STATE EXPERT APPRAISAL COMMITTEE - TAMIL NADU

Mittutes of 362" meeting of the State Expert Appraisal Committee (SEAC) held on 13.3.2029 (Monday) at SEIAA Conference Hall, 2" Floor, Panagal Maligal, Saidapet, Chernal 600 015 for consideration of Building Construction Projects & Mining Projects

Agenda No: 362-01 File No: 9545/2022)

Proposed Rough stone & Gravel quarry lesse: over an extent of 0,92.31 Hs in 5.F.No. 242/IA1A, 246/IB, 246/IC2, 246/IKI, 247/2A2A, 247/2A2B and 247/2A2CI Polipskiam Wilage of Stollinghur Taluk, Ranipet District. Tamil Nadu by Thiru A.M.Krishnan-For Environmental Cleanuss.

(EA/TN/MIN/403596/2022 Dent: 1E 10.2022)

The proposal was placed for appraisal in this 362** meeting of SEAC held on TILC3.2023. The circuit of the project furnished by the proposent are available on the FARIVERH web portal (pure-enuscing).

The SIAC noted the following

- The project proposent, Thiru AJAKrohnan has applied for Environmental Charance for the Proposed Bough done & Gravel querry lesse over an estern of 0.92.31 Ha in S.F.No. 242/IAIA. 246/IB. 246/IE. 246/ISI. 247/ZAZA, 247/ZAZB and 247/ZAZCI Polipubbars Village of Shofinghar Taluk, Barripet Diolog, Tainii Nodo.
- The project/activity is covered under Category "82" of here 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006, amended.

| fl. No. | Details of the Proposal | | | | | |
|------------|---|--|--|--|--|--|
| t | Name of the Owiver / First | Thiru A.M.Kisheun S/o Mani No SVHA, Arma Nogar Polipukkan Vilage & Post Shotleghur Taluk Kanipet District | | | | |
| 2. | Type of aparrying baseds / Baugh stone / Send / Gearsts) | Bough Some and Gravel | | | | |
| 3.7 | £3 No. otako queny die | 243/1A3A, 246/19, 2461C3, 246/193/247/2A2A, 247/2A29 and 247/2A2C1 | | | | |

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| 4. | Village | Folipakkam |
|-----|--|---|
| 5. | Tatus | Bullinghar |
| ĸ- | District | Kaniper |
| 7. | Extent of Quarry (In his.) | 0.92 31 He Putte land |
| 4. | Feriod of Quarrying proprient | 5 Years |
| 9. | Type of Mining | Open Cat - Mechaniant Mining |
| 10. | Production (Quantity in m') | As per the approved mining plan, Geological reverves: 2.30,600m² of Rough stone and 16,448 m² of Gravel to the uttimate depth of 22m 8GL 5-year Production: 53.236m² of Rough stone and 636 m² of Gravel. The armual peak production as per mixing plan in IL630 autm of Rough Stone. |
| 11. | Ultimate Depth of Mining | 27 m Below Ground Level |
| 4. | Latitude 6Longitude of all corners of the quarry alie | (\$107.03.49" N to 13103.06.78" N 29/28/90.23" E to 79/28/55.36" E |
| 11. | Topo sheet No. | \$7.0/QE |
| 14. | Man power responement | 18 1403 |
| 15. | Precise Area Correruptication | Br:No:/104/2020/Miner) Dated 22:07.2022 |
| 16. | Mining plan approved letter | Rc.Nn./104/20200Minery Durind 08-08-2022 |
| 17. | 500m inter | Rc.No./104/20200Minelij Dated 05.08.2022 |
| 18. | Stater requirement: 1. Drinking & domentic purposed (in \$1.0) 2. Dust Suppression (in \$1.0) & Green Belt (in \$1.0) | 1.00KLD 1.00KLD |
| 19 | Power requirement: s. Dome-Sc purpose b. Industrial Purpose | TNES 42702 then of HSD for entire life of mine |
| 20 | Depth of Water table | 53m |
| 21. | Whether any habitation within 300m distance | NV. |
| 22 | Project cod: | Rs. \$4,03,860/- |
| 23. | Total EMP cost for 5 years. | Rs 24,16,360/ |
| 24. | CER cost | Rs. S-D (skill) |
| 25 | WO tempor classed | 06.08.0022 |

