the project:

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| a) Proposal No. | SIA/HP/MIN/71822/2017 (applied for EC) dated 20.12.2018
SIA/HP/MIN/30768/2019 (applied for TOR's) dated 21.01.2019
HP SEIAA/2018/600 |
| b) Project type | Extraction of Sand, Stone & Bajri. |
| c) Project Location | Khasra number 2171 falling in Mauza & Mohal-Paonta Sahib, Tehsil-Paonta, District-Sirmaur, H.P. |
| d) Jamabandi | Jamabandi for the year 2012-2013 |
| e) Land Status | Govt. land, (Forest land) |
| f) Capacity | 93710 TPA |
| g) Mining Area | 64-11 Bighas, 5-59-45 ha, Government land (river bed) |
| h) Leases within 500 meter from the periphery of the area applied. | Two numbers of mining leases exist within 500 meters.
1. Panota-II(B) having 6-86-55 ha
2. Paonta-II(C) having 2-88-75 ha |
| i) Letter of Intent | LOI issued on 20.08.2016
(valid only for obtaining requisite clearance from competent authority) |
| j) EMP Cost | Capital Cost: Rs. 3.6 lakhs; Recurring cost: Rs. 2.3 lakhs |
| k) CER cost | Capital Cost: Rs. 1.0 lakhs; Recurring cost: Rs. 0.30 lakhs |

Online proposal for granting Environment Clearance was submitted on dated 20/12/2018 and accepted by the SEIAA secretariat on dated 26/12/2018 and forwarded to SEAC secretariat. The SEAC secretariat further accepted the proposal on dated 17/02/2019 for technical appraisal by the SEAC.

The proposed project is extraction of Sand, Stone & Bajri situated in the river Yamuna, which is a primary tributary of the river Ganga.

The project proponent has submitted Form-1, pre-feasibility report, buffer map of the project site, letter of Intent for mining of minerals issued by Director of Industries, dated 20.08.2016, distance certificate from Mining Officer dated 02.01.2017 regarding mining leases located within 500 meters

from the periphery of the other mining leases, joint inspection report dated 16.10.2015, jamabandi certificate from Revenue Department, approved mining plan issued by Industry Department HP dated 09.10.2017, cross sections of the project site at appropriate intervals in case of riverbed mining showing banks, certificate from H.P. Forest Department regarding list of flora and fauna of the concerned area and list of fast growing species, NOC letter from Nagar Palika, Paonta Sahib dated 12.07.2018, affidavit regarding CSR activities, base line environmental data of air quality, water quality and noise level along with site photographs.

The proposal was examined in the light of provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13th September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being more than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/ State Expert Appraisal Committee (SEAC) of the State with EIA & EMP.

The case was appraised by SEAC in 63rd meeting, where in the Committee decided to defer the case and list it in next meeting after submission of complete EIA & EMP study report as per the provision of EIA Notification, 2006. Proposal Number SIA/HP/MIN/71822/2017 dated 20/12/18 applied for EC will be considered and proposal No. SIA/HP/MIN/30768/2019 applied for TOR will not be considered and the PP may withdraw the proposal No. SIA/HP/MIN/30768/2019 online.

Online proposal for granting ToR was submitted on dated 21/01/2019 and accepted by the SEIAA secretariat on dated 01/02/2019 and forwarded to SEAC secretariat. The SEAC secretariat further accepted the proposal on dated 06/02/2019 for technical appraisal by the SEAC.

The project proponent vide letter no. nil dated 29.07.2019 submitted the request for issuance of letter of TOR's and approval to conduct public hearing on the basis of the proceedings of 42nd meeting of SEIAA held on 17th April, 2019.

The case was listed before SEAC in its 67th Meeting. After deliberating and considering the request submitted by the project proponent the SEAC recommended the case application for consideration of grant of ToR for preparing EMP/EIA as per the Standard ToR issued by the MoEF&CC for mining activities with additional ToRs as under:

1. The project proponent shall also assess the air quality of the area using Air Quality Models.
2. The project proponent shall assess and provide comprehensive details of muck disposal in the final EIA/ EMP report.
3. The project proponent shall provide details of labour, its management.
4. The project proponent shall assess the erosion of river banks, details of bank to bank width, map the river course, bank plan, measurements for stabilization of river banks.
5. The traffic/ vehicle flux assessment shall be included in the EIA/ EMP.
6. The project proponent may use baseline data for EIA/ EMP reports from already formulated EIA/ EMP as per the provision of EIA notification 2006 with prior consent of the respective proponent and his undertaking to be submitted to the SEAC.
7. The project proponent shall include plantation of Shorea robusta/ (maljhum/sal) species in the EIA/ EMP.
8. The project proponent shall include provision of providing pattal making machine to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional dona/pattal makers in the district for forming Self Help Group & shall provide a machine as part CER activity under CER.

2.4 **Sh. Randeep Singh, S/o Sh. Gurbaksh Singh, Village-Masruwala, PO-Dulmana, Tehsil & District-Hanumangarh, Rajasthan. Pin-335513.**

Brief outline of the project:

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| a) | Proposal No. | SIA/HP/MIN/30463/2018 (for TOR)
SIA/HP/MIN/40997/2018 (for EC)
HP SEIAA/2018-598 |
| b) | Project type | Extraction of Sand, Stone & Bajri. |
| c) | Project Location | Khasra number 936 & 998 (Government land) falling in Mauza & Mohal-Bhangani of Tehsil-Paonta Sahib, District-Sirmour, H.P. |
| d) | Jamabandi | Jamabandi for the year 2015-2016 |
| e) | Land Status | Govt. land, (Forest land) |
| f) | Capacity | 7,97,676 TPA |
| g) | Mining Area | 13-2 Bighas (1-10-40 ha), 635.08 Bighas (53-56-40 ha) having total mining area 54-66-80 ha |
| h) | Leases within 500 meter from the periphery of the area applied. | One mining lease exists within 500 meters.
1. Guruwala having an area of 66-98-05 ha. |
| i) | Letter of Intent | LOI issued on 08.08.2016
(valid only for obtaining requisite clearance from competent authority) |
| j) | EMP Cost | Capital Cost: Rs. 33.0 lakhs; Recurring cost: Rs. 7.0 lakhs |
| k) | CER cost | Capital Cost: Rs. 5.20 lakhs; Recurring cost: Rs. 1.20 lakhs |

Online proposal for granting ToR was submitted on dated 22/12/2018 and accepted by the SEIAA secretariat on dated 08/01/2019 and forwarded to SEAC secretariat. The SEAC secretariat further accepted the proposal on dated 08/01/2019 for technical appraisal by the SEAC.

The proposed project is extraction of Sand, Stone & Bajri. As proposed the lease is situated in the Bhangani (Yamuna river). The case was transferred from MoEF&CC on dated 12.10.2018 to SEIAA as per the notification issued vide SO No. 3977 (E) dated 14th August, 2018 by MoEF&CC stating that the cases below 100 ha falls in Category-B project. Therefore, the project proponent has applied for TOR's.

The project proponent has submitted form-1, letter of Intent dated 08.08.2016, land revenue records, distance certificate from State Geologist dated 09.02.2017, letter from Village revenue Officer dated 19.01.2017, approved mining plan dated 30.01.2018, joint inspection report dated 16.10.2015, site photographs etc.

The case was appraised by the SEAC in 62nd Meeting, where in the Committee, approved the ToR proposed as per standard conditions laid down by the MoEF&CC and with the following additional ToRs:

- The project proponent shall also assess the air quality of the area using Air Quality Models.
- The project proponent shall assess and provide comprehensive details of muck disposal in the final EIA/ EMP report.
- The project proponent shall provide details of labour, its management.
- The project proponent shall assess the erosion of river banks, details of bank to bank width, map the river course, bank plan, measurements for stabilization of river banks.
- The traffic/ vehicle flux assessment shall be included in the EIA/ EMP.
- The project proponent may use baseline data for EIA/ EMP reports from already formulated EIA/ EMP as per the provision of EIA notification 2006 with prior consent of the respective proponent and his undertaking to be submitted to the SEAC.
- The project proponent shall include plantation of *Shorea robusta*/ (maljhum/sal) species in the EIA/ EMP.

- The project proponent shall include provision to provide one bio-toilet & one patta making machine in village school and Panchayat respectively in the EIA/ EMP.
- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: eiapseiaa@gmail.com indicating online proposal number.

Online proposal for granting Environment Clearance was submitted on dated 10/08/2019 and accepted by the SEIAA secretariat on dated 02/09/2019 and forwarded to SEAC secretariat. The SEAC secretariat further accepted the proposal for technical appraisal by the SEAC.

The project proponent vide letter no. nil dated 30.07.2019 submitted the final EIA/EMP report for further appraisal and approval for grant of Environment Clearance.

The case was appraised by SEAC in its 67th Meeting. The SEAC deliberated upon EIA/EMP report submitted by the project proponent and examined the proceedings of public hearing, video film. It was observed by the SEAC that the required process has been followed to complete the work, the action plan with budget provisions for different issues have been included in EIA report as per requirement. The PP made the presentation on EIA report and explained the point wise ToR and action taken thereof. The project proponent could not explain or place on record any document for substantiating the actions, reports, plan, prepared w.r.t. additional ToRs recommended by the SEAC for carrying out the EIA. The SEAC after deliberating observed that the case may be listed in the next meeting after compliance to the following conditions:

1. The project proponent shall submit the muck disposal plan clearly showing the requisite land on map with Khasra number for safe disposal of the muck silt clay.
2. The project proponent shall submit the details of labour and its logistic arrangement on site viz. toilets, kitchen, health etc.
3. The project proponent shall submit the details, report w.r.t. erosion of river banks details of bank to bank width, bank stabilization.
4. The project proponent shall submit the detailed plantation plan depicting the land area earmarked for plantation purposes.
5. The project proponent shall also submit the water balance sheet.
6. The project proponent shall submit undertaking showing the location of septic tank-soak pit with khasra numbers.

2.5 Sh. Jitendra Kapoor, S/o Sh. Subash Chand Kapoor, Village-Dahabu, P.O. Sidhyani, Tehsil-Balh, District-Mandi, Himachal Pradesh.

Brief outline of the project:

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| a) Proposal No. | SIA/HP/MIN/39739/2019 dated 20.07.2019
HP SEIAA/2019-647 |
| b) Project type | Extraction of cut stone. |
| c) Project Location | Khasra number 721/408 & 723/409 falling in Mauza & Mauza-Ghyun, Sub-Tehsil-Rewalsar, District-Mandi, H.P. |
| d) Jamabandi | Jamabandi for the year 2011-2012 |
| e) Land Status | land in the name of Smt. Gulabi Devi, leased land. |
| f) Capacity | 7,836 Tonnes per year. |
| g) Mining Area | 0.3210 ha, 03-19-07 Bighas (Private land, hill slope) |
| h) Leases within 500 meter from the periphery of the area applied. | No mining leases exist within 500 meters. |
| i) Letter of Intent | LOI issued on 28.01.2019
(valid up to 27.01.2020) |
| j) EMP Cost | Capital Cost: Rs. 0.75 lakhs; Recurring cost: Rs. 7.5 lakhs |
| k) CER cost | Capital Cost: Rs. 0.90 lakhs |

Online proposal for granting Environment Clearance was submitted on dated 20/07/2019 and accepted by the SEIAA secretariat on dated 31/08/2019 and forwarded to SEAC secretariat. The SEAC secretariat further accepted the proposal for technical appraisal by the SEAC.

The proposed project is extraction of cut Stone. As proposed the lease area is part of hill slope. As proposed the mining of cut stone will be carried out manually and will be carried out only during the day time.

The project proponent has submitted hard copy of application on 03.08.2019. The project proponent has submitted Form-1, buffer maps, geological plans, letter of Intent for mining of minerals issued by Director of Industries dated 28.01.2019, (valid for a period of one year), jamanbandi for the year 2011-2012, letter from Mining Officer regarding available mining leases with in 500 meter radius dated 26.06.2019, site photographs, approved mining plan issued by Industry Department dated 26.06.2019, joint inspection report dated 28.11.2018, letter from I&PH Department regarding water availability dated 12.07.2019, NOC from Gram Panchayat Samlaun dated 12.07.2019 & 29.01.2019, certificate from H.P. Forest Department dated 11.02.2019 regarding list of flora and fauna of the concerned area, affidavit regarding CER activities, base line environmental data of air quality, water quality and noise levels.

The case was appraised by SEAC in its 67th Meeting. After deliberating on the information submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I and with following additional conditions:

- 1) The project proponent shall submit the original copy of Jamabandi duly countersigned by the Revenue Officer/ Patwari.
- 2) The project proponent shall provide one Pattal & Duna making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional dona/pattal makers in the district for forming Self Help Group & shall provide a machine as part CER activity under CER. The PP shall also impart trainings for operating the machine as part CER activity.

2.6 Smt. Rachya Devi, W/o Sh. Roshan Lal, Village & Post Office Kunr, Tehsil & District-Chamba, Himachal Pradesh.

Brief outline of the project:

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| a) | Proposal no. | SIA/HP/MIN/34172/2019
HP SEIAA/2019-623 |
| b) | Project type | Extraction of slates. |
| c) | Project Location | Khasra number 3026/2939/2 falling in Mauza/Mohal Kunr, Tehsil & District-Chamba, Himachal Pradesh (as per Jamabandi year 2011-12) |
| d) | Capacity | 1,840 TPA |
| e) | Mining Area | 2-14 Bigha, 0-21-85 hectare, Govt. land, hill slope. |
| f) | Jamabandi | 2011-2012 |
| g) | Land Status | Govt. Land |
| h) | Leases with in 500 meter from the periphery of the area applied. | One another mining lease exist within 500 meters
1. Sh. Prakash Chand, in khasra no. 3026/2939/1 (0.414 ha) |
| i) | Letter of Intent | LOI issued on dated 01.06.2015, Extension of LOI issued on 01.08.2019 (valid up from 01.06.2019 to 31.05.2020) |
| j) | EMP Cost | Capital Cost: Rs. 3.6 lakhs; Recurring cost: Rs. 2.65 lakhs PA |
| k) | CER cost | Capital Cost: Rs. 0.80 lakhs; Recurring cost: Rs. 0.20 lakhs PA |

