

607

MINUTES

658th MEETING

**STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY-TAMIL NADU**

Date: 26.09.2023 & 27.09.2023

**MINUTES OF THE 658th MEETING OF THE STATE LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY HELD ON 26.09.2023 & 27.09.2023.**

Agenda No	Description	File No.	Minutes
a)	Confirmation of the minutes of the 657 th meeting of the Authority held on 25.09.2023.		The minutes of the 657 th meeting of the Authority held on 25.09.2023 was confirmed.
b)	The Action taken on the decisions of the 657 th meeting of the Authority held on 25.09.2023.		The Member Secretary informed that 657 th Minutes uploaded in Parivesh website and action taken report will be put up ensuing meeting.
1.	Proposed Rough Stone and Gravel Quarry over an extent of 2.53.5Ha at S.F.Nos.80/3 & 80/4 of Gopichettipalayam Village, Pappireddipatty Taluk, Dharmapuri District, Tamil Nadu by M/s. Shri Ponguru Blue Metals Mines-For Terms of Reference. (SIA/TN/MIN/434110/2023)	10240	The Authority noted that the subject was appraised in the 407 th Meeting of SEAC held on 07.09.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions and conditions in Annexure 'B' of this minutes in addition to the following conditions. 1. The PP shall obtain a letter from the Concerned Director of Agriculture stating that proposed mining activity has no impact on the surrounding Agriculture.
2.	Proposed Colour granite quarry over an extent of 1.98.0Ha at SF.No. 333(Part) of Shoolamalai village, Bargur taluk, Krishnagiri District, Tamil Nadu by	10247	The Authority noted that the subject was appraised in the 407 th Meeting of SEAC held on 07.09.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public


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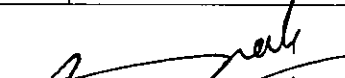
	<p>Thiru.M.Kowshik Dhev-For Terms of Reference under Violation. (SIA/TN/MIN/436906/2023)</p>		<p>Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions and conditions in Annexure 'B' of this minutes in addition to the following conditions.</p> <ol style="list-style-type: none"> 1. The kml uploaded by the PP shows that existence of dense flora and fauna. Hence, the flora and fauna to be listed by the PP and furnish the same. The action taken report also needed. 2. The PP shall obtain a letter from the Concerned Director of Agriculture stating that proposed mining activity has no impact on the surrounding Agriculture. 3. Also, the PP shall enumerate on the details of no. of trees available in the proposed project site and shall furnish the protection and conservation plan.
<p>3.</p>	<p>Proposed Multi Colour Granite Quarry over an extent of 2.97.0Ha at S.F.Nos. 299/1(P), 299/2A(P), 299/2B(P), 301(P), 302/2(P) and 302/3(P) of Kallai Village, Kulithalai Taluk, Karur District, Tamil Nadu by M/s. Apple Granites-For Terms of Reference. (SIA/TN/MIN/430899/2023)</p>	<p>10261</p>	<p>The Authority noted that the subject was appraised in the 407th Meeting of SEAC held on 07.09.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions and conditions in Annexure 'B' of this minutes.</p>

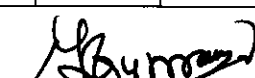

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4.	<p>Proposed Rough Stone Quarry over an extent of 5.00.0Ha at S.F.No. 679/2 (P) of Thorapalli Agraharam Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by Thiru. P. Balasubramanian-For Terms of Reference.</p> <p>(SIA/TN/MIN/435486/2023)</p>	10192	<p>The Authority noted that the subject was appraised in the 407th Meeting of SEAC held on 07.09.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing based on studies, assessments and records to be produced as sought by the SEAC and SEIAA, under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions and conditions in Annexure 'B' of this minutes, in addition to the following conditions.</p> <ol style="list-style-type: none"> 1. With reference to the notes above, the CLA's proceedings submitted by the PP has not thrown the required light on the subject. It is seen from the proceedings that the Thorapalli Agraharam Village was a 'inam' village and, in the settlement, the SF. No. in question was classified as government Poramboke kaadu. Subsequently, Government, the Principal Commissioner, Land Survey in his Proceedings in Na. Ka. (I.1)/2989/2016, dated 08.06.2016 had reclassified the subject lands comprised in S.F.No.679/2 from Kadu Poramboke to Kallankuthu Poramboke. In this context according to the para 2 of Forest (Conservation) Act,1980, any land classified as forest in any of the government records cannot be reclassified and used for non-forest purposes without the prior
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		<p>approval of Government of India. The CLA's proceedings changing the classification from 'kadu' should have been changed only with the prior approval of Gol as per the Forest Act. The information on the same, however, is not available in the proceedings. So, in this case the PP shall submit clarification from the CLA that proper procedures were followed in changing the classification of the land in question.</p> <ol style="list-style-type: none"> 2. The study shall include impact of the proposed mining on the Water falls and River Ponnaiyar flowing at a distance of 200m from the mine lease area and the proposed control/mitigation measures. 3. The Proponent shall justify the selection of the site for carrying out the stone quarrying with the total volume arrived for the excavation & production adequate details such as lithology of the deposit, reserve estimation, place for waste dump/mined mineral storage, end-use of mined materials, identified potential customers/end-users and travel path. 4. The proponent shall revise the mining plan indicating the bench height of 6 m with width of not less than bench height, as per Reg. 106 2(a) of Metalliferous Mines Regulations, 1961. <p>In view of the above, the SEIAA decided to request the Proponent to furnish the reply for the above details (point no.1, 2, 3 & 4) as sought by the SEAC.</p>
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			<p>Further, the issue of ToR does not ensure an EC if records and documents called for from the Proponent are not produced in full along with EIA report.</p> <p>In addition to that the MS SEIAA is requested to get a clarification from the PCCF & HOFF, Forest Department, whether the prescribed procedures were followed for changing the classification of the land from Kadu Poramboke to Kallankuthu Poramboke with prior approval of GOI, as per the Forest Conservation Act, 1980.</p>
5.	<p>Proposed Rough Stone and Gravel Quarry over an extent of 4.20.0 Ha at S.F.Nos. 34/1A,1B,2,52/2,3 & 60/2 (patta land), of Viralipatti Village, Vadipatti Taluk, Madurai District, Tamil Nadu by Thiru S.R. Muthupandi - For Terms of Reference. (SIA/TN/MIN/436845/2023)</p>	10229	<p>The Authority noted that the subject was placed in the 407th meeting of SEAC held on 07.09.2023 and the SEAC has furnished its recommendations for the grant of Terms of Reference for the EIA study along with Public Hearing subject to the conditions stated therein. The Authority after detailed discussion accepted the recommendation of SEAC and decided to issue Terms of Reference for the EIA study along with Public Hearing subject to conditions as recommended by SEAC in addition to the conditions stated vide Annexure "B".</p>
6.	<p>Existing Naganur Multi Color Granite Quarry over an extent of 2.93.0 Ha S.F.No. 135/1A, 136/1A, and 136/2, of Naganur Village, Kullithalai Taluk, Karur District, Tamil Nadu by Thiru.M. Gandhi - For Terms of Reference under violation. (SIA/TN/MIN/435461/2023)</p>	10241	<p>The Authority noted that the subject was placed in the 407th meeting of SEAC held on 07.09.2023 and the SEAC has furnished its recommendations for the grant of Terms of Reference for the EIA study under violation category along with Public Hearing subject to the conditions stated therein. The Authority after detailed discussion accepted the recommendation of SEAC and decided to issue Terms of Reference for the EIA study under violation category along with Public Hearing</p>


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			<p>subject to the conditions as recommended by SEAC, the following conditions in addition to the conditions stated vide Annexure "B". Terms of Reference issued are subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.</p> <ul style="list-style-type: none"> The Member Secretary, SEIAA TN is requested to address the State Government/ TNPCCB for initiating action against the PP under section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
7.	Proposed Rough Stone quarry over an extent of 4.00.0 Ha of Patta land in S.F.Nos. 78/1B(P), of Kothapetta Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by Tmt. K.M.Vijaya - For Terms of Reference. (SIA/TN/MIN/430521/2023)	10248	The Authority noted that the subject was placed in the 407 th meeting of SEAC held on 07.09.2023 and the SEAC has sought certain additional details from the PP. The proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.
8.	Proposed Rough Stone quarry over an extent of 5.00.0 Ha of Government land in S.F.Nos. 679/2 (Part-3), of Thorapalli Agraharam Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by M/s. Thirveni Earthmovers Private Limited - For Terms of Reference. (SIA/TN/MIN/435200/2023)	10193	The Authority noted that the subject was appraised in the 407 th Meeting of SEAC held on 07.09.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing based on studies, assessments and records to be produced as sought by the SEAC and SEIAA, under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by


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SEAC & normal conditions and conditions in Annexure 'B' of this minutes, in addition to the following conditions.

1. With reference to the notes above, the CLA's proceedings submitted by the PP has not thrown the required light on the subject. It is seen from the proceedings that the Thorapalli Agraharam Village was a 'inam' village and, in the settlement, the SF. No. in question was classified as government Poramboke kaadu. Subsequently, Government, the Principal Commissioner, Land Survey in his Proceedings in Na. Ka. (I.1)/2989/2016, dated 08.06.2016 had reclassified the subject lands comprised in S.F.No.679/2 from Kadu Poramboke to Kallankuthu Poramboke. In this context according to the para 2 of Forest (Conservation) Act,1980, any land classified as forest in any of the government records cannot be reclassified and used for non-forest purposes without the prior approval of Government of India. The CLA's proceedings changing the classification from 'kadu' should have been changed only with the prior approval of GoI as per the Forest Act. The information on the same, however, is not available in the proceedings. So, in this case the PP shall submit clarification from the CLA that proper procedures were followed in changing the classification of the land in question.


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		<p>2. The study shall include impact of the proposed mining on the Water falls and River Ponnaiyar flowing at a distance of 200m from the mine lease area and the proposed control/mitigation measures.</p> <p>3. The Proponent shall justify the selection of the site for carrying out the stone quarrying with the total volume arrived for the excavation & production adequate details such as lithology of the deposit, reserve estimation, place for waste dump/mined mineral storage, end-use of mined materials, identified potential customers/end-users and travel path.</p> <p>4. The proponent shall revise the mining plan indicating the bench height of 6 m with width of not less than bench height, as per Reg. 106 2(a) of Metalliferous Mines Regulations, 1961.</p> <p>In view of the above, the SEIAA decided to request the Proponent to furnish the reply for the above details (point no.1, 2, 3 & 4) as sought by the SEAC. Further, the issue of ToR does not ensure an EC if records and documents called for from the Proponent are not produced in full along with EIA report.</p> <p>In addition to that the MS SEIAA is requested to get a clarification from the PCCF & HOFF, Forest Department, whether the prescribed procedures were followed for changing the classification of the land from Kadu Poramboke to Kallankuthu Poramboke with prior approval of GOI, as per the Forest Conservation Act,1980.</p>
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9.	Proposed Multi Colour Granite quarry lease over an extent of 1.43.5 Ha at SF.Nos.571/1, 571/2 & 571/3 of Pilathu Village, Vedasandur Taluk, Dindigul District Tamil Nadu by M/s. RRP Groups and Exports - For Terms of Reference. (SIA/TN/MIN/431210/2023)	10242	The authority noted that the subject was appraised in 407 th SEAC meeting held on 07.09.2023. Based on the presentation and documents furnished by the project proponent, SEAC after detailed deliberations, decided to recommend the proposal for the grant of Terms of Reference (ToR) . After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the following conditions and the conditions mentioned in 'Annexure B' of this minute: 1. As per MoEF&CC OM vide FC-11/119/2020-FC Dated: 17.05.2022 para 6 "the project proponent may submit the application simultaneously for grant of Terms of Reference under EIA Notification as well as for FC and consideration by the NBWL/SCNBWL". Hence, PP must submit NBWL clearance as directed by SEAC along with EIA Report.
10.	Proposed Rough Stone & quarry lease over an extent of 2.15.0 Ha at SF.Nos.44/4, 8, 9A, 9C, 3, 6A, 12, 6B, 7, 11 & 41/3 of Killukulavaipatti Village, Kulathur Taluk, Pudukottai District, Tamil	10256	The proposal was placed in the 407 th SEAC Meeting held on 07.09.2023. During the meeting the EIA coordinator informed that the project proponent was absent for the meeting. Hence the subject was not taken up for appraisal and committee decided that the project proponent shall furnish the reason for his absence.


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	Nadu by Thiru. N.Meda Ramesh - For Terms of Reference. (SIA/TN/MIN/436432/2023)		In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 407 th SEAC Meeting held on 07.09.2023 to the project proponent.
11.	Proposed Rough Stone & quarry lease over an extent of 2.15.0 Ha at SF. Nos. 6/1, 6/2, 6/3 etc., of Kallankurichi, Ameenabad & Khairulabad Villages, Ariyalur Taluk, Ariyalur District, Tamil Nadu by M/s. Tamil Nadu Cements Corporation Limited - For Environmental clearance. (SIA/TN/MIN/416471/2023)	10263	The proposal was placed in the 407 th SEAC Meeting held on 07.09.2023. Based on the presentation and documents furnished by the proponent, SEAC noted the following, <ol style="list-style-type: none"> 1. The proponent had earlier obtained Terms of Reference under violation category from MoEF&CC vide F.No.23-19/2019-IA.III(V) dated 14.05.2020. 2. Public Hearing was conducted on 05.05.2022. 3. Subsequently, the proponent had submitted the Final EIA report to MoEF&CC vide online proposal number IA/TN/MIN/407947/2022 dated: 25.11.2022. 4. Subsequently, the proponent had applied for fresh Terms of Reference in SEIAA Portal vide online number SIA/TN/MIN/416436/2023 Dated: 31.01.2023. 5. Further, the proponent had applied for Environmental Clearance for the earlier issued Terms of reference under violation category in SEIAA Portal vide online number SIA/TN/MIN/416471/2023 dated: 31.01.2023. 6. Further, there is one more duplicate proposal


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in Parivesh portal vide online number
SIA/TN/MIN/27504/2018 dated:
19.06.2017.

7. The proponent had obtained letter from MoEF&CC vide F. No. 23-19/2019-IA.III dated: 06.09.2023 regarding the transfer of proposal from MoEF&CC to SEIAA.

Based on the above facts, SEAC decided to obtain the following additional particulars from the proponent:

1. The proponent shall withdraw the duplicate files as mentioned below and authority shall accept the withdrawal request and SEIAA may accordingly take necessary action in accordance with the procedures laid by the MoEF & CC

(i) online number
SIA/TN/MIN/27504/2018
dated: 19.06.2017.

(ii) online number
SIA/TN/MIN/416436/2023
Dated: 31.01.2023.


2. The proponent shall revise EMP incorporating the conservation measures for Peafowl.

3. To revise the ecological damage assessment as per CPCB Guidelines.

Meanwhile, the SEAC decided to constitute a sub-committee to make on-site inspection to assess the present status of the proposed project, environmental settings and to assess ecological damage assessment, remediation plan, natural


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			<p>resource augmentation and community resource augmentation.</p> <p>After the receipt of the additional details from the proponent and the evaluation report by the Subcommittee, the SEAC will deliberate on the issue of Environmental Clearance under violation category. SEAC also decided to direct SEIAA-TN to initiate action to be taken for violation cases in accordance with law.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to communicate the minutes of 407th SEAC Meeting held on 07.09.2023 to the project proponent.</p>
12.	Proposed Rough Stone quarry lease area over an extent of Extent 5.00.0 Ha at S.F. No. 679/2 (Part-4) of Thorapalli Agraharam Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by M/s. Thriveni Earth Movers Private Limited - For Environmental clearance. (SIA/TN/MIN/435645/2023)	10188	<p>The Authority noted that the subject was appraised in the 407th Meeting of SEAC held on 07.09.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing based on studies, assessments and records to be produced as sought by the SEAC and SEIAA, under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions and conditions in Annexure 'B' of this minutes, in addition to the following conditions.</p> <ol style="list-style-type: none"> 1. With reference to the notes above, the CLA's proceedings submitted by the PP has not thrown the required light on the subject. It is seen from the proceedings that the


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Thorapalli Agraharam Village was a 'inam' village and, in the settlement, the SF. No. in question was classified as government Poramboke kaadu. Subsequently, Government, the Principal Commissioner, Land Survey in his Proceedings in Na. Ka. (I.1)/2989/2016, dated 08.06.2016 had reclassified the subject lands comprised in S.F.No.679/2 from Kadu Poramboke to Kallankuthu Poramboke. In this context according to the para 2 of Forest (Conservation) Act,1980, any land classified as forest in any of the government records cannot be reclassified and used for non-forest purposes without the prior approval of Government of India. The CLA's proceedings changing the classification from 'kadu' should have been changed only with the prior approval of GoI as per the Forest Act. The information on the same, however, is not available in the proceedings. So, in this case the PP shall submit clarification from the CLA that proper procedures were followed in changing the classification of the land in question.

2. The study shall include impact of the proposed mining on the Water falls and River Ponnaiyar flowing at a distance of 200m from the mine lease area and the proposed control/mitigation measures.
3. The Proponent shall justify the selection of the site for carrying out the stone quarrying


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			<p>with the total volume arrived for the excavation & production adequate details such as lithology of the deposit, reserve estimation, place for waste dump/mined mineral storage, end-use of mined materials, identified potential customers/end-users and travel path.</p> <p>4. The proponent shall revise the mining plan indicating the bench height of 6 m with width of not less than bench height, as per Reg. 106 2(a) of Metalliferous Mines Regulations, 1961.</p> <p>In view of the above, the SEIAA decided to request the Proponent to furnish the reply for the above details (point no.1, 2, 3 & 4) as sought by the SEAC. Further, the issue of ToR does not ensure an EC if records and documents called for from the Proponent are not produced in full along with EIA report.</p> <p>In addition to that the MS SEIAA is requested to get a clarification from the PCCF & HOFF, Forest Department, whether the prescribed procedures were followed for changing the classification of the land from Kadu Poramboke to Kallankuthu Poramboke with prior approval of GOI. as per the Forest Conservation Act,1980.</p>
13.	Existing Multi Colour Granite Quarry lease over an Extent of 2.86.5 Ha of S.F.Nos. 482 of Nadanthai Village, Paramathivelur Taluk, Namakkal District, Tamil Nadu by Thiru. V. Punitha – For	10213	The authority noted that the subject was appraised in the 407 th SEAC meeting held on 07.09.2023. Based on the details furnished by the Project Proponent, the SEAC directed the PP to submit the details of last date of mining carried out at the


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	Terms of Reference. (SIA/TN/MIN/430138/2023)		project site validated by the concerned AD (Mines), Department of Geology & Mining. The Authority noted the minutes of SEAC.
14.	Existing Rough Stone Quarry lease over an extent of 4.00.0 Ha (Government Poramboke land) at S.F.Nos.637 (Part-1) of Thuppuganapalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru. K.P. Anand – For Terms of Reference. (SIA/TN/MIN/430543/2023)	10219	The authority noted that the subject was appraised in the 407 th SEAC meeting held on 07.09.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the conditions mentioned in 'Annexure B' of this minutes.
15.	Existing Rough Stone Quarry lease over an extent of 1.51.5 Ha (Government Poramboke land) in S.F.Nos. 285/3, 288/1 & 449/3 of Nattarmangalam & Chettikulam Village, Alathur Taluk, Perambalur District, Tamil Nadu by Thiru. P.A. Paranthaman – For Terms of Reference. (SIA/TN/MIN/437286/2023)	10236	The authority noted that the subject was appraised in the 407 th SEAC meeting held on 07.09.2023. During the presentation, the proponent stated that he would like to withdraw the proposal. Hence, the SEAC decided that SEIAA may accordingly take necessary action in accordance with the procedures as laid in the law. The Authority, during deliberations, noted that the proponent has not submitted a request to withdraw the proposal in the PARIVESH Portal till date. Hence, the authority decided to take further action on the proposal after the receipt of the same from the project proponent with proper justification for withdrawal.
16.	Proposed Black Granite Quarry lease over an Extent 1.02.0 Ha (Government Poramboke land) at	10243	The authority noted that the subject was appraised in the 407 th SEAC meeting held on 07.09.2023. After detailed discussions, the Authority accepts the


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	S.F.Nos. 362/1 (Part) (Bit-1) of Guttur Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by Thiru. M. Kowshik Dhev – For Terms of Reference. (SIA/TN/MIN/436909/2023)		recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the conditions mentioned in 'Annexure B' of this minutes.
17.	Proposed Colour Granite Quarry over an extent of 1.87.0Ha at SF.No.366 (Part) of Jagadevipalayam Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by Tmt. M. Sadhana - For Terms of Reference. (SIA/TN/MIN/435951/2023)	10214	The authority noted that this proposal was placed for appraisal in 407 th meeting of SEAC held on 07.09.2023, the committee has furnished its recommendations for granting ToR with Public hearing subject to the conditions stated therein. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the conditions in ' Annexure B ' of this minute.
18.	Proposed Rough stone Quarry over an extent of 4.50.0Ha at SF. No. 637(Part-II) of Thuppuganapalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru K. P. Anand- For Terms of Reference. (SIA/TN/MIN/430604/2023)	10220	The Authority noted that the subject was appraised in the 407 th Meeting of SEAC held on 07.09.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to grant ToR with Public Hearing subject to the conditions stated therein. After detailed discussions, the Authority decided to request the Member Secretary, SEIAA-TN to obtain


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			<p>the following details and place before the Authority for further course of action.</p> <p>1. As stated in SEAC minutes, the PP shall furnish an affidavit stating that the mining operations will remain suspended from the date of publication of MoEF &CC OM F.No. IA3-22/11/2023-IA.III (E-208230), dated. 28.04.2023 till they obtain the EC granted by the SEIAA after the reappraisal process for carrying out remedial actions subsequently.</p> <p>In view of the above, Authority decided to request the Member Secretary, SEIAA to communicate the minutes to the project proponent.</p>
19.	Proposed Rough stone Quarry over an extent of 4.00.0Ha at SF.No. 78/1A (P) & 78/1B (P) of Kothapetta Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu by M/s. Sri Devaraajaa M Sand - For Terms of Reference. (SIA/TN/MIN/430407/2023)	10244	<p>The authority noted that this proposal was placed for appraisal in 407th meeting of SEAC held on 07.09.2023. Based on the details furnished by the Project Proponent, the SEAC directed the PP to submit the details of last date of mining carried out at the project site validated by the concerned AD (Mines), Department of Geology & Mining.</p> <p>In view of the above, the authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 07.09.2023.</p>
20.	Proposed Rough stone Quarry over an extent of 5.00Ha at SF.No. 679/2(P) of Thorapalli Agraharam Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by M/s. Navaladiyan Engineers - For Terms	10190	<p>The Authority noted that the subject was appraised in the 407th Meeting of SEAC held on 07.09.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing based on studies, assessments and records to be produced as sought by the SEAC and SEIAA,</p>


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	<p>of Reference. (SIA/TN/MIN/435824/2023)</p>	<p>under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions and conditions in Annexure 'B' of this minutes, in addition to the following conditions.</p> <ol style="list-style-type: none"> 1. With reference to the notes above, the CLA's proceedings submitted by the PP has not thrown the required light on the subject. It is seen from the proceedings that the Thorapalli Agraharam Village was a 'inam' village and. in the settlement, the SF. No. in question was classified as government Poramboke kaadu. Subsequently, Government, the Principal Commissioner, Land Survey in his Proceedings in Na. Ka. (I.1)/2989/2016. dated 08.06.2016 had reclassified the subject lands comprised in S.F.No.679/2 from Kadu Poramboke to Kallankuthu Poramboke. In this context according to the para 2 of Forest (Conservation) Act,1980, any land classified as forest in any of the government records cannot be reclassified and used for non-forest purposes without the prior approval of Government of India. The CLA's proceedings changing the classification from 'kadu' should have been changed only with the prior approval of Gol as per the Forest Act. The information on the same, however, is not available in the proceedings. So, in this case the PP shall
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submit clarification from the CLA that proper procedures were followed in changing the classification of the land in question.

2. The PP shall study impact of the proposed mining on the Water falls and River Ponnaiyar flowing at a distance of 200m from the mine lease area and the proposed control/mitigation measures.
3. The Proponent shall justify the selection of the site for carrying out the stone quarrying with the total volume arrived for the excavation & production adequate details such as lithology of the deposit, reserve estimation, place for waste dump/mined mineral storage, end-use of mined materials, identified potential customers/end-users and travel path.
4. The proponent shall revise the mining plan indicating the bench height of 6 m with width of not less than bench height, as per Reg. 106 2(a) of Metalliferous Mines Regulations, 1961.

In view of the above, the SEIAA decided to request the Proponent to furnish the reply for the above details (point no.1, 2, 3 & 4) as sought by the SEAC. Further, the issue of ToR does not ensure an EC if records and documents called for from the Proponent are not produced in full form along with EIA report.

In addition to that, the MS SEIAA is requested to get a clarification from the PCCF & HOFF, Forest Department, whether the prescribed procedures


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			were followed for changing the classification of the land from Kadu Poramboke to Kallankuthu Poramboke with prior approval of GOI, as per the Forest Conservation Act, 1980.
21.	Proposed Rough stone quarry over an extent of 3.20.5 Ha at S.F. No. 629 (Part) (Government Poramboke Land) of Nagamangalam Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Tvl. Square Enterprises - For Terms of Reference. (SIA/TN/MIN/433058/2023)	10238	The authority noted that this proposal was placed for appraisal in 407 th SEAC meeting held on 07.09.2023, the committee has furnished its recommendations for granting ToR with Public hearing subject to the conditions stated therein. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) for the ultimate depth of mining restricted upto 60m (45m AGL + 15 BGL) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions in addition to the conditions in 'Annexure B' of this minutes.
22.	Proposed Black Granite quarry over an extent of 1.42.0 Ha at S.F. No. 362/1 (Part) (Bit-2) (Government Poramboke Land) of Guttur Village, Bargur Taluk, Krishnagiri District, Tamil Nadu by Tvl. Magma Stone Exports - For Terms of Reference. (SIA/TN/MIN/436898/2023)	10245	The authority noted that this proposal was placed for appraisal in 407 th SEAC meeting held on 07.09.2023, the committee has furnished its recommendations for granting ToR with Public hearing subject to the conditions stated therein. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as


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			recommended by SEAC & normal conditions in addition to the conditions in 'Annexure B' of this minutes.
23.	Proposed Rough stone & Gravel quarry lease over an extent of 3.34.5Ha in S.F. No:147/3, 147/4 & 148 (P), Thenkaraikottai Village, Pappireddypatti Taluk, Dharnapuri District, Tamil Nadu by M/s. Shri Ponguru Blue Metal Mines – For Terms of Reference. (SIA/TN/MIN/434227/2023)	10239	<p>The Authority noted that the subject was appraised in the 407th Meeting of SEAC held on 07.09.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions and conditions in Annexure 'B' of this minutes.</p> <ol style="list-style-type: none"> 1. Restricting the ultimate depth of mining upto 50m (10m AGL & 40m BGL) for mining over a period of five years considering the environmental impacts due to the mining, safety precautionary measures of the working personnel and following the principle of the sustainable mining. 2. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc. 3. The PP shall obtain a letter from the Concerned Director of Agriculture stating that proposed mining activity has no impact on the surrounding Agriculture. 4. Also, the PP shall enumerate on the details of


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			no. of trees available in the proposed project site and shall furnish the protection and conservation plan.
24.	Exisiting Multi Colour Granite Quarry over an extent of 1.50.5Ha S.F.Nos. 348 (Part) & 349/2 (Part) of Sithampoondi Village, Paramathivelur Taluk, Namakkal District, Tamil Nady by Thiru. S.K.P.Murugaen - For Terms of Reference. (SIA/TN/MIN/436999/2023)	10260	The Authority noted that the subject was appraised in the 407 th Meeting of SEAC held on 07.09.2023. After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) along with Public Hearing under cluster for undertaking the combined Environment Impact Assessment Study and preparation of separate Environment Management Plan subject to the conditions as recommended by SEAC & normal conditions and conditions in Annexure 'B' of this minutes.
25.	Proposed expansion of existing Steel plant at S.F.Nos. 352, 353/1,2, 379/1pt, 379/2pt, 380pt, 382/1pt, 382/3 pt, Nallur Village & S. F. No. 50/1pt of Kunnamalai Village, Paramathi Velur Taluk, Namakkal District, Tamil Nadu by M/s. Sri Vela Smelters Private Limited - For Term of Reference under violation. (SIA/TN/IND1/436733/2023)	10223	The Authority noted that the subject was placed in the 407 meeting of SEAC held on 07.09.2023 and the SEAC has furnished its recommendations for the grant of Terms of Reference for the EIA study under violation category along with Public Hearing subject to the conditions stated therein. The Authority after detailed discussion accepted the recommendation of SEAC and decided to issue Terms of Reference for the EIA study under violation category along with Public Hearing subject to the conditions as recommended by SEAC. the following conditions in addition to the conditions. Terms of Reference issued are subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021. 1. The Member Secretary, SEIAA TN is requested to address the State


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Government/ TNPCB for initiating action against the PP under section 19 of the Environment (Protection) Act. 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.

2. The proponent shall submit life cycle assessment. & Ecological risk assessment.
3. The proponent shall submit impact on vegetation biodiversity, terrestrial/ agricultural ecosystem. Water table. Material flow analysis cost benefit analysis & community health around the proposed industries.
4. Technologies for reduction in coal to control carbon emission.
5. The proponent shall submit the green technologies deployed in the production to reduce carbon footprint. Green House Gas (GHG). CO, and rise in temperature.
6. Details regarding strategies adopted for occupational health safety and energy efficiency standards shall be submitted.
7. The proponent shall submit detailed report regarding temperature rise and climate change impacts due to the proposed project and control measures.
8. The PP shall study fugitive emissions and regular emission monitoring strategies to prevent their escape into the environment.
9. Details regarding the transparency and accountability system in place during the operation period of the project.


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		<p>10. Details regarding the In-House environmental performance and evolution tools to evaluate the impacts of the project on the environment.</p> <p>11. Detailed study is to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production and the report shall be submitted.</p> <p>12. Through a chart Illustration, clarify the cradle-to-grave approach for anticipated emissions and environmental threats in every stage, and the mitigation strategy at every stage shall be submitted.</p> <p>13. If the project activity includes disposal of waste/rejects into landfill, the proponent shall furnish details on the strategies adopted to manage the same.</p> <p>14. The proponent shall study the ways of improving recycling efficiency.</p> <p>15. The proponent shall furnish the details about the radioactive contaminations related to the project.</p> <p>16. The proponent shall furnish details about the management of quenching water.</p> <p>17. Project Proponent shall submit the action plan to study the impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts.</p> <p>18. The proponent shall submit a detailed study report regarding the chemical exposures and risks anticipated to environment and human health.</p>
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			<p>19. The proponent shall strictly adhere to the mitigation measures as committed regarding the emission of Green House Gas (GHG) and other gas emissions.</p> <p>20. The proponent shall submit a detailed study report regarding the terrestrial and aquatic toxicity due to the proposed project.</p> <p>21. The green belt area should be not less than 15% of the total land area of the project.</p> <p>22. The proponent shall furnish details on the green practices adopted so as to support the circular economy.</p> <p>23. The proponent shall conduct a study and furnish details on the impact of the project on the communities in and around the project area.</p> <p>24. The proponent shall furnish details on the impact on employee health due to the project activities.</p>
26.	Proposed Expansion of Steel Melting Shop & Rolling Mill located at S.No. 329/2, 3, 4, 5, 7 of Vellalagundam Village, Vazhappadi Taluk, Salem District by M/s. Sree Jayamurugan Alloys Private Limited - For Terms of Reference under violation. (SIA/TN/MIN/435680/2023)	10206	The authority noted that the subject was appraised in the 407 th SEAC meeting held on 07.09.2023. SEAC decided to grant Terms of Reference under violation category along with Public hearing to the proposal, subject to the TORs stated therein, in addition to the standard terms of reference for EIA study and details issued by the MOEF & CC (Annexure III) to be included in the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. Terms of Reference


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issued are subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.

After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant **Terms of Reference (ToR) under violation category along with Public Hearing** for undertaking EIA study followed by the EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants subject to the conditions as recommended by SEAC & normal/standard conditions stipulated by MoEF&CC in addition to the following conditions:

1. The Member Secretary, SEIAA TN is requested to address the State Government/ TNPCB for initiating action against the PP under section 19 of the Environment (Protection) Act. 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
2. The proponent shall submit life cycle assessment & Ecological risk assessment.
3. The proponent shall submit impact on vegetation biodiversity, terrestrial/ agricultural ecosystem, water table due to the proposed project activity. Also furnish details on Material flow analysis, cost benefit analysis & community health around the proposed industries.



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		<ol style="list-style-type: none"> 4. Technologies for reduction in coal to control carbon emission. 5. The proponent shall submit the green technologies deployed in the production to reduce carbon footprint, Green House Gas (GHG), CO2 and rise in temperature. 6. Details regarding strategies adopted for occupational health safety and energy efficiency standards shall be submitted. 7. The proponent shall submit detailed report regarding temperature rise and climate change impacts due to the proposed project and control measures. 8. The PP shall study fugitive emissions and regular emission monitoring strategies to prevent their escape into the environment. 9. Details regarding the transparency and accountability system in place during the operation period of the project. 10. Details regarding the In-House environmental performance and evolution tools to evaluate the impacts of the project on the environment. 11. Detailed study is to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production and the report shall be submitted. 12. Through a chart Illustration, clarify the cradle-to-grave approach for anticipated emissions and environmental threats in every stage, and the mitigation strategy at every stage shall be submitted. 13. If the project activity includes disposal of waste/rejects into landfill, the proponent shall
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		<p>furnish details on the strategies adopted to manage the same.</p> <p>14. The proponent shall study the ways of improving recycling efficiency.</p> <p>15. The proponent shall furnish the details about the radioactive contaminations related to the project.</p> <p>16. The proponent shall furnish details about the management of quenching water.</p> <p>17. Project Proponent shall submit the action plan to study the impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts.</p> <p>18. The proponent shall submit a detailed study report regarding the chemical exposures and risks anticipated to environment and human health.</p> <p>19. The proponent shall strictly adhere to the mitigation measures as committed regarding the emission of Green House Gas (GHG) and other gas emissions.</p> <p>20. The proponent shall submit a detailed study report regarding the terrestrial and aquatic toxicity due to the proposed project.</p> <p>21. The green belt area should be not less than 33% of the total land area of the project.</p> <p>22. The proponent shall furnish details on the green practices adopted so as to support the circular economy.</p> <p>23. The proponent shall conduct a study and furnish details on the impact of the project on the communities in and around the project area.</p>
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			24. The proponent shall furnish details on the impact on employee health due to the project activities.
27.	Proposed Expansion of Steel Melting plant & Steel Rolling Mill at S.F.Nos.304/1, 304/2, 305/1 & 306 of Chennimalai Village, Perundurai Taluk, Erode District, Tamil Nadu by M/s. Sree Palani Andavar Alloys and Steels Private Limited – Terms of Reference under violation. (SIA/TN/IND1/436633/2023)	10250	<p>The authority noted that the subject was appraised in the 407th SEAC meeting held on 07.09.2023. SEAC decided to grant Terms of Reference under violation category along with Public hearing to the proposal, subject to the TORs stated therein, in addition to the standard terms of reference for EIA study and details issued by the MOEF & CC (Annexure III) to be included in the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. Terms of Reference issued are subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.</p> <p>After detailed discussions, the Authority accepts the recommendation of SEAC and decided to grant Terms of Reference (ToR) under violation category along with Public Hearing for undertaking EIA study followed by the EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants subject to the conditions as recommended by SEAC & normal/standard</p>



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		<p>conditions stipulated by MoEF&CC in addition to the following conditions:</p> <ol style="list-style-type: none"> 1. The Member Secretary, SEIAA TN is requested to address the State Government/ TNPCB for initiating action against the PP under section 19 of the Environment (Protection) Act. 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018. 2. The proponent shall submit life cycle assessment & Ecological risk assessment. 3. The proponent shall submit impact on vegetation biodiversity, terrestrial/ agricultural ecosystem, water table due to the proposed project activity. Also furnish details on Material flow analysis, cost benefit analysis & community health around the proposed industries. 4. Technologies for reduction in coal to control carbon emission. 5. The proponent shall submit the green technologies deployed in the production to reduce carbon footprint, Green House Gas (GHG), CO2 and rise in temperature. 6. Details regarding strategies adopted for occupational health safety and energy efficiency standards shall be submitted. 7. The proponent shall submit detailed report regarding temperature rise and climate change impacts due to the proposed project and control measures. 8. The PP shall study fugitive emissions and regular emission monitoring strategies to prevent their escape into the environment.
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		<p>9. Details regarding the transparency and accountability system in place during the operation period of the project.</p> <p>10. Details regarding the In-House environmental performance and evolution tools to evaluate the impacts of the project on the environment.</p> <p>11. Detailed study is to be made on material flow analysis and Life Cycle Assessment (LCA) in the process of production and the report shall be submitted.</p> <p>12. Through a chart Illustration, clarify the cradle-to-grave approach for anticipated emissions and environmental threats in every stage, and the mitigation strategy at every stage shall be submitted.</p> <p>13. If the project activity includes disposal of waste/rejects into landfill, the proponent shall furnish details on the strategies adopted to manage the same.</p> <p>14. The proponent shall study the ways of improving recycling efficiency.</p> <p>15. The proponent shall furnish the details about the radioactive contaminations related to the project.</p> <p>16. The proponent shall furnish details about the management of quenching water.</p> <p>17. Project Proponent shall submit the action plan to study the impacts on human health viz respiratory impacts, toxicity impacts and radiation impacts.</p> <p>18. The proponent shall submit a detailed study report regarding the chemical exposures and risks anticipated to environment and human</p>
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			<p>health.</p> <p>19. The proponent shall strictly adhere to the mitigation measures as committed regarding the emission of Green House Gas (GHG) and other gas emissions.</p> <p>20. The proponent shall submit a detailed study report regarding the terrestrial and aquatic toxicity due to the proposed project.</p> <p>21. The green belt area should be not less than 33% of the total land area of the project.</p> <p>22. The proponent shall furnish details on the green practices adopted so as to support the circular economy.</p> <p>23. The proponent shall conduct a study and furnish details on the impact of the project on the communities in and around the project area.</p> <p>24. The proponent shall furnish details on the impact on employee health due to the project activities.</p>
28.	Existing IT Tower Building by M/s. Electronics Corporation of Tamil Nadu Limited (ELCOT) at S.F.Nos. 602/3A of Sholinganallur Village, Sholinganallur, Chennai District, Tamil Nadu - For Environmental Clearance under violation. (SIA/TN/INFRA2/402960/2022)	9540	<p>The authority noted that the subject was appraised in 407th SEAC meeting held on 07.09.2023. Based on the report submitted by the Sub-Committee and after deliberations, the SEAC have decided to recommend the proposal for grant of Environmental Clearance under Violation category subject to outcome of the Interim Order stayed the SoP which was challenged in the Madurai Bench of the High Court of Madras in the matter W.P.(MD) No. 11757 of 2021 titled Fatima Vs Union of India, dated 15th July 2021, and however it shall adhere to the following conditions in addition to the normal conditions:</p>


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		<p>1. As the SoP, issued by the MOEF&CC, for considering violation cases is under stay by the Hon'ble Madurai Bench of Madras High Court, SEIAA may obtain an affidavit from the PP that the decision is without prejudice to the outcome of the W.P.(MD) No. 11757 of 2021 and the PP shall abide by the judgement in the writ petition and face the consequences if any. Further, as an abundant precaution, SEIAA may get the consent of the Hon'ble High Court by filing a clarification petition.</p> <p>In the view of the above, SEIAA accepts the decision of SEAC and decided to request Member Secretary to file a clarification petition as per the direction of SEAC in 407th SEAC meeting held on 07.09.2023 and communicate the minutes to the project proponent.</p>
29.	<p>File No: 9997</p> <p>Proposed Rough Stone Quarry lease over an extent of 1.04.5 Ha at S.F. Nos. 626/1 of Poolancheri Village, Musiri Taluk, Tiruchirapalli District, Tamil Nadu by Thiru. M. Mohammed Meera - For Environmental Clearance.</p> <p>The proposal was earlier placed in the 388th SEAC Meeting held on 30.06.2023. SEAC had furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein.</p> <p>Subsequently, the proposal was placed in 638th SEIAA meeting held on 17.07.2023. The authority noted that the subject was appraised in 388th SEAC meeting held on 30.06.2023.</p> <p>A. During the presentation, SEAC noted that, based on the KML file uploaded by the proponent in Parivesh Portal and google imagery, it is ascertained that the proposed site has been quarried earlier. Further, in 500m cluster certificate issued by AD/ Mines vide Rc. No. 978/2021/Mines-RS-4 Dated: 21.03.2023 which states that</p> <p style="text-align: center;"><i>“The Proposed quarry S.F.No.626/1 of Poolancheri village, Musiri Taluk was already leased out to Thiru.V.R.Kumar vide Tiruchirappalli, District Collectr</i></p>	


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Proceedings Rc.No.B.265/2008/Mines Dated: 24.04.2008. The lease period is 10 years from 07.07.2008 to 06.07.2018. The Existing quarry pit measurement is tabulated below”

	Length	Width	Depth
PIT-I	75m	34m	16m
PIT-II	39m	26m	1m

Hence, in the view of the above, SEIAA may get an explanation from AD/Mines with respect to allowing the earlier lessee to operate the mine without a valid Environmental Clearance.

B. In the meanwhile, based on the presentation & documents furnished, SEAC decided to recommend the proposal for the grant of Environmental Clearance

Authority after detailed deliberation, decided that

1. MS-SEIAA may write a letter to AD/Mines as per the direction of SEAC in its 388th SEAC meeting held on 30.06.2023 and further AD/Mines shall give his comments regarding the existing site condition in order to ascertain the present ground status and communicate the minutes to the project proponent.
2. Further, upon the receipt of clarification from AD/Mines, further deliberation shall be done since the proposed site is at violation.

Subsequently, based on the above, a letter was addressed to Assistant Director/ Deputy Director vide Letter. No. SEIAA-TN/F.No.9997/clarification/2023 dated: 24.07.2023.

Subsequently, proponent vide letter received by this office on 07.09.2023 submitted a reply. Based on the above, the proposal was again placed in 658th SEIAA meeting held on 26.09.2023 & 27.09.2023.

The Authority after detailed deliberation, noted that

1. Assistant Director, Geology and Mining, Tiruchirapalli vide Rc.No.978/2021/Mines-RS-4, dated: 10.08.2023 had stated as follows

“... it is stated that the proposed quarry in S.F.No. 626/1 of Poolancheri village, Musiri Taluk was already leased out to Thiru.V.R.Kumar vide Tiruchirapalli, District Collector Proceedings Rc.no.B.265/2008/Mines Dated: 24.04.2008. the lease period was from 07.07.2008 to 06.07.2018.

According to the instructions of Director of Geology and Mining that the quarrying operation should be carried out only after obtaining environmental clearance. Hence, the


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last transport permit was issued on 22.12.2016. Hence, all the quarrying operations in the said Roughstone quarry was stopped on 10.01.2017 itself.

Further, it is informed that the penalty amount was raised and demand notice was issued for the sum of Rs. 12,29,700/ for the quantity of 3,900 CBM of Rought stone for quarrying without obtaining environmental clearance from the period of 15.01.2016 to 10.01.2017 vide in the reference 3rd cited and the process will be referred through Revenue Recovery Act.

In the view of the above facts, Authority after detailed deliberation decided that

- A. The proponent, Thiru V.R. Kumar, had earlier applied for Environmental clearance vide online number SIA/TN/MIN/33823/2015 Dated: 04/12/2015 and subsequently Terms of reference under violation category vide SIA/TN/MIN/22695/2018 Dated: 27.03.2018. Hence, Member Secretary, SEIAA-TN may write to Government to take credible action under section 19 of Environmental Protection, 1986 against the proponent Thiru V. R. Kumar who had earlier carried out quarrying activity.
- B. Based on the reply furnished by AD/Mines as mentioned above, the proponent, Thiru. V. R. Kumar's application for Terms of Reference under violation category vide online number SIA/TN/MIN/22695/2018 Dated: 27.03.2018 shall be forwarded to SEAC for damage assessment as per EIA Notification S.O. 1031 (E) Dated: 08.03.2018.
- C. After detailed discussions, the Authority taking into account the recommendations of SEAC and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the proposal vide **online number SIA/TN/MIN/425372/2023 dated: 11.04.2023 for the quantity 45,590m³ of rough stone up to the depth of 31m BGL and the annual peak production should not exceed 10,400m³ of rough stone.** This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure 'A' of this minute.
 1. Keeping in view of MoEF&CC's notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
 2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They


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	<p>should also review the EC conditions to ensure that they have all been adhered to and implemented.</p> <ol style="list-style-type: none"> 3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life. 4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP. 5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. 6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections. 		
30.	<p>Proposed Rough Stone Quarry lease over an extent of 0.97.0 Ha at S.F. Nos. 51 (PART-3) of Allappanur Village, Thandrampattu Taluk, Tiruvannamalai District, Tamil Nadu by Thiru. J. Gunasekaran - For Environmental Clearance.</p>	9955	<p>The proposal was earlier placed in the 387th SEAC Meeting held on 28.06.2023. SEAC has furnished its recommendations for granting Environmental Clearance subject to the conditions stated therein. Subsequently, the proposal was placed in 637th SEIAA meeting held on 11.07.2023. Authority after detailed deliberation, noted that</p> <ol style="list-style-type: none"> 1. Based on the KML file uploaded by the proponent in Parivesh portal, it is ascertained that <ol style="list-style-type: none"> (i) Then Pennai River is located at a distance of 841m from the proposed mine lease area.


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			<p>(ii) The lands adjacent to the proposed site seems to have been quarried in both eastern and western side of the site.</p> <p>Hence, in the view of the above, Authority decided to call for additional details</p> <ol style="list-style-type: none"> 1. The proposed mine lease area appears to be a watershed and the contribution of surface runoff to Then Pennai river may be hampered. Hence, the proponent shall study the implications of the proposed activity to the river as mentioned above and shall submit mitigation measures. 2. Further, MS-SEIAA may obtain clarification from AD/Mines regarding the quarrying activity that appears to have been carried out in the adjacent lands in eastern and western direction. Further, AD/ Mines shall give his comments about the existing ground condition of the proposed mine lease area and the adjacent area as mentioned above. <p>Based on the above, proponent vide letter received by this office on 24.08.2023 submitted a reply.</p> <p>Based on the above reply submitted by the proponent, the proposal was again placed in 658th SEIAA meeting held on 26.09.2023 & 27.09.2023.</p> <p>The Authority after detailed deliberation, noted that</p> <ol style="list-style-type: none"> 1. Deputy Director, Geology and Mining, Tiruvannamalai vide Rc.No.06/Kanimam/2023, dated: 21.08.2023 had stated as follows
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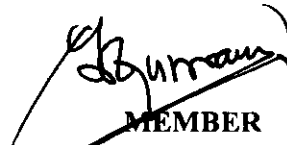
“...The Survey number 51 (Part-3); measuring an extent of 0.97.0 hecsts., is flanked on its east and west side with waste material generated from quarries and crushers of the area.

...Since the proposed and the adjoining areas of east and west directions are not stone quarried portions, appropriate orders may be passed by SEAC/SEIAA.”

After detailed discussions, the Authority taking into account the recommendations of SEAC and the comments given by Deputy Director, Geology and Mining vide letter mentioned above and also the safety aspects and to ensure sustainable, scientific and systematic mining, decided to grant Environmental Clearance for the quantity **97,770m³ of rough stone up to the depth of 35m (15m AGL + 20m BGL) and the annual peak production should not exceed 19,840m³ of rough stone.** This is also subject to the conditions imposed by SEAC, normal conditions stipulated by MOEF&CC in addition to the following conditions and the conditions in Annexure ‘A’ of this minute.

1. Keeping in view of MoEF&CC’s notification S.O.1533(E) dated.14.09.2006 and S.O. 1807(E) dated 12.04.2022, this Environmental Clearance is valid as per the approved mine plan period.
2. The EC granted is subject to review by District Collector, Mines Dept. and TNPCB on completion of every mine plan period, till the project life. They should also review the


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			<p>EC conditions to ensure that they have all been adhered to and implemented.</p> <p>3. The project proponent shall furnish a Certified Compliance Report obtained from MoEF&CC while seeking a renewal of the mining plan to cover the project life.</p> <p>4. The progressive and final mine closure plan including the green belt implementation and environmental norms should be strictly followed as per the EMP.</p> <p>5. As per the OM vide F. No. IA3-22/1/2022-IA-III [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the environmental conditions prescribed in the prior environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login.</p> <p>6. The amount allocated for EMP should be kept in a separate account and both the capital and recurring expenditures should be done year wise for the works identified, approved and as committed. The work & expenditure made under EMP should be elaborated in the bi-annual compliance report submitted and also should be brought to the notice of concerned authorities during inspections.</p>
31.	Proposed Name change amendment in Eariler EC from M/s. Lovely Chemicals to M/s. Ramco	407	The authority noted that Environmental Clearance was issued to the project proponent M/s. Lovely


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<p>Cements Limited at S.F.No.329/2, 3, 8, etc in Sivalarpatti Village, Vilathikulam Taluk, Thoothukudi District by M/s. Ramco Cements Limited.</p>	<p>Chemicals vide Lr.No. SEIAA-TN/F.No. 407/1(a)/EC-1061/2014 dated.18.02.2014.</p>
	<p>Subsequently, the project proponent M/s. Ramco Cements Limited, has submitted an application (Form – 7) in online through Parivesh portal for transfer of EC in the name of M/s. The Ramco Cements Limited from M/s. Lovely Chemicals.</p>
	<p>The Authority after detailed deliberation noted that</p>
	<ol style="list-style-type: none"> 1. M/s. Lovely Chemicals had obtained Environmental Clearance for expansion of Sivalarapatti Limestone Mine Lease – I, Extent – 7.67.5 Ha vide Lr.No. SEIAA-TN/F.No. 407/1(a)/EC-1061/2014 dated.16.02.2014 2. The validity of EC is for 5 years from the date of issue. Hence, the EC issued has lapsed on 17.02.2019. Hence, the proponent is requested to clarify whether any extension was obtained. If so the same shall be furnished. 3. Subsequently, the Lease has been transferred to M/s. The Ramco Cements Limited vide GO Ms No: 247 dt: 23.11.2020. 4. While transferring the lease, the extent has been reduced to 7.66.5 Ha by deleting the SF No. 329/8. The proponent is requested to clarify the reason for reduction in the extent. 5. In the view of the above, authority decided that the proponent's request for transfer of EC from M/s. Lovely Chemicals to M/s. The Ramco Cements Limited cannot be processed as there is a reduction of extent in


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			<p>the lease and subsequently deletion of SF No. 329/8.</p> <p>6. The proponent (M/s. Lovely Chemicals) is requested to apply for amendment (Form – 4) in online through Parivesh portal and subsequently name transfer shall be processed.</p> <p>7. Subsequently, the proponent has submitted an application in the PARIVESH Portal in Form - 4 vide Proposal No. SIA/TN/MIN/303595/2023 seeking amendment in the EC dated. 18.02.2014 for amending the mine lease area from 7.65.5 Ha to 7.67.5 Ha stating that the small variation observed is attributable to the error involved in the conversion of the lease area from acres to hectares.</p> <p>In view of the above, the authority after detailed deliberations, decided to process the proponent's request of amendment and name transfer after obtaining the following details from the proponent:</p> <ol style="list-style-type: none"> 1. The project proponent shall submit a Certified Compliance Report as per the MoEF&CC O.M dated.08.06.2022 for the previous EC obtained from SEIAA-TN dated.16.02.2014. 2. The proponent shall submit a copy of the latest scheme of mining approved by IBM.
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Annexure 'A'

a) EC Compliance

1. The Environmental Clearance is accorded based on the assurance from the project proponent that there will be full and effective implementation of all the undertakings given in the Application Form, Pre-feasibility Report, mitigation measures as assured in the Environmental


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Impact Assessment/ Environment Management Plan and the mining features including Progressive Mine Closure Plan as submitted with the application.