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Based on the presentation and document furnished by the project proposers, SEAC decided to recommend the proposal for the grant of Environmental Clearance for a total excavation quantity of 53,236 m² of Rough store and 638 m² of Crewel to an ultimate depth of 27 m Below Cround Level and however the annual peak production shall not exceed 11,630 m² of Raugh Store as per the approved mining plan subject to the standard conditions as per the Annexure I of this minutes & normal conditions especially by MCRF &CC. In addition to the following specific conditions:

- The prior Environmental Clearance granted for this mining project shall be valut for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Nortication S.O. 1807(8) does 12,04,2022.
- The PF stall submit the "Notice of Opening" of the quarry to the Regional Impediar/Director of Miner Safety, Chemiai Region under the section 16 of the Miner Act, 1952 by appointing required statutory personnel and get the necessary statutory permission in accordance with the Reg. 3 of MMR 1961 before obtaining the CTO.
- The FP shall ensure that all the statutory competent persons and non-statutory workmen are undergone the 'Refresher' training under Mines Vocational Training Bules SWI in Group Vocational Training Centre, Salem.
- The mine manager and other statutory competent persons such as biaster (or)
 mine mute shall be appointed before the commencement of mining operation
 or per the provisions of Mines Act 1952 and Metallilerrous Mines Regulations,
 1961.
- The Propert Proportion shall turnish slope stability action plan to the concerned.
 AD (Mines) for the planned working by maintaining appropriate benders incorporating the haul road with proper gradient, before obtaining CTO from TNPCS.
- 6. However, the Project Proportent shall carry out the scientific studies to essent the stope stability of the benulus of the benches made in this quarry during 3° year of operation, by involving a reputed Research and Academic Institution supt as CSR-Certral Institute of Mining & Funt Kesserch (CIMFRE) Chambed.

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CHAIRMAN SEAC-ZN NIBM, IIT-Madrey, NIT-Dept of Mining Engs, Sunstitival and Arms University— CDG Campus. A copy of such scientific study import shall be submitted to the EDAA, McEF, TNPCB, AD/Mines-DCM sort DMS, Chennal as a part of Environmental Compliance.

- 7. Since few structures are lossified at a strikular or 100-400m, the Project Proportions carried out in the scientific studies on "Impacts of the blasting operations carried out in the surrounding villages and the prominent structures such as blast-included ground/air vibrations and fly rook", within one year of the commencement of rening operations, by instifying a regular Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research (CIMFR) / Obserbad, NIRM, ET-Madras, NIT-Dept of Mining Engg. Surethkal and Anna University CEG Cercus. A copy of subscientific study report shall be submitted to the SEIAA, MoSF, TNPCR. ADMINIOS-DGM and DMS, Cherossi as a part of Environmental Compilance.
- The Project Proponent shall not carry out the secondary rock breakage involving blasting operations and use only the non-explosive techniques such as rock breakers, etc.
- The Project Proporters shall ensure that the blasting operations shall be carried
 out during a prescribed time interval with a prior notice to the school/other
 lubitations attented pround the proposed quarry after heaving protest the
 sentines/guards attenuately to confirm the non-expansive of public within the
 danger zone.
 - 10. The Project Proponers shall use the jack harmoner drill machine final with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
 - The Project Proponent shall ensure that the blinking operations are carried out by the blaster/Mine Mate/Mine Fereman streetly employed by him as per the provisions of MMR 1961.
 - 13. The Project Propotent shall sarry out the tree plantation to asl as a barrier to reduce noise level and start pollution along the boundary of the purerying site considering the wind direction before obtaining the CTO from the TNPCB.

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CHAIRMAN BEAC- TN III. The Project Proporant shall also install necessary dust and noise extraction system around mineral handling area with proper endourse before obtaining the CTO from TNPCR.

14. Snot the quarry is located in the cluster, the Project Proposent shall ensure that compliance of the proximing given under the Mises Rules, 1955 for the

health and welfare of the penant employed therein.

15. The Project Proporent shall ensure that the funds earmarked for environmental profection measures should be kept in separate occurrir and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoSF & CC Ministry and its Integrated Segional Office (BICly located in

Chroniil.

III. The Project Proposent shall send a copy of the desirance letter marked to concerned Parabayat from whom any suggestion/representation has been

received while processing the proposal.

17. At par the MoEF& CC Office Memorandum F.No. 22-65/2017-(A.III dated)

30.09.2020 and 20.10.2020 the proponent itial softwor EMP furnished.

18. As accepted by the Project proponent the CER and is Rs. 5.0 lakh and the amount shall be used for the activities committed during SEAE appraisal before

uturning CTO from TNPCE.

Agenda No: 362-02 File No: 9552/20221

Proposed Rough stone & Gravel quarry lease over an extent of 2.69.50 Ha in S.F.No. 1/1, 1/5 & 1/6 Nallamur Village of Maduranthagam Taluk, Changalpatta District, Tamil Nadu by Thiru P. Lingara: - For Invironmental Clearance.

BIA/TH/MIN/404977/2022 Dated: 03.11.20223

The proposal was placed for appraisal in this 362rd meeting of SEAC held on 10.03.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (partnesh.nk.in).

The SEAC noted the following:

 The project proposent. Thins P. Lingson has applied for Environmental Clessance for the Proposed Rough stone & Gravel quarry trace policy an extent of 2.69.50 Ms in S.F.No. 1/1, 1/5 & 1/6 Multimur Village of Machinisthegan Tallyk, Chemical patts. District. Tamil Marks.

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CHAIRMAN HAC TH The project/activity is covered under Category "B3" of Item 10a) "Mining of Mineral Projects" of the Schedule to the ElA Notification, 2006, as amended.

| St. No. | D | etalls of the Proposal | | |
|------------|---|---|--|--|
| t. | Name of the Owner / Firm | Thiru F. Lingoni) Uro.Perlyacomy. No.1, Kamatuhi Magur. Pallawaram. Old Pallawarm. Kambipusam District - 600117 | | |
| L. | Type of quarrying (swords / Rough stone / Sand / Grants) | Rough Stone and Green | | |
| 1 | S.F.No. of the gurry site | 1/1; 1/9 4-3/6 | | |
| 4. | Vilage | Nafamer | | |
| | Teluk | Madurenthogam | | |
| 6. | Dient | Chergolpettu | | |
| 7. | Extent of Quarry (in he.) | 2.69.90 | | |
| 8. | Ute/lease period of Quarrying operation | 30 Years | | |
| y. | Type of Mining | Opencart Sent mechanized retaing method | | |
| 10. | Production (Quantity in m'). | As per the approved mining plan, Geological reserves: 7,11,792m² of Bough more and \$1,392 m² of Gravet to the 30m BGL 5-year Production: 1,38,116 m² of Rough stone and 32,416 m² of Gravet The annual peck production as per maning plan a 39,220 m² of Rough Stone | | |
| H. | Ultimate Depth of Mixing | 30 m Below Ground Level | | |
| 12. | Lattrade &Longitude of all correts of the quarry site | 12°24'59.41'N to 12°25'5.83'N 79°54'20.83'E to 78°54'29.23'E | | |
| U. | Tripo sheet No. | \$7.P/15 | | |
| 14. | Must plower requirement | 18 No. | | |
| 13 | Precise Area Communication | Bathin 8383/ Miner/ 2002 Detect 27,09-2022 | | |
| 16 | Mining gran approve letter | Rz.Nix, 3383/ Mines/ 2021 Dated, 26:10:2022 | | |
| 17 | 500m letter | RCNo. 3383/ Miney 2021 Dated 28.10-2022 | | |
| 10. | Water respicements | 4.79 MD | | |

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| | Drinking & domentic purposed (in kLD) Dust Suppression (in kLD) & Green Belt (in kLD) | 2,75 kLD 4.00 kLD |
|-----|---|--|
| 19. | Power requirement: i. Dismeriti purpose d. Industrial Purpose | Tives 117033 Hers of HSD for entire life of mine |
| 20. | Deprin of Weber table | 30m - 55m |
| 21. | Whether any fubilishm within 300m distance | NE |
| 22 | Project cost | Ri 1,47,73,450/- |
| 23. | Total EMP cost for 5 years | Ru 1,23,65,062/- |
| 34. | CER cost | Rs. 5.0 lekh |
| 25. | VAO etter dawd | 03:31:2022 |

Based on the presentation and documents furnished by the project proporers. SEAC stroided to recommend the proposal for the grant of Environmental Clearance for a production quantity of 34,116 m² of Rough stone and 22,436 m² of Gravel to as ultimate depth of 30 m Below Cround Level and however, the annual peak production shall not exceed 28,220 m² of Rough Rone to per the approved minute plan subject to the standard coorditions as per the Accretion 1 of this minutes 6 normal conditions stipulated by MOSF &CC, in addition to the following specific conditions:

- The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, wide MoEFACC Notification 5.O. 1807(E) dated 12.04.2022.
- The FF shall ensure that the gravel produced during the sparry operations are exclusively used for resignation activities and it shall be stored in a demarcated place within the price lease area.
- The PF shall submit the "Notice of Opening" of the querry to the Regional Impector/Obestur of Miner Safety, Chemnal Region under the section IS of the Miner Act, 1952 by appointing required statutory personnel and get the

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meaning statutory permission in accordance with the Reg. 3 of MMR 1961 before obtaining the CTO:

- The PP shall ensure that all the statutory competent persons and non-statutory sporkmen are undergone the "Initia" training under Mittel Vocational Training Rules 1961 in Group Vocational Training Centre, Salam (or) Trichy.
- 5. The Project Propertiest shall furnish slope stability action plus to the concerned AD (Miner) for the proposed quarry working by maintaining appropriate benches incorporating the hauf road with proper gradiers and proposed amalgamation with neighbouring quarry, before obtaining CTO from TNPCS.
- 6. However, the Project Proponers shall carry out the scannific studies to assess the stope stubility of the benches of the proposed quarry for) the benches made in all the quarren of this cluster vite collectively if amalgamumon is done and when the depth of the working touches 30 m, by involving a reputed Remarks and Academic Institution such as CER-Central Institute of Mining & Fuel Research (CIMFR) / Chardool, NIRM, RT-Madras, NIT-Dept. of Mining Englishantified and Arma University CEG Camput. A copy of such scientific study report shall be admitted to the STSAA. MoEF, TNPCB, AD/Minis-DGM and DMS, Chempsi as a part of Sindeptimental Compliance.
- 7. Since few structures are existing at a distance of 470 m, the Project Proposers that carry out the adjectific studies are "Comulative Impacts of the Iduating agentations carried out in the cluster mines on the commending utilizes and the prominent structures such as blast indused ground/six schrations and by rock within one year of the commentament of mining operations, by involving a regular Besearch and Academic Institution such as CSR-Central Institute of Mining Engs, furnithial and Ahna University CEG Campus, A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCR, AD/Minus DGAS and DMK, Chemist as a part of Environmental Compliance.
- The Project Proposent shall not carry out the secondary rock breakage involving blasting operations and use only the non-explinive transparer such as rock breaken, etc.

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- 9. The Project Proponent shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the school/other hybitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone.
- 10. The Project Proponent shall use the jack hammer shill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
- The Project Proponent shall assure that the blasting operations are carried out by the blaster/Mine Moto/Mine Foreman amployed by him as per the provisions of MMR 1961.
- 12. The Project Proportiest shall carry out the tree plantation to act as a barrier to reduce noise level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCE.
- The Project Proporant shall also install necessary dust and noise extraction system around mineral handling ones with proper enclosures before obtaining the CTO from TNPCB.
- 14. Since the quarry is located in the duster, the Project Proponent shall ensure title compliance of the provisions given under the Mines Rules, 1955 for the faulth and welfare of the persons employed therein.
- Us. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be divertest for other purpose, Yest-wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (BRO) located in Chemist.
- 16. The Project Proponent shall send a copy of the desirance letter marked to concerned Functional from whom any suggestion/representation has been received while processing the proposal.
- As per the MoSF&-CC Office Memorandum F.No. 22-65/2017-(A.III deed).
 30:09:2020 and 20:10:2020 the proponent shall adhere EMP furnished.

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38. As accepted by the Project proponent the CER cost is Rs. 5.0 lisks and the amount shall be upon for the activities correctified during SEAC appraisal before obtaining CTO from TNPCR.

Agenda Nor. 362-03 Für Nor. 9559/2022)

Proposed Rough stone, Jelly & Gravel quarry lease over an extent of 1.57.0 Hz in S.F.No. 216/3, 216/2A3, 216/2A3A Kettokuthagat Karisalkulam Village of Kariyapetti Talok, Viruchunagar District, Tamil Nadu by Thiru S. Gurusamy- For Environmental Cleanance. 28A/TN/MIN/405705/2022 Deced-07.11.3022)

The proposal was placed for appraisal in this 362* meeting of SEAC held on 10,03.2023. The details of the project furnished by the proposent are available on the PARIVESH web portal (partireth.rsc.in).

The SEAC moted the following:

- The project proposess. Thiru S. Gurusathy has applied for Environmental Clearance for the Proposed Rough state. July & Gravel query lease over an extent of 1,57.0 Ha in S.F.No. 216/1, 216/2A1, 236/2A2A Rattubuthagui Karisabutam Wilage of Kariyapath Taluk, Viriathanagar District, Tamil Nadu.
- The project/activity is covered under Category "82" of Item 100 "Mirring of Mineral Projects" of the Education to the ElA Notification, 2006, as amended.

| S. No. | Details of the Proposal | | | | | | | |
|-----------|---|---|--|--|--|--|--|--|
| 1. | Name of the Owtier / Firm | Thiro S. Guriality 753, K. Vilokiu; Thurmachineampetti Post Aruppukottsi Taluk Visudhanagar | | | | | | |
| 2. | Type of querrying baoutis / Rough stone / Send / Graning | Bough done, Jelly & Grand | | | | | | |
| 3. | S.F.Niss. of the guarry site | 216/1, 216/2A1, 216/2A2A | | | | | | |
| 4. | Village | Kartuluthegei Kerisulkulians | | | | | | |
| 4 | Taluk | Bartyspetti | | | | | | |
| 8 | Dunct | Virustrianager | | | | | | |
| 6. | Extent of Quary (in ha.) | 1.57.9.Hs | | | | | | |
| 8. | Period of Quarrying proposed | 3 Years | | | | | | |
| 8. | Type of Metrig | Open Cort - Sent Mechanisms Million / | | | | | | |

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| III. | Production (Quantity in mf) | As per the approved infring plan. Geological reserves: 3.75.000m² of Rough stone and 75.000 m² of Gravet to the 31m. |
|------|--|--|
| | | S-year Production: 70-D00m² of Rough stone and 22.6/3 m² of Gravel The annual peak production as per mining plan is 30,300 m² of Rough Stone |
| 10 | Existing Days's of Mining | 6 m |
| 12. | Ultimate Depth of Africa | Hm . |
| 14. | Latitude &Longitude of all corners of the quarry site | 09°37°52.8° N to 09°37°55.4° N 78°04′50.1° E to 78°04′48.8° E |
| 14. | Topo sheet No. | 56-K002 |
| 15. | Man power requirement | 10 Not |
| 16. | Precise Area Communication | Rc.No.KVI/347/2022 Kanimum Dated 25:07:2022 |
| 17. | Mining plan approval letter | Roc.NoRVI/947/2023 Detect 26.08.2022 |
| 16. | 300m letter | Roc.NoKV1/547/2022 Dated 26.08.2022 |
| 19. | Water requirement: 5. Drinking & domestic purposed (in kLD) 6. Dust Suppression (in kLD) 6. Green Box (in kLD) | 3.4 MD 0.94D 1.04D |
| 30. | Fower requirement: 6. Domestic purpose C. Industrial Purpose | THE |
| 21 | Depth of Water table | 45(p.50m |
| 22 | Whether any habitution within 300m distance | NII |
| 23. | Project cost | Rs. 37,02,050/- |
| 24. | Total EMP unit for 5 years | Ri 60.38,991 /- |
| 25. | CIR unt | Rs. 5-D tekin |
| 26. | VAO letter stated | 10.07,2022 |

Boned on the presentation and documents furnished by the present proporant, SEAC decided to recommend the proposal for the grant of Environmental Clesenton for a production guestry of 70,000 m² of Rough stone and 22,615 m² of Gravel to an

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ultimate depth of 31 m Below Ground Level and however, the annual peak production shall not exceed 20,300 m*nf Rough Stone as per the approved mining plan subject to the mandard sometions as per the American Lint this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific specificous:

- The prior finetrammental Clearance granted for this missing project shall be walled for the project life including production value as laid down in the mining plan approved and retreased by competers authority, from time to time, subject to a muslimum of story years, whichever is notice, vide MoSF&CC Modification S.O., 1807(E) dated 12.04.2022.
- The PP shall construct an embanisment having a bear width of not less than 2
 m and height of not less than 3 m with a proper garland chainage along the
 lease boundary directing towards the Condar river along and the adequate
 plantation shall be made for preventing the soil erosion.
- The PP shall submit the 'Notice of Operang' of the quarry to the Regional Inspector/Director of Mines Safety. Channal Region under the section 16 of the Mines Act, 1952 by appointing neurinal distutory personnal and get the enumery statutory permission in accontains with the Seg. 3 of MASS, 1961 before pitrateing the CTO.
- The PP shall ensure that all the sinfatory competent persons and non-stantory supricosm are undergone the 'Refresher' training under Mines Vocational Training Rules 1963 in Geoup Vocational Training Centre, Pandagoul Seri Teichy.
- The more manager and other statutory component persons such as biaster (or), more mate shall be appointed before the commencement of mining operation as per the provisions of Mores Act 1952 and Metalliferrous Mines Regulations. 1961.
- The Project Proponent shall familih dope stability action plan to the sanomed.
 AD (Mines) for the planned working by maintaining appropriate benches incorporating the heat meet with proper gradient, before attaining CTO from TNIPCS.
- However, the Project Propurent shall carry out the scientific studies to menthe perfect study of the benches of the proposed quarry (or) the benches made.

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in all the quarties of this cluster sits collectively if analgamation is done and when the depth of the working touches 30 in (6x) during the 3rd year whichever is earlier, by insolving a remaind Research and Academic Institution such as CSR-Central Institute of Mining & Fast Research (CIMFR) / Disartial, NIRM. ET-Madtes, NIT-Dept of Mining Engg, Scrathial and Anna University - C5G : Campus. A copy of such scientific study report shall be submitted to the SBAA. MoEF, TNPCB, AD/Minus-DCM and DMS, Chennal as a part of Environmental Carrigitation.

- 8. Within one year of the commonomers of mining operations, the Project Proponent shall carry out the hydrological studies on Cumulative Impacts of the coarrying operations on the water bodies located in the surrounding elliages, by moulying a reputed Research and Ausdretic Institution such as CSIR-Central Institute of Mining & Fael Research (CIMFR) / Dhanbad, NIRM, ET-Madrau, NIT-Dept of Mining Evgg, Sunshikal, University of Madras - Dept. of Ceology, and Anna University - