



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-VII-

Dated: ,2020

MINUTES OF THE 71st MEETING OF THE STATE EXPERT APPRAISAL COMMITTEE HELD IN CONFERENCE HALL, DEPARTMENT OF ENVIRONMENT, SCIENCE & TECHNOLOGY, SHIMLA, ON 18th JANUARY, 2020.

The 71st meeting of State Expert Appraisal Committee for appraisal of the Project proposals received for Environmental Clearance was held on 18th January, 2020 in the Conference Hall of Department of Environment, Science & Technology, Shimla. The following were present in the meeting:

Sr. No.	Name	Designation	18.01.2020
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.	Sh. Parveen Gupta, Addl. Director, DEST	Secretary	✓

The agenda item wise deliberations are as under:

ITEM NO. 1:

The decisions of the 70th meeting of SEAC held on dated 27th & 28th December, 2019 discussed and confirmed.

Committee observed that it was decided in 70th Meeting of SEAC that the site inspection of project site of Sh. Ravinder Kumar Gupta, Village Jauni Ropa, PO Neoli, Tehsil & Distt. Kullu, HP shall be conducted in the 2nd week of January, 2020. But, due to administrative reasons the site inspection could not be conducted. Therefore, it was decided that the the site inspection shall be conducted in the month of February, 2020 by the Committee Member Dr. Kulraj Kapoor accompanied by concerned Mining Officer & representative of DEST.

ITEM NO. 2: Appraisal of cases for EC.

2.1 Sh. Sher Singh, S/o Sh. Nandu Ram, M/s Chaturbhujia Screening Plant, Village & Post Office-Hurla, Tehsil-Bhunter, District-Kullu, Himachal Pradesh.

Brief outline of the project:

a)	Proposal No.	SIA/HP/MIN/44476/2019 dated 16.10.2019 HP SEIAA/2019-662
b)	Project type	Extraction of Sand/Stone.
c)	Project Location	Khasra number 4334, 4412, 4337 & 4585/2320 falling in Mauza & Mohal-Bhallan Rot, Tehsil-Bhunter, District-Kullu, H.P.
d)	Jamabandi	2016-2017
e)	Land Status	Self owned
f)	Capacity	87,885 MT for the leased period of 5 year.
g)	Mining Area	08-13 Bighas, 01-30-53 ha, Pvt. Land, hill slope
h)	Leases with in 500 meter	One mining lease exists.

	from the periphery of the area applied.	Khasra number 4217/2266 and 4218/2266 falling in Mauza & Mohal-Bhallan Rot-II, Tehsil-Bhunter, District-Kullu, H.P.
i)	Letter of Intent	Extension of LoI dated 03.10.2019, valid for one year (valid from 12.03.2019 to 11.03.2020)
j)	EMP Cost	Capital Cost: Rs. 9.65 lakhs; Recurring cost: Rs. 1.15 lakhs
k)	CER cost	Capital Cost: Rs. 2.75 lakhs; Recurring cost: Rs. 0.70 lakhs

As proposed the project is extraction of Sand/Stone. As proposed the mining of stone will be done on the hill slope. The mining will be done manually and semi mechanized way.

The Proposed project has submitted proposal hard copy on 21.10.2019 and through online on dated 16.10.2019. The project proponent submitted form-1, pre-feasibility report, buffer maps, extension of letter of Intent from State Geologist dated 03.10.2019, approved mining plan from State Geologist dated 03.06.2019, distance certificate issued by State Geologist dated 04.10.2019, NOC from Gram Panchayat Rot, Kullu, affidavit by project proponent regarding dumping of waste material and water availability, land papers, base line environmental data of air quality, water quality and noise levels along with site photographs.