2. All the conditions as presented by the proponent in the PPT during SEAC appraisal should be addressed in Full.
3. The proponent shall submit Compliance Reports on the status of compliance of the stipulated EC conditions including results of monitored data. It shall be sent to the respective Regional Office of Ministry of Environment, Forests and Climate Change, Govt. of India and also to the Office of State Environment Impact Assessment Authority (SEIAA).
4. Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

b) Applicable Regulatory Frameworks

5. The project proponent shall strictly adhere to the provisions of Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006, Wildlife Protection Act, 1972, Forest Conservation Act, 1980, Biodiversity Conservation Act, 2016, the Biological Diversity Act, 2002, Biological diversity Rules, 2004 & TN Forest Act, 1882 and Rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter

c) Safe mining Practices

6. The AD/DD, Dept. of Geology & Mining shall ensure operation of the proposed quarry after the submission slope stability study conducted through the reputed research & Academic Institutions such as NIRM, IITs, NITS Anna University, and any CSIR Laboratories etc.
7. The AD/DD, Dept. of Geology & Mining & Director General of Mine safety shall ensure strict compliance and implementation of bench wise recommendations/action plans as recommended in the scientific slope stability study of the reputed research & Academic Institutions as a safety precautionary measure to avoid untoward accidents during mining operation.
8. A minimum buffer distance specified as per existing rules and statutory orders shall be maintained from the boundary of the quarry to the nearest dwelling unit or other structures,


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and from forest boundaries or any other ecologically sensitive and archeologically important areas or the specific distance specified by SEIAA in EC as per the recommendations of SEAC depending on specific local conditions.

d) Water Environment – Protection and mitigation measures

9. The proponent shall ensure that the activity does not disturb the water bodies and natural flow of surface and groundwater, nor cause any pollution, to water sources in the area.
10. The proponent shall ensure that the activities do not impact the water bodies/wells in the neighboring open wells and bore wells. The proponent shall ensure that the activities do not in any way affect the water quantity and quality in the open wells and bore wells in the vicinity or impact the water table and levels. The proponent shall ensure that the activities do not disturb the river flow, nor affect the Odai, Water bodies, Dams in the vicinity.
11. Water level in the nearest dug well in the downstream side of the quarry should be monitored regularly and included in the Compliance Report.
12. Quality of water discharged from the quarry should be monitored regularly as per the norms of State Pollution Control Board and included in the Compliance Report.
13. Rain Water Harvesting facility should be installed as per the prevailing provisions of TNMBR/TNCDBR, unless otherwise specified. Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.
14. Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the compliance reports to SEIAA.
15. Regular monitoring of ground water level and water quality shall be carried out around the mine area during mining operation. At any stage, if it is observed that ground water table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
16. Garland drains and silt traps are to be provided in the slopes around the core area to channelize storm water. De-silting of Garland canal and silt traps have to be attended on a daily basis. A labour has to be specifically assigned for the purpose. The proponent shall ensure the quality of the discharging storm water as per the General Effluent Discharge Standards of CPCB.

e) Air Environment – Protection and mitigation measures

17. The activity should not result in CO₂ release and temperature rise and add to micro climate alternations.
18. The proponent shall ensure that the activities undertaken do not result in carbon emission, and temperature rise, in the area.


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19. The proponent shall ensure that Monitoring is carried out with reference to the quantum of particulate matter during excavation; blasting; material transport and also from cutting waste dumps and haul roads.

f) Soil Environment – Protection and mitigation measures

20. The proponent shall ensure that the operations do not result in loss of soil biological properties and nutrients.

21. The proponent shall ensure that activity does not deplete the indigenous soil seed bank and disturb the mycorrhizal fungi, soil organism, soil community nor result in eutrophication of soil and water.

22. The activities should not disturb the soil properties and seed and plant growth. Soil amendments as required to be carried out, to improve soil health.

23. Bio remediation using microorganisms should be carried out to restore the soil environment to enable carbon sequestration.

24. The proponent shall ensure that the mine restoration is done using mycorrhizal VAM, vermin-composting, Biofertilizers to ensure soil health and biodiversity conservation.

25. The proponent shall ensure that the topsoil is protected and used in planting activities in the area.

26. The proponent shall ensure that topsoil to be utilized for site restoration and Green belt alone within the proposed area.

27. The top soil shall be temporarily stored at earmarked place (s) and used for land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. At critical points, use of geotextile shall be undertaken for stabilization of the dump. Protective wall or gabions should be made around the dump to prevent erosion / flow of sediments during rains. The entire excavated area shall be backfilled.

28. Activities should not result in invasion of site by exotic and alien plant and animal species and disturb the native biodiversity and soil micro flora and fauna.

g) Noise Environment – Protection and mitigation measures

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

30. The sound 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


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mining operations. Hence, the PP shall ensure that the biological clock of the villages are not disturbed because of the mining activity.

h) Biodiversity - Protection and mitigation measures

31. The proponent should ensure that there is no disturbance to the agriculture plantations, social forestry plantations, waste lands, forests, sanctuary or national parks. There should be no impact on the land, water, soil and biological environment and other natural resources due to the mining activities.
32. No trees in the area should be removed and all the trees numbered and protected. In case trees fall within the proposed quarry site the trees may be transplanted in the Greenbelt zone. The proponent shall ensure that the activities in no way result in disturbance to forest and trees in vicinity. The proponent shall ensure that the activity does not disturb the movement of grazing animals and free ranging wildlife. The proponent shall ensure that the activity does not disturb the biodiversity, the flora & fauna in the ecosystem. The proponent shall ensure that the activity does not result in invasion by invasive alien species. The proponent shall ensure that the activities do not disturb the resident and migratory birds. The proponent shall ensure that the activities do not disturb the vegetation and wildlife in the adjoining reserve forests and areas around.
33. The proponent shall ensure that the activities do not disturb the agro biodiversity and agro farms. Actions to be taken to promote agroforestry, mixed plants to support biodiversity conservation in the mine restoration effort.
34. The proponent shall ensure that all mitigation measures listed in the EIA/EMP are taken to protect the biodiversity and natural resources in the area.
35. The proponent shall ensure that the activities do not impact green lands/grazing fields of all types surrounding the mine lease area which are food source for the grazing cattle.

i) Climate Change

36. The project activity should not in any way impact the climate and lead to a rise in temperature.
37. There should be least disturbance to landscape resulting in land use change, contamination and alteration of soil profiles leading to Climate Change.
38. Intensive mining activity should not add to temperature rise and global warming.
39. Operations should not result in GHG releases and extra power consumption leading to Climate Change.
40. Mining through operational efficiency, better electrification, energy use, solar usage, use of renewable energy should try to decarbonize the operations.


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41. Mining Operation should not result in droughts, floods and water stress, and shortages, affecting water security both on site and in the vicinity.
42. Mining should not result in water loss from evaporation, leaks and wastage and should support to improve the ground water.
43. Mining activity should be flood proof with designs and the drainage, pumping techniques shall ensure climate-proofing and socio-economic wellbeing in the area and vicinity.

j) Reserve Forests & Protected Areas

44. The activities should provide nature based support and solutions for forest protection and wildlife conservation.
45. The project activities should not result in forest fires, encroachments or create forest fragmentation and disruption of forest corridors.
46. There should be no disturbance to the freshwater flow from the forest impacting the water table and wetlands.
47. The project proponent should support all activities of the forest department in creating awareness to local communities on forest conservation.
48. The project activities should not alter the geodiversity and geological heritage of the area.
49. The activities should not result in temperature rise due to increased fossil fuels usage disrupting the behaviour of wildlife and flora.
50. The activities should support and recognise the rights and roles of indigenous people and local communities and also support sustainable development.
51. The project activities should support the use of renewables for carbon capture and carbon storage in the project site and forest surrounds.
52. The project activities should not result in changes in forest structure, habitats and genetic diversity within forests.

k) Green Belt Development

53. The proponent shall ensure that in the green belt development more indigenous trees species (Appendix as per the SEAC Minutes) are planted.
54. The proponent shall ensure the area is restored and rehabilitated with native trees as recommended in SEAC Minutes (in Appendix).

l) Workers and their protection

55. The project proponent is responsible for implementing all the provisions of labour laws applicable from time to time to quarrying /Mining operations. The workers on the site should


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be provided with on-site accommodation or facilities at a suitable boarding place, protective equipment such as ear muffs, helmet, etc.

56. The proponent has to provide insurance protection to the workers in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.
57. The workers shall be employed for working in the mines and the working hours and the wages shall be implemented/enforced as per the Mines Act, 1952.

m) Transportation

58. 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.