The online proposal for granting Environment Clearance submitted on dated 3/4/2019 accepted by SEIAA secretariat on dated 5/4/19 and forwarded to SEAC secretariat. The SEAC secretariat further accepted the proposal on dated 3/7/19 after scrutinizing the hard copy submitted by the PP on dated 24.4.2019 for technical appraisal by the SEAC.

The proposal is for hill slope mining of slate. The extracted slate will be collected in its existing form. The mining operations will be carried out manually.

The project proposal contains form-1, extension of letter of Intent for mining of minerals issued by Director of Industries, dated 01.08.2019 valid upto 31/5/2020, letter from Mining Officer regarding available mining leases with in 500 meter radius dated 20.08.2015, letter from State Geologist regarding distance certificate dated 15.06.2016, joint inspection report dated 21.03.2012, approved mining plan issued by Industry Department HP dated 17.07.2015, buffer map of proposed site, NOC for water supply from Gram Panchayat concerned, NOC from Gram Panchayat Kunr regarding use of water for sprinkling dated 02.04.2019, a copy of letter dated 10.09.2018 regarding diversion of Forest land from Joint Secretary (Forest), Govt. of HP, NOC from Secretary, Gram Panchayat regarding extraction of slates, base line environmental data of air quality, water quality and noise level along with site photographs, affidavit regarding CER activities along with site photographs.

The case was appraised by SEAC in 66th meeting, where in it was decided the case may be listed in next meeting after compliance of the following observations:

- 1) *The project proponent shall re-submit valid of Letter of Intent from Industry Department.*
- 2) *The project proponent shall re-submit the 500 meter distance certificate from mining site duly approved by the Mining Officer and countersigned by State Geologist, HP Industries Department.*
- 3) *The project proponent shall submit the NOC from I&PH Department regarding use and availability of water, with quantity of water required for mining activities.*
- 4) *The project proponent shall submit video film of mining site.*
- 5) *The project proponent shall provide one Pattal & Duna making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional dona/pattal makers in the district for forming Self Help Group & shall provide a machine as part CER activity. The PP shall also impart trainings for operating the machine as part CER activity.*

After receiving the compliance from the project proponent vide letter no. nil dated 02.08.2019 the case was placed before the SEAC for appraisal.

The case was appraised by SEAC in its 67th Meeting. The SEAC examined all the documents w.r.t. above observations and found them in order. After deliberating on the information submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I and with following additional conditions:

- 1) The project proponent shall submit the original copy of Jamabandi duly countersigned by the Revenue Officer/ Patwari.
- 2) The project proponent shall provide one Pattal & Duna making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional dona/pattal makers in the district for forming Self Help Group & shall provide a machine as part CER activity under CER. The PP shall also impart trainings for operating the machine as part CER activity.
- 3) The project proponent shall submit report w.r.t findings of the replenishment study of the mining area within one year of time from the operationalization of mining.

2.7 **Sh. Anil Chauhan, Prop. M/s King Stone Mine & Minerals, The Alfesco, Mashobra, Tehsil & District-Shimla, H.P.**

Brief outline of the project:

- | | | |
|----|---|---|
| a) | Proposal No. | SIA/HP/MIN/92743/2019
HP SEIAA/2019/604 |
| b) | Project type | Extraction of Stone |
| c) | Project Location | Khasra number 819/733/529/2 (57-16 bighas), 736/534/1 (3-13 bighas), 736/534/1 (3-13 bighas), 818/733/529/1 (15-00 bighas) falling in Mauza-Dhillon, Tehsil-Pachhad, District-Sirmaur, H.P. |
| d) | Capacity | 1,50,000 TPA |
| e) | Mining Area | 76-09 Bighas, 5.4442 ha private land (Hill slope) |
| f) | Jamabandi | 2012-2013 |
| g) | Land Status | Leased land |
| h) | Leases within 500 meter from the periphery of the area applied. | No mining lease exist within 500 meters |
| i) | Letter of Intent | LOI issued on dated 17.09.2018, (one years) (valid up from 17.09.2018 to 16.07.2019) |
| j) | EMP Cost | Capital Cost: Rs. 5.00 lakhs; Recurring cost: Rs. 3.00 lakhs /yr |
| k) | CER cost | Capital Cost: Rs. 1.00 lakhs; Recurring cost: Rs. 0.50 lakhs/yr |

The online proposal for granting Environment Clearance submitted on dated 24/01/2019 accepted by SEIAA secretariat on dated 01/02/2019 and forwarded to SEAC secretariat. The SEAC secretariat further accepted the proposal on dated 17/02/2019 after scrutinizing the hard copy submitted by the PP on dated 31.01.2019 for technical appraisal by the SEAC.

The proposed project is extraction of Stone. The project proponent has proposed that the lease area is a part of hill slope. The mining will be done manually.

The project proponent has submitted hard copy of application on 31.01.2019, which was submitted through online portal on dated 24.01.2019. The project proponent has submitted Form-1, maps of the project area, letter of Intent for mining of minerals issued by Director of Industries, dated 07.09.2018, land revenue records, approved mining plan issued by Industry Department HP dated 01.11.2018, cross sections of the project site at appropriate intervals in case of riverbed mining showing banks, affidavit regarding CER activities, affidavit regarding plantation by project proponent, affidavit regarding water availability, joint inspection report dated 15.09.2017, NOC from Gram Panchayat Bani Bakholi dated 12.05.2017, No objection report from PWD Department, Certificate from H.P. Forest Department regarding list of flora and fauna of the concerned area and list of fast growing species, base line environmental data of air quality, water quality and noise level along with site photographs.

The proposal was examined as per provisions and directions envisaged under O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 vide which the compliance to Hon'ble National Green Tribunal orders has been solicited and the respective State Government, State Level Environment Impact Assessment Authority (SEIAA) have been directed to ensure compliance to the directions of Hon'ble National Green Tribunal order dated 13th September, 2018 in O.A. No. 186 of 2016 (Satendra Pandey Vs Ministry of Environment, Forest & Climate Change & Anr.), where in compliance to the directions the case's being more than the 5 ha is appraised by the respective State Environment Impact Assessment Authority (SEIAA)/State Expert Appraisal Committee (SEAC) of the State with EIA & EMP.

The case was appraised by SEAC in 63rd Meeting, where in the case application was recommended for grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I with the additional specific conditions as under:

- The project proponent shall plant 100 trees of *Shorea robusta*/ (maljhum/sal) species.
- The project proponent shall include & provide Pattaal & Duna making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional dona/pattaal makers in the district for forming Self Help Group & shall provide a machine as part CER activity. The PP shall also impart trainings for operating the machine as part CER activity.
- The project proponent shall ensure to submit area of mining site in KML file format on e-mail id: hpseiaashimla@gmail.com indicating online proposal number.
- Water taken having mist generator cannon attachment for dust suppression shall be proposed and used.
- The Geology Wing of Department of Industry, HP, shall ensure the width & orientation of benches clearly before start of mining operation.
- The Geology Wing of Department of Industry, HP, shall ensure the layout of haul road/ approach road to the mining site clearly w.r.t. its gradient and length before issuing the grant order.
- The project proponent shall do the metaling of the approach road of 2.00 km before start of mining activities.

Then the case was listed in 41st meeting of HP SEIAA, where after deliberating on the recommendations of SEAC, the Authority approved the grant of Environment Clearance in favour of the Unit stipulating the conditions recommended by the SEAC, subject to the condition that before issuing the Environment Clearance letter the Member Secretary, (SEIAA) shall obtain following clarification on O.M. no. L-11011/175/2018-IA-II(M) dated 12.12.2018 issued by the MoEF&CC, GoI regarding compliance to Hon'ble National Green Tribunal orders dated 13th September, 2018:

- a) That whether the cases of capacity between 5 - 25 hectares shall have to prepare only EIA and EMP or the public consultation is also to be conducted in these cases or decision in this regard is taken by SEAC. In such cases too whether the SEIAA shall wait for issue of notification by the MoEF&CC or start entertaining, processing and granting Environment Clearance
- b) In case public consultation is required the Member Secretary (SEIAA) is authorized to issue the Standard ToR for EIA & subsequent public consultation.

The matter was again reconsidered in 42nd meeting of SEIAA, where in it was observed that prior to the delegation of powers to DEIAA/DEAC the SEIAA/SEAC was competent to grant Environment Clearance/ Appraise the cases which were entrusted to the district Authorities in 2016. The Hon'ble NGT has passed the orders to withdraw the powers delegated to DEIAA/DEAC and also imposed additional condition of public consultation in cases ~ 5 Hectares. Therefore, in view of above the SEIAA decided that:

"the Public Hearing in these cases having an area ~ 5 hectares including cluster cases may also be got conducted as per standard procedure. After receipt of report of public hearing the cases may be placed before the SEAC."

Accordingly the project proponent was informed about the decision of SEIAA taken in its 42nd meeting vide letter number HP SEIAA-2019-604 dated 02.05.2019. The project proponent after preparing EIA/EMP reports as per standard TOR's and having completing the process of conducting public hearing as per procedure of EIA Notification submitted the final EIA/EMP report incorporating the recommendation as per the proceeding of public hearing for issuance of Environment Clearance.

The public hearing proceeding have been forwarded by Director, DEST vide letter No. Env.,S&T/M/sKingstoneMine&Mineral-2866 dated 31/8/2019. The SEAC examined the proceedings of public hearing and watched the videography of public hearing. The SEAC also

examined the mitigation plan viz-a-viz the revised Environment Management Plan submitted by the project proponent.

The case was appraised by SEAC in its 67th Meeting. The SEAC deliberated upon EIA/EMP report submitted by the project proponent and examined the proceedings of public hearing, video film. It was observed by the SEAC that the required process has been followed to complete the work, the action plan with budget provisions for different issues have been included in EIA report as per requirement. The PP made the presentation on EIA report and explained the point wise ToR and action taken thereof. After deliberating on the information submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I and with following additional conditions:

- 1) The project proponent shall allocate separate fund for plantation of 500 trees with capital cost of Rs. 0.20 lacks and recurring cost of Rs. 0.60 lakhs.
- 2) The project proponent shall allocate Rs. 1.0 lakhs every year to maintain local bawari.
- 3) The project proponent shall provide employment to at least 30 local people.
- 4) The project proponent adhere to the waste management plan that the waste generated shall be dumped at places mentioned in the approved mining plan and top soil shall be utilized in the periphery of crusher site for plantation.
- 5) The project proponent shall construct total 5 number of retaining wall of 15 meters length to protect area from rolling debris and Rs. 1.0 lakhs shall be allocated for the purpose.
- 6) The project proponent shall provide one Pattal & Duna making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional dona/pattal makers in the district for forming Self Help Group & shall provide a machine as part CER activity under CER. The PP shall also impart trainings for operating the machine as part CER activity.

2.8 Sh. Umesh Kumar, S/o Sh. Ravinder Kumar, VPO-Santoshgarh, Tehsil & District-Una, H.P.

Brief outline of the project:

- | | | |
|----|--|---|
| a) | Proposal No. | SIA/HP/MIN/36298-2019
HP SEIAA/2019-634 |
| b) | Project type | Extraction of Sand & Bajri. |
| c) | Project Location | Khasra number 45 (1-93-45 ha), 31(0-81-90 ha), 45/1(0-59-80 ha) falling in Mauza-Jatpur Upmohal Jatpur Swan, Tehsil & District-Una, H.P. (as per Jamabandi year 2014) |
| d) | Capacity | 67,030 TPA |
| e) | Mining Area | 03-35-15 ha. (Private Land) |
| f) | Jamabandi | 2014-2015 |
| g) | Land Status | Leased land (Land in name of Sh. Ram Lal) |
| h) | Leases with in 500 meter from the periphery of the area applied. | No mining lease exist within 500 meters |
| i) | Letter of Intent | LOI issued dated 27.04.2018, Extension LOI issued on dated 20.07.2019, (one year)
(valid up from 24.07.2019 to 26.04.2020) |
| j) | EMP Cost | Capital Cost: Rs. 0.5 lakhs; Recurring cost: Rs. 1.3 lakhs, PA |
| k) | CER cost | Capital Cost: Rs. 2.5 lakhs |

The online proposal for granting Environment Clearance submitted on dated 16/5/2019 accepted by SEIAA secretariat on dated 30/5/19 and forwarded to SEAC secretariat. The SEAC secretariat

further accepted the proposal on dated 3/7/19 after scrutinizing the hard copy submitted by the PP on dated 11.6.2019 for technical appraisal by the SEAC.

The proposal is for extraction of sand and bajri. The mining will be carried out only up to depth of 1 m (3 feet) depth, using hand tools like shovels, pan etc. only during the day time.

The project proposal contains form-1, land revenue records, letter of Intent for mining of minerals issued by Director of Industries, dated 27.04.2018 valid upto 26/4/19, letter from Mining Officer regarding available mining leases with in 500 meter radius dated 20.02.2019, joint inspection report dated 04.09.2015, affidavit by project proponent regarding water availability, affidavit by project proponent regarding CER activities, base line environmental data of air quality, water quality and noise level along with site photographs, NOC from Nagar Panchayat Santoshgarh dated 26.08.2017, approved mining plan issued by Industry Department HP dated 14.09.2018, cross sections of the area etc.

The case was appraised by SEAC in 66th meeting, where in it was decided that the case be listed in next meeting after compliance of the following observations:

- 1) *The project proponent shall submit valid Letter of Intent issued by the Industry Department Himachal Pradesh.*
- 2) *The project proponent shall submit the map/plan showing exact route of road towards mining site.*
- 3) *The project proponent shall submit video film of mining site.*
- 4) *The project proponent shall submit NOC from Ground Water Authority to use water for mining purpose.*
- 5) *The project proponent shall submit revised EMP & CER activities and include one Pattal & Duna making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional dona/pattal makers in the district for forming Self Help Group & shall provide a machine as part CER activity. The PP shall also impart trainings for operating the machine as part CER activity.*
- 6) *The project proponent shall submit report w.r.t findings of the replenishment study of the mining area within one year of time from the operationalization of mining.*

The project proponent vide latter no. nil dated 26.06.2019 & 20.07.2019 submitted the compliance to the office of HP SEIAA for further necessary action.


The case was appraised by SEAC in its 67th Meeting. The SEAC examined all the documents w.r.t. above observations and found them in order. After deliberating on the information submitted and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I and with following additional conditions:

- 1) **The project proponent shall submit the original copy of Jamabandi duly countersigned by the Revenue Officer/ Patwari.**
- 2) **The project proponent shall provide one Pattal & Duna making machines in consultation with Department of Environment, Science & Technology, Shimla & provide trainings to the local Mahila Mandal/ Self Help Group or identify, adopt existing traditional dona/pattal makers in the district for forming Self Help Group & shall provide a machine as part CER activity under CER. The PP shall also impart trainings for operating the machine as part CER activity.**
- 3) **The project proponent shall submit report w.r.t findings of the replenishment study of the mining area within one year of time from the operationalization of mining.**

ITEM NO. 3

While examining the feasibility reports, mining cum environment management plan of mining projects furnished by the project proponents for seeking environment clearance, it was observed by the Members of the SEAC that there are gaps in various technical issues such as mapping of the area is not done under proper map scale to depict or comprehend the various aspects like survey stations, boundary & permanent pillar for future reference with height indicators, location of public basic amenities etc. The muck/silt/clay management plans are not properly explained. Method of mining invariably is written as manually but the size of the mining site viz-a-viz the labour proposed to be engaged, quality of material to be excavated per day are not given rationally. Transportation normally shown through tractors but the per day capacity of mining site and number of trips are not given in rational manner. The haul roads from mining site, approach road to the mining site are neither mentioned nor discussed. Invariably the cross-sections are not given in case of river bed mining. Therefore, the SEAC recommends to take up the matter with concerned authority i.e. State Geologist to ensure the quality of mining plans prior to their approval by the department, otherwise the SEAC will be constrained to either reject or refer back the mining plans in future. The State Geologist may also be requested to circulate these observation to all the R.Q.P. (Registered Qualified Persons to prepare mining plans) in the regard.


Secretary,
HP SEAC


(Dr. Ajai Bhandari)
Chairman, HPSEAC

Endst. No.: SEAC 67th Meeting /2019-

Dated

8/9/2019

Copy to following for information and further necessary action please:

1. The Member Secretary, State Level Environment Impact Assessment Authority, Himachal Pradesh, Shimla-1.
2. Case files of all projects, Guard file.

Note: Minutes of the Meeting are being hosted on the official website of SEIAA and all concerned shall download it for taking further necessary actions relevant to their project.


Secretary
Himachal Pradesh State Expert Appraisal Committee,
Shimla, Himachal Pradesh.

Mining Projects

A. Statutory Compliance

- 1 This Environmental Clearance (EC) is subject to orders/ judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
- 2 The Project proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.
- 3 The State Government concerned 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 Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
- 4 This Environmental Clearance shall become operational only after receiving formal NBWL Clearance from MoEF&CC subsequent to the recommendations of the Standing Committee of National Board for Wildlife, if applicable to the Project.
- 5 This Environmental Clearance shall become operational only after receiving formal Forest Clearance (FC) under the provision of Forest Conservation Act, 1980, if applicable to the Project.
- 6 Project Proponent (PP) shall obtain Consent to Operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish / Consent to Operate from the concerned State Pollution Control Board/Committee.
- 7 The PP shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 2015 and rules & regulations made there under. PP shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.
- 8 The Project Proponent shall obtain consents from all the concerned land owners, before start of mining operations, as per the provisions of MMDR Act, 1957 and rules made there under in respect of lands which are not owned by it.
- 9 The Project Proponent shall follow the mitigation measures provided in MoEFCC's Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled —Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area.
- 10 The Project Proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and from CGWA for withdrawal of ground water for the project.
- 11 A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
- 12 State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector's office/ Tehsildar's Office for 30 days.
- 13 The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. 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.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
- 14 The Project Proponent shall inform the SEIAA 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

15. 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, PM2.5, NO₂, CO₂ and SO₂ etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/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.
16. 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

- 17 In case, immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case, mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
- 18 Regular monitoring of 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 & SEIAA
- 19 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.
- 20 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 Regional Office, MOEFCC, SEIAA, 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.

21. 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-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard.
22. Project Proponent shall plan, develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water Board/ State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional Office MoEFCC & SEIAA annually.
23. 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.
24. 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, SEIAA and State Pollution Control Board/Committee.

D. Noise and vibration monitoring and prevention

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

28. 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 i.e. quantum of mineral, waste, over burden, inter burden and top soil etc. 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 not be carried out without prior approval of the SEIAA, 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.
29. 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 & SEIAA for record and verification.

30. 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 concerned Regional Office, MoEFCC & SEIAA.

F. Land reclamation

31. 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.
32. 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.
33. The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum Progressive Mine Closure Plan.
34. 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/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.
35. The Project Proponent shall carry out slope stability study in case the dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC & SEIAA.
36. Catch drains, settling tanks and siltation 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 maintained properly.
37. Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments/ silt material. The sedimentation pits/ sumps shall be constructed at the corners of the garland drains.
38. The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The physical parameters of the top soil dumps like height, width and angle of slope shall be governed as per the approved Mining Plan and as per the guidelines framed by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of dumps. The topsoil shall be used for land reclamation and plantation purpose.

G. Transportation

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

41. The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the SEIAA irrespective of the stipulation made in approved mine plan.
42. The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
43. The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.
44. The Project Proponent shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Govt.
45. And implemented in consultation with the State Forest and Wildlife Department. A copy of Wildlife Conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry & SEIAA

I. Public hearing and human health issues

46. The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained 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, SEIAA and DGMS on half-yearly basis.

47. The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighbourhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV, Anaemia, Diarrhoea in children under five, respiratory infections due to bio mass cooking. The proponent shall also create awareness and educate the nearby community and workers for Sanitation, Personal Hygiene, Hand washing, not to defecate in open, Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line HRA for all the category of workers and thereafter every five years.
48. The Proponent shall carry out Occupational health surveillance which be a part of HRA and include Biological Monitoring where practical and feasible, and the tests and investigations relevant to the exposure (e.g. for Dust a X-Ray chest; For Noise Audiometric; for Lead Exposure Blood Lead, For Welders Full Ophthalmologic Assessment; for Manganese Miners a complete Neurological Assessment by a Certified Neurologist, and Manganese (Mn) Estimation in Blood; For Inorganic Chromium- Fortnightly skin inspection of hands and forearms by a responsible person. Except routine tests all tests would be carried out in a Lab accredited by NABH. Records of Health Surveillance must be kept for 30 years, including the results of and the records of Physical examination and tests. The record of exposure due to materials like Asbestos, Hard Rock Mining, Silica, Gold, Kaolin, Aluminium, Iron, Manganese, Chromium, Lead, Uranium need to be handed over to the Mining Department of the State in case the life of the mine is less than 30 years. It would be obligatory for the State Mines Departments to make arrangements for the safe and secure storage of the records including X-Ray. Only conventional X-Ray will be accepted for record purposes and not the digital one). X-Ray must meet ILO criteria (17 × 14 inches and of good quality).
49. The Proponent shall maintained 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 & SEIAA annually along with details of the relief and compensation paid to workers having above indications.
50. The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
51. Project Proponent shall make provision for the housing for workers/labours or shall construct labour camps within/outside (company owned land) with necessary basic infrastructure/ facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.
52. The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing 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, SEIAA along with District Administration.

J. Corporate Environment Responsibility (CER)

53. The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M No 22-65/2017-IA. II (M) dated 01.05.2018 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 & SEIAA annually along with audited statement.
54. Project Proponent shall keep the funds earmarked for environmental protection measures in a separate account and refrain from diverting the same for other purposes. The Year wise expenditure of such funds should be reported to the MoEFCC and its concerned Regional Office & SEIAA.

K. Miscellaneous

55. The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEFCC & SEIAA
56. The Project Authorities should inform to the Regional Office & SEIAA regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
57. The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, SEIAA, Central Pollution Control Board and State Pollution Control Board.
58. A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEFCC & SEIAA.
59. The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) & competent Authority by furnishing the requisite data / information / mo.