After deliberating on the information submitted by the project proponent 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 revise the vegetation plan with bio-engineering to rehabilitate the mining site with provisions of additional cost estimates.
- 2) The project proponent shall register and obtain the NOC/ registration of existing bore well and Ground Water Act 2005 from CGW authority and shall submit a copy of registration to SEIAA.
- 3) The project proponent shall supply one Pattal & Duna making machines through 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 under CER. The PP shall also impart trainings for operating the machine as part CER activity as per direction of the committee.

2.2 Smt. Roshni Devi, late Sh. Hukam Ram, Prop. M/s Thakur Ruhani Stone Crusher, Village-Nayagram, PO-Jhajra, Tehsil-Nalagarh, District-Solan, H.P.

Brief outline of the project:

a)	Proposal No.	SIA/HP/MIN/41104/2019 HP SEIAA/2019-649
b)	Project type	Extraction/collection of Sand, Stone & Bajri
c)	Project Location	Khasra number 353, 354, 355, 356, 358, 359 & 360 falling in Mauza -Deoli, Tehsil-Nalagarh, District-Solan, H.P.
d)	Jamabandi	Jamabandi for the year 2014-2015
e)	Land Status	Leased land
f)	Capacity	43,300 Tonnes per year.
g)	Mining Area	2.9799 ha, 39-12 Bigha (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 16.08.2018, extension of LOI issued and (valid up to 15.08.2020).
j)	EMP Cost	Capital Cost: Rs. 0.75 lakhs; Recurring cost: Rs. 7.5 lakhs
k)	CER cost	Capital Cost: Rs.0.90 lakhs

As proposed the entire stretch of mining lease area is Private land which is a hill slope mining project. The mining will be carried out in semi-mechanized way and JCB will be used only for loading of minerals.

The Proposed project has submitted report on 22.08.2018 and online on dated 13.08.2019 The project proponent has submitted form-1, pre-feasibility report, buffer maps, evacuation route map, extension of letter of Intent dated 30.07.2019, jamabandi for the year 2014-2015, letter from Mining Officer regarding available mining leases with in 500 meter radius, joint inspection report dated 10.04.2018, NOC from Gram Pachayat -Karsoli, affidavit regarding CER activities, approval of Mining Plan dated 01.02.2019, NOC from I&PH Department dated 10.07.2019, lease deed agreement documents, letter from DFO regarding list of flora and fauna, base line environmental data of air quality, water quality and noise levels along with site photographs etc.

The case was appraised by the SEAC in its 71st Meeting. The project proponent did not appear before the Committee, therefore, the Committee decided to defer the case.

2.3 Sh. Ram Sawroop, S/o Sh. Amar Chand, Prop. M/s Changer Stone Crusher, Village-Androla Uperla, P.O. Panjehra, Tehsil-Nalagarh, District-Solan, H.P.

Brief outline of the project:

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|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| a) Proposal No. | SIA/HP/MIN/41077/2019
HP SEIAA/2019-650 |
| b) Project type | Extraction/collection of Sand, Stone & Bajri |
| c) Project Location | Khasra number 112/104/9 & 8 falling in Mauza -Palasra Kalu, Tehsil-Nalagarh, District-Solan, H.P. |
| d) Jamabandi | Jamabandi for the year 2013-2014 |
| e) Land Status | Leased land |
| f) Capacity | 52,915 Tonnes per year. |
| g) Mining Area | 1.0949 ha, 14-11 Bigha (Private land, hill slope) |
| h) Leases with in 500 meter from the periphery of the area applied. | No mining leases exist within 500 meters. |
| i) Letter of Intent | LOI issued on 01.08.2018, extension of LOI issued on dated 05.08.2019 and (valid up to 31.07.2020) |
| j) EMP Cost | Capital Cost: Rs. 0.75 lakhs; Recurring cost: Rs. 7.5 lakhs |
| k) CER cost | Capital Cost: Rs.0.90 lakhs |

As proposed the entire stretch of mining lease area is Private land which is a hill slope mining project. The mining will be carried out in semi-mechanized way and JCB will be used only for loading of minerals.

The Proposed project has submitted report on 22.08.2018 and online on dated 12.08.2019 The project proponent has submitted form-1, pre-feasibility report, buffer maps, evacuation route map, extension of letter of Intent dated 05.08.2019, jamabandi for the year 2013-2014, letter from Mining Officer regarding available mining leases with in 500 meter radius, joint inspection report dated 10.04.2018, NOC from Gram Panchayat Gol Jamala, affidavit regarding CER activities, approval of Mining Plan dated 21.01.2019, NOC from I&PH Department dated 10.07.2019, lease deed agreement documents, letter from DFO regarding list of flora and fauna dated 19.08.2019, site photographs etc.

The case was appraised by the SEAC in its 71st Meeting. The case was appraised by the SEAC in its 71st Meeting. The project proponent did not appear before the Committee, therefore, the Committee decided to defer the case.

Brief outline of the project:

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|----|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| a) | Proposal No. | SIA/HP/MIN/128254/2019 dated 03.12.2019
HP SEIAA/2019-678 |
| b) | Project type | Extraction of Sand. |
| c) | Project Location | Khasra number 130, 131 and 132 in falling in Mauza & Mohal-Deothi, Tehsil & District-Solan, H.P. |
| d) | Jamabandi | Jamabandi for the year 2015-2016 |
| e) | Land Status | Leased land, Agreement signed for lease. |
| f) | Capacity | 27,650 TPA |
| g) | Mining Area | 0.7304 ha, 9-13-00 Bighas, Pvt. Land, hill slope. |
| h) | Leases with in 500 meter from the periphery of the area applied. | There are two mining leases which are operative,
1. Sh. Devender Sharma, Deothi having area 07-16 Bighas
2. Sh. Hari Krishan Sharma, Deothi having area 06-11 Bighas |
| i) | Letter of Intent | LOI dated 08.03.2019 valid for one year
(valid up to 07.03.2020) |
| j) | EMP Cost | Capital Cost: Rs. 8.78 lakhs; Recurring cost: Rs. 2.31 lakhs PA |
| k) | CER cost | Capital Cost: Rs. 1.30 lakhs; Recurring Cost: Rs 18,000 PA |

The project is Extraction of Sand. As proposed mining activity is hill slope.

The project proponent submitted hard copy on 21.12.2019 and through online on dated 03.12.2019. The project proponent submitted form-1, pre-feasibility report, buffer maps, letter of Intent from State Geologist dated 08.03.2019, joint inspection report dated 25.02.2019, approved mining plan dated 03.09.2019, 500 meter distance certificate from State Geologist dated 05.10.2019, letter from Divisional Forest Officer Solan dated 04.10.2019 regarding list of flora and fauna and distance from wild life sanctuary along with list of fast growing species, NOC from Gram Panchayat Devthi dated 16.04.2018, affidavit regarding CER activities, base line environmental data of air quality, water quality and noise levels along with site photographs.

The case was appraised by the SEAC in its 71st Meeting. After deliberating on the information submitted and considering the facts placed before the Committee, the SEAC decided to list the case in next meeting after compliance to the following observations:

- 1) The project proponent shall submit lease agreement document of mining site.
- 2) The project proponent shall submit a report on impact of mining on surrounding vegetation and micro climate, water resources since the area is sensitive to agricultural seed production.
- 3) The project proponent shall submit an undertaking for not to cut the marked 16 number of trees located in the project site.
- 4) The project proponent shall revise the vegetation plan with bio-engineering to rehabilitate the mining site with provisions of additional cost estimates.
- 5) The project proponent shall submit mining site land slide vulnerability assessment report.
- 6) The project proponent shall submit the affidavit to provide one Pattal & Duna making machines through 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 under CER. The PP shall also impart trainings for operating the machine as part CER activity.

2.5 M/s Krishna Stone Crusher, Partners Sh. Arun Kumar & Naresh Kumar, Village-Tatchra, P.O.-Oel, Up-Tehsil-Gagret at Kaloh, District-Una, Himachal Pradesh.

Brief outline of the project:

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|----|--------------|-------------------------------------------------------------|
| a) | Proposal No. | SIA/HP/MIN/44452/2019 dated 17.10.2019
HP SEIAA/2019-661 |
|----|--------------|-------------------------------------------------------------|

b)	Project type	Extraction/collection of Sand, Stone & Bajri.
c)	Project Location	Khasra number 119 falling in Mauza & Mohal-Tatehra, Up-Tehsil-Gagret, Tehsil-Ghanari, District-Una, H.P.
d)	Jamabandi	Jamabandi for the year 2015-2016.
e)	Land Status	Leased land
f)	Capacity	2,66,413 MT for the leased period of 5 year.
g)	Mining Area	01-69-23 ha, Pvt. Land, hill slope
h)	Leases with in 500 meter from the periphery of the area applied.	No other mining lease exists.
i)	Letter of Intent	LOI dated 28.02.2019, valid for one year (valid up to 27.02.2020)
j)	EMP Cost	Capital Cost: Rs. 7.7 lakhs; Recurring cost: Rs. 1.15 lakhs
k)	CER cost	Capital Cost: Rs. 3.0 lakhs; Recurring cost: Rs. 1.0 lakhs

As proposed the project is extraction/collection of Sand, Stone & Bajri. The mining will be done manually and semi mechanized way.

The project proponent submitted hard copy of application on 21.10.2019 and through online on dated 17.10.2019. The project proponent has submitted form-1, pre-feasibility report, buffer maps, letter of Intent from State Geologist dated 28.02.2019, approved mining plan from State Geologist dated 09.09.2019, distance certificate issued by State Geologist dated 04.10.2019, joint inspection report dated 08.01.2019, NOC from Gram Panchayat Tatehra, Una, letter from Divisional Forest Officer, Una dated 28.06.2019 regarding list of flora and fauna, NOC from I&PH Department dated 25.06.2019 regarding use of water, affidavit regarding CSR activities, base line environmental data of air quality, water quality and noise levels along with site photographs.

The case was appraised by the SEAC in its 71st Meeting. After deliberating on the information submitted and considering the facts placed before the Committee, the SEAC decided to list the case in next meeting after compliance to the following conditions:

- 1) The project proponent shall revise the vegetation plan with bio-engineering to rehabilitate the mining site with provisions of additional cost estimates.
- 2) The project proponent shall submit mining site land slide vulnerability assessment report.
- 3) The project proponent shall submit affidavit to provide one Pattal & Duna making machines through 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 under CER. The PP shall also impart trainings for operating the machine as part CER activity.

2.6 Sh. Sher Singh, S/o Sh. Nandu Ram, M/s Chaturbhuja Screening Plant, Village-Tharass, P.O. Hurla, Tehsil-Bhunter, District-Kullu, H.P.

Brief outline of the project:

a)	Proposal No.	SIA/HP/MIN/44549/2019 dated 17.10.2019 HP SEIAA/2019-660
b)	Project type	Extraction of Stone/Sand.
c)	Project Location	Khasra number 4217/2266 and 4218/2266 falling in Mauza & Mohal-Bhallan Rot-II, Tehsil-Bhunter, District-Kullu, H.P.
d)	Jamabandi	2016-2017
e)	Land Status	Self owned
f)	Capacity	96,100 MT for the leased period of 5 year.
g)	Mining Area	0.5 ha, 6-14 Bighas, Pvt. Land
h)	Leases with in 500 meter	One another mining lease exist

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|----|-----------------------------------------|-----------------------------------------------------------------------------------------------|
| | from the periphery of the area applied. | 1. Sh. Sher Singh, Khasra number 4334, 4412, 4337 & 4585/2320 having an area of 08-13 Bighas. |
| i) | Letter of Intent | Extension of LOI dated 08.10.2019, valid for one year (valid from 13.03.2019 to 12.03.2020) |
| j) | EMP Cost | Capital Cost: Rs. 9.65 lakhs; Recurring cost: Rs. 1.75 lakhs |
| k) | CER cost | Capital Cost: Rs. 2.75 lakhs; Recurring cost: Rs. 0.70 lakhs |

As proposed the project is Extraction of Stone/Sand. As proposed the mining will be done on the hill slope. The mining will be done manually and semi mechanized way.