59. 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.

n) Storage of wastes

60. The project proponent shall store/dump the waste generated within the earmarked area of the project site for mine closure as per the approved mining plan.

o) CER/EMP


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61. The CER should be fully Implemented and fact reflected in the Half-yearly compliance report.
62. The EMP shall also be implemented in consultation with local self-government institutions & Govt. departments.
63. The follow-up action on the implementation of CER Shall be included in the compliance report.

p) Directions for Reclamation of mine sites

64. The mining closure plan should strictly adhere to appropriate soil rehabilitation measures to ensure ecological stability of the area. Reclamation/Restoration of the mine site should ensure that the Geotechnical, physical, chemical properties are sustainable that the soil structure composition is buildup, during the process of restoration.
65. The proponent shall ensure that the mine closure plan is followed as per the mining plan and the mine restoration should be done with native species, and site restored to near original status. The proponent shall ensure that the area is ecologically restored to conserve the ecosystems and ensure flow of goods and services.
66. A crucial factor for success of reclamation site is to select sustainable species to enable develop a self-sustaining eco system. Species selected should easily establish, grow rapidly, and possess good crown and preferably be native species. Species to be planted in the boundary of project site should be un palatable for cattle's/ goats and should have proven capacity to add leaf-litter to soil and decompose. The species planted should be adaptable to the site conditions. Should be preferably pioneer species, deciduous in nature to allow maximum leaf-litter, have deep root system, fix atmospheric nitrogen and improve soil productivity. Species selected should have the ability to tolerate altered pit and toxicity of and site. They should be capable of meeting requirement of local people in regard to fuel fodder and should be able to attract bird, bees and butterflies. The species should be planted in mixed association.
67. For mining area reclamation plot culture experiments to be done to identify/ determine suitable species for the site.
68. Top soil with a mix of beneficial microbes (Bacteria/Fungi) to be used for reclamation of mine spoils. AM Fungi (Arbuscular mycorrhizal fungi), plant growth promoting Rhizo Bacteria and nitrogen fixing bacteria to be utilized.
69. Soil and moisture conservation and water harvesting structures to be used where ever possible for early amelioration and restoration of site.
70. Top soil is most important for successful rehabilitation of mined sites. Topsoil contains majority of seeds and plant propagation, soil microorganism, Organic matter and plant


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nutrients. Wherever possible the topsoil should be immediately used in the area of the for land form reconstruction, to pre mining conditions.

71. Over burdens may be analyzed and tested for soil characteristics and used in the site for revegetation. Wherever possible seeds, rhizome, bulbs, etc of pioneering spices should be collected, preserved and used in restoring the site.
72. Native grasses seeds may be used as colonizers and soil binders, to prevent erosion and allow diverse self- sustaining plant communities to establish. Grasses may offer superior tolerance to drought, and climatic stresses.
73. Reclamation involves planned topographical reconstruction of site. Care to be taken to minimize erosion and runoff. Topsoils should have necessary physical, chemicals, ecological, properties and therefore should be stored with precautions and utilized for reclamation process. Stocked topsoil should be stabilized using grasses to protect from wind. Seeds of various indigenous and local species may be broad casted after topsoil and treated overburden are spread.
74. Alkaline soils, acidic soils, Saline soils should be suitably treated/amended using green manure, mulches, farmyard manure to increase organic carbon. The efforts should be taken to landscape and use the land post mining. The EMP and mine closure plan should provide adequate budget for re-establishing the site to pre-mining conditions. Effective steps should be taken for utilization of over burden. Mine waste to be used for backfilling, reclamation, restoration, and rehabilitation of the terrain without affecting the drainage and water regimes. The rate of rehabilitation should be similar to rate of mining. The land disturbed should be reshaped for long term use. Mining should be as far as possible be eco-friendly. Integration of rehabilitation strategies with mining plan will enable speedy restoration.
75. Efforts should to taken to aesthetically improve the mine site. Generally, there are two approaches to restoration i.e Ecological approach which allows tolerant species to establish following the succession process allowing pioneer species to establish. The other approach i.e plantation approach is with selected native species are planted. A blend of both methods may be used to restore the site by adding soil humus and mycorrhiza.
76. Action taken for restoration of the site should be specifically mentioned in the EC compliances.

Annexure 'B'

Cluster Management Committee

1. Cluster Management Committee shall be framed which must include all the proponents in the cluster as members including the existing as well as proposed quarry.


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2. The members must coordinate among themselves for the effective implementation of EMP as committed including Green Belt Development, Water sprinkling, tree plantation, blasting etc.,
3. The List of members of the committee formed shall be submitted to AD/Mines before the execution of mining lease and the same shall be updated every year to the AD/Mines.
4. Detailed Operational Plan must be submitted which must include the blasting frequency with respect to the nearby quarry situated in the cluster, the usage of haul roads by the individual quarry in the form of route map and network.
5. The committee shall deliberate on risk management plan pertaining to the cluster in a holistic manner especially during natural calamities like intense rain and the mitigation measures considering the inundation of the cluster and evacuation plan.
6. The Cluster Management Committee shall form Environmental Policy to practice sustainable mining in a scientific and systematic manner in accordance with the law. The role played by the committee in implementing the environmental policy devised shall be given in detail.
7. The committee shall furnish action plan regarding the restoration strategy with respect to the individual quarry falling under the cluster in a holistic manner.
8. The committee shall furnish the Emergency Management plan within the cluster.
9. The committee shall deliberate on the health of the workers/staff involved in the mining as well as the health of the public.
10. The committee shall furnish an action plan to achieve sustainable development goals with reference to water, sanitation & safety.
11. The committee shall furnish the fire safety and evacuation plan in the case of fire accidents.

Impact study of mining

12. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area covering the entire mine lease period as per precise area communication order issued from reputed research institutions on the following
 - a) Soil health & soil biological, physical land chemical features .
 - b) Climate change leading to Droughts, Floods etc.
 - c) Pollution leading to release of Greenhouse gases (GHG), rise in Temperature, & Livelihood of the local people.
 - d) Possibilities of water contamination and impact on aquatic ecosystem health.
 - e) Agriculture, Forestry & Traditional practices.
 - f) Hydrothermal/Geothermal effect due to destruction in the Environment.
 - g) Bio-geochemical processes and its foot prints including environmental stress.


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h) Sediment geochemistry in the surface streams.

Agriculture & Agro-Biodiversity

13. Impact on surrounding agricultural fields around the proposed mining Area.
14. Impact on soil flora & vegetation around the project site.
15. Details of type of vegetations including no. of trees & shrubs within the proposed mining area and. If so, transplantation of such vegetations all along the boundary of the proposed mining area shall committed mentioned in EMP.
16. The Environmental Impact Assessment should study the biodiversity, the natural ecosystem, the soil micro flora, fauna and soil seed banks and suggest measures to maintain the natural Ecosystem.
17. Action should specifically suggest for sustainable management of the area and restoration of ecosystem for flow of goods and services.
18. The project proponent shall study and furnish the impact of project on plantations in adjoining patta lands, Horticulture, Agriculture and livestock.

Forests

19. The project proponent shall detailed study on impact of mining on Reserve forests free ranging wildlife.
20. The Environmental Impact Assessment should study impact on forest, vegetation, endemic, vulnerable and endangered indigenous flora and fauna.
21. The Environmental Impact Assessment should study impact on standing trees and the existing trees should be numbered and action suggested for protection.
22. The Environmental Impact Assessment should study impact on protected areas, Reserve Forests, National Parks, Corridors and Wildlife pathways, near project site.

Water Environment

23. Hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) so as to assess the impacts on the nearby waterbodies due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided, covering the entire mine lease period.
24. Erosion Control measures.
25. Detailed study shall be carried out in regard to impact of mining around the proposed mine lease area on the nearby Villages, Water-bodies/ Rivers, & any ecological fragile areas.


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26. The project proponent shall study impact on fish habitats and the food WEB/ food chain in the water body and Reservoir.
27. The project proponent shall study and furnish the details on potential fragmentation impact on natural environment, by the activities.
28. The project proponent shall study and furnish the impact on aquatic plants and animals in water bodies and possible scars on the landscape, damages to nearby caves, heritage site, and archaeological sites possible land form changes visual and aesthetic impacts.
29. The Terms of Reference should specifically study impact on soil health, soil erosion, the soil physical, chemical components and microbial components.
30. The Environmental Impact Assessment should study on wetlands, water bodies, rivers streams, lakes and farmer sites.

Energy

31. The measures taken to control Noise, Air, Water, Dust Control and steps adopted to efficiently utilise the Energy shall be furnished.

Climate Change

32. The Environmental Impact Assessment shall study in detail the carbon emission and also suggest the measures to mitigate carbon emission including development of carbon sinks and temperature reduction including control of other emission and climate mitigation activities.
33. The Environmental Impact Assessment should study impact on climate change, temperature rise, pollution and above soil & below soil carbon stock.

Mine Closure Plan

34. Detailed Mine Closure Plan covering the entire mine lease period as per precise area communication order issued.

EMP

35. Detailed Environment Management Plan along with adaptation, mitigation & remedial strategies covering the entire mine lease period as per precise area communication order issued.
36. The Environmental Impact Assessment should hold detailed study on EMP with budget for Green belt development and mine closure plan including disaster management plan.

Risk Assessment

37. To furnish risk assessment and management plan including anticipated vulnerabilities during operational and post operational phases of Mining.

Disaster Management Plan


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