The project proponent has submitted hard copy of application on 21.10.2019 and through online on dated 17.10.2019. The project proponent submitted form-1, pre-feasibility report, buffer maps, letter of Intent from State Geologist dated 14.03.2018, approved mining plan from State Geologist dated 18.02.2019, distance certificate issued by State Geologist dated 04.10.2019, NOC from Gram Panchayat Rot dated 25.07.2015, affidavit regarding dumping of waste and water availability, base line environmental data of air quality, water quality and noise levels along with site photographs.

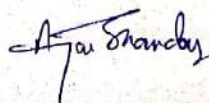
After deliberating on the information submitted by the project proponent and considering the facts placed before the committee, the SEAC recommended the case application for consideration of grant of environmental clearance by the SEIAA, subject to fulfillment of conditions annexed at Annexure-I and with following additional conditions:

- 1) The project proponent shall revise the vegetation plan with bio-engineering to rehabilitate the mining site with provisions of additional cost estimates.
- 2) The project proponent shall register and obtain the NOC/ registration of existing bore well and Ground Water Act 2005 from CGW authority and shall submit a copy of registration to SEIAA.
- 3) The project proponent shall supply one Pattal & Duna making machines through 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 under CER. The PP shall also impart trainings for operating the machine as part CER activity as per direction of the committee.

2.7 Sh. Ishwar Rohal, S/o Sh. Ram Krishan Rohal, Village-Goro, P.O. Shoghi, Tehsil & District-Shimla, H.P.

Brief outline of the project:

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|----|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| a) | Proposal No. | SIA/HP/MIN/40331/1900 dated 31.07.2019
HP SEIAA/2019-648 |
| b) | Project type | Extraction of stone. |
| c) | Project Location | Khasra number 4/10/2 falling in Mauza -Tikari, Tehsil & District-Shimla, H.P. |
| d) | Jamabandi | Jamabandi for the year 2011-2012 |
| e) | Land Status | Leased land, Lease Agreement date – 12/12/2017 |
| f) | Capacity | 13,335 Tonnes per year. |
| g) | Mining Area | 0-5798 ha, (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 11.05.2018, extension of LOI issued and (valid from 10.05.2019 to 09.05.2020) |
| j) | EMP Cost | Capital Cost: Rs. 2.15 lakhs; Recurring cost: Rs. 1.85 lakhs |
| k) | CER cost | Capital Cost: Rs. 1.25 lakhs; Recurring cost: Rs. 0.18 lakhs |

The online proposal for granting Environment Clearance submitted on dated 31/7/2019 accepted by SEIAA secretariat on dated 30/08/19 and forwarded to SEAC secretariat. The hard copy submitted by the PP on dated 19/08/2019 for technical appraisal by the SEAC.

The proposed project is extraction of Stone. As proposed the lease area is part of hill slope. As proposed the mining will be manual as well as semi mechanized in which the mined material will be collected in its existing form.

The project proponent has submitted hard copy of application on 19.08.2019 which was submitted through online portal on dated 31.07.2019. The project proponent has submitted Form-1, buffer maps, geological plans, letter of Intent for mining of minerals issued by Director of Industries dated 11.05.2018, (extension of LOI issued and is valid from 10.05.2019 to 09.05.2020), jamanbandi for the year 2011-2012, letter from Mining Officer regarding available mining leases with in 500 meter radius dated 25.03.2019, joint inspection report dated 15.03.2018, approved mining plan issued by Industry Department dated 30.11.2018, certificate from H.P. Forest Department dated 06.08.2018 regarding list of flora and fauna of the concerned area, NOC from Gram Panchayat Mulbari Devnagar dated 07.01.2018, NOC from I&PH Department, affidavit regarding CER activities, base line environmental data of air quality, water quality and noise levels along with site photographs.

The project proponent has submitted the documents to the observations of HP SEIAA Secretariat vide letter number nil dated 11.09.2019, accordingly the case was placed before SEAC for further appraisal.

The case was appraised by SEAC in its 68th Meeting dated 17-09-2019. After deliberating on the information submitted and considering the facts placed before the committee, the SEAC decided to list the case in next meeting after compliance to the following conditions:

- 1) *The Committee will conduct field visit to inspect the site to verify the facts of the proposed mining area and submit its report in order to ascertain physical situation of site viz-a-viz contents of power point presentation.*
- 2) *The project proponent shall submit the revised and detailed post reclamation for the mining area.*
- 3) *The project proponent shall submit muck management plan with Khasra numbers.*
- 4) *The project proponent shall provide one Pattal & Duna making machines as part of CER activity adding cost of Rs. 1.00 lakhs. The PP shall also include cost of Rs. 15000/- year for imparting trainings for operating the machine to self help groups.*
- 5) *The project proponent shall provide water filter/ purification system of required capacity to Government S.S. School Devnagar and for this purpose an amount of Rs. 25,000/- shall be provided und CER.*
- 6) *The project proponent shall adopt flood management with bio-engineering techniques.*

The committee visited the site on dated 30-12-2019 and submitted the report of site visit. And also the project proponent submitted the compliance report to the above observations on dated 03-10-2019.

The reply and report was placed before the committee in its meeting held on 18-01-2020. After deliberating upon the site inspection report and information submitted by the project proponent 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 ensure that the mining activities etc. shall not disturb the movement of vehicles or anyone on the existing HPPWD road and shall take adequate measures for it.**

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- 2) The project proponent shall ensure to prepare the alternative practically feasible mined material evacuation plan. He shall build the desired retaining wall along the road to hold the material before start of the mining activities in a manner that the bridge is completely safe from mining activities. The mining officer concerned shall submit a prior report w.r.t. same to the SEIAA.
- 3) 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 under CER. The PP shall also impart trainings for operating the machine as part CER activity.

Supplementary Items

2.8 Smt. Kalpana Devi, W/o Vijay Kumar, Prop. M/s Kathla Mata Stone Crusher, VPO. Tiara, Tehsil & District-Kangra, H.P. 176 208.

Brief outline of the project:

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| a) Proposal No. | SIA/HP/MIN/29469/2018 dated 08.10.2018 (TOR's)
SIA/HP/MIN/45772/2018 dated 04.11.2019 (EC)
HP SEIAA/2018/595 |
| b) Project type | Extraction of Sand, Stone & Bajri |
| c) Project Location | Khasra number 431/2 (New No. 476/431) and 432/7 (New No. 484/432) falling in Muaza-Jaisinghpur, Mohal Bag Kulja of Tehsil-Jaisinghpur, District-Kangra, H.P. |
| d) Capacity | 1,00,395 TPA |
| e) Mining Area | 08-73-22 hectare (Private land) along Beas river. |
| f) EMP Cost | Capital Cost: Rs. 5.0 lakhs; Recurring cost: Rs. 3.8 lakhs |
| g) CER cost | Capital Cost: Rs. 1.0 lakhs; Recurring cost: Rs. 0.06 lakhs |

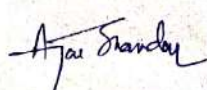
The proposed project is extraction of Sand, Stone & Bajri from river bed of Beas river passing through in Mohal Bag Kulja Mauja -Jaisinghpur, District-Kangra, H.P. The mining will be carried out only up to a depth of 1 m (3 feet) depth using hand tools like shovel, pan etc. The project proponent applied for issuance of TOR's.

Then the case was listed in 61st meeting of SEAC and standard TOR's were approved. Then the same was approved by HP SEIAA in its 40th meeting. Now project proponent has submitted the EIA/EMP report for grant of Environment Clearance.

The case was listed in 69th meeting of the SEAC. It was decided to defer the case in next meeting due to inadequate presence of members.

The case was again appraised by the SEAC in its 70th Meeting. After deliberating on the information submitted and considering the facts placed before the Committee, it was observed that the project proponent and the consultant has submitted the public hearing papers of some other project viz; of M/s. AC Stone Crusher, for which they also felt sorry and submitted that they will bring the correct documents in the next meeting. Considering the request of the project proponent the SEAC decided to list the case in next meeting after compliance to the following points:

1. The consultant was advised to present the case before the Committee with relevant facts, correct details in view of the fact that during presentation the proceeding of public hearing were presented related to another case of M/s. AC Stone Crusher district Chamba, however, the case was being presented for Kangra district.
2. The project proponent shall submit point wise issues raised during the public consultation and proposed action and present it in the next meeting.
3. The project proponent shall submit silt management plan to protect adjoining river.
4. The project proponent shall resubmit the KML file as per the site layout plan/map.

5. The project proponent shall resubmit the detailed EMP, including the provision of providing Dona/Pattal making machine to the self help group with budgetary provisions.
6. The project proponent shall submit after consulting the local community a status note on requirement of people need based under CER.

The project proponent submitted the compliance to the observation laid by SEAC on dated 07-01-2020. The case was listed in 71st meeting of SEAC.

The committee viewed the videography of public hearing conducted as per procedure for the said case on 22-08-2019, which was forwarded to SEIAA by the State Government on dated 28-11-2019. The committee observed that the local community raised issues related to existing mining activities and violations thereof. That in case existing proponent also does the mining activities in same manner it would aggravate the environmental pollution and damage to the local environment and hence the mining activities shall have to be carried out strictly as per the mining plan.

After deliberating on the information submitted and considering the facts placed before the Committee, the SEAC decided to list the case in next meeting after compliance to the following conditions:

- 1) The SPCB Regional Officer and the Mining Officer concerned to furnish a site inspection report within ten days w.r.t. existing mining activities in the 500 meters radius of the proposed site and violations and compliance to environmental standards by the existing mining project proponents. The report may be placed before the committee in next meeting with all relevant records for taking further necessary action in the matter.

2.9 Sh. Ruby Kumar, S/o Sh. Avtar Singh, Prop. M/s Thakur Stone Crusher, VPO-Deoli, Tehsil-Ghanari, District-Una, H.P.

Brief outline of the project:

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|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| a) Proposal No. | SIA/HP/MIN/41190/1990
HP SEIAA/2019-655 |
| b) Project type | Extraction/collection of Sand, Stone & Bajri. |
| c) Project Location | Khasra number 3184/1 (00-66-91), 3190 (00-52-23), 3191/1 (00-41-07), 3188/1/1 (00-41-50), 3192 (00-19-11), 3193 (00-19-40), 3195/2 (01-14-59), 3195/4 (00-00-70), 3201/1 (00-05-15), 3206/1 (00-13-88), 3267/1 (00-07-77), 3274/1 (00-30-60) falling in Mauza & Mohal-Mubarikpur/ KanSHIPur, Tehsil-Ghanari, District-Una, H.P. |
| d) Jamabandi | Jamabandi for the year 2017-2018 |
| e) Land Status | Leased land (Private Land), Agreement date – 18/01/2018 |
| f) Capacity | 83,614 Tonnes per year. |
| g) Mining Area | 4-12-91 hectare. |
| h) Leases within 500 meter from the periphery of the area applied. | No mining lease exists within 500 meters. |
| i) Letter of Intent | LOI issued on 26.02.2019, valid for one year (valid up to 25.02.2020) |
| j) EMP Cost | Capital Cost: Rs. 3.52 lakhs; Recurring cost: Rs. 1.65 lakhs PA |
| k) CER cost | Capital Cost: Rs. 1.50 lakhs; Recurring cost: Rs. 0.17 lakhs PA |

As proposed project is river bed mining of Sand, Stone and Bajri from Swan river a tributary of Satluj river.

The case was appraised by SEAC in its 69th meeting held on 21st December, 2019 where it was decided to list the case in next meeting after compliance to the following conditions:

1. The project proponent shall submit the legible copies of all the drawings, documents, record of ownership/ revenue record w.r.t. approach road to the mining site.
2. The project proponent shall submit the corrected kml file for appraisal in view of difference in mining plan coordinates.
3. The project proponent shall submit the wider view photographs and videography of the mining site using drone camera from all angles depicting the entire picture of the mining site.
4. The project proponent shall submit complete plan for muck dumping with all technical details for protection of dumped soil/ material, with protection of soil and plan to avoid erosion of soil. Capacity of dumping site with dimensions.
5. The project proponent shall ensure that the dumping of soil does not affect the water course.
6. The project proponent shall submit the GPS location (Lat/ Long) of source of the water from where the samples have been taken to analyze the results.
7. The project proponent shall submit NOC from the local body/ gram Panchayat for drawing water for mining purpose as per the condition of IPH department NOC.
8. The project proponent shall resubmit the detailed EMP plan with cost. Measurement of retaining wall shall be in cubic meter.
9. The project proponent shall submit after consulting the local community a status note on requirement of people under CER.
10. The project proponent shall submit jamabandi/ revenue record not more than 6 months old.
11. The project proponent shall submit complete waste management plan including dumping site location with khasra number.
12. The project proponent shall include one slide w.r.t. possible impacts & mitigation plan in the presentation.
13. The project proponent shall submit the comprehensive plantation plan in accordance with the site and climatic conditions.

Project proponent vide letter dated 25th December, 2019 has submitted the compliance to the conditions imposed in 69th meeting of the SEAC, therefore, the project proposal is placed before the SEAC for appraisal. The SEAC observed that the project proponent has not submitted the complete compliance to the observation such as The project proponent has not submitted the wider view photographs and videography of the mining site using drone camera from all angles depicting the entire picture of the mining site. The project proponent has not submitted complete plan for muck dumping with all technical details for protection of dumped soil/ material, with protection of soil and plan to avoid erosion of soil. Capacity of dumping site with dimensions. The project proponent has not ensured that the dumping of soil does not affect the water course and as such no plan had been submitted except for theoretical presentation.

After deliberating on the information submitted and considering the facts placed before the Committee in 70th meeting held on 27-28th December, 2019, the SEAC decided to list the case in next meeting after compliance to the following conditions:


1. It was observed that the wider view photographs and video of the mining site using drone camera not provided, therefore, the project proponent shall resubmit the same as per the observations.
2. The project proponent shall submit details about the area of influence from pollution generated from the mining activity.
3. The project proponent shall ensure to provide manpower to maintain the toilet purposed under CER activity.
4. The project proponent shall submit complete waste management plan including dumping site location with khasra number with authenticated land.

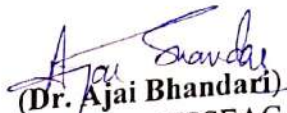
The project proponent has submitted the compliance to the observation laid by SEAC on dated 09-01-2020.

The case was listed in 71st meeting of SEAC. 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 provide one Pattal & Duna making machines through 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 under CER. The PP shall also impart trainings for operating the machine as part CER activity.

The meeting ended with vote of thanks to and from the Chair.


(Parveen Gupta)
Secretary, HP SEAC


(Dr. Ajai Bhandari)
Chairman, HPSEAC


,2020

Endst. No.: SEAC 71st meeting /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 areal.
- 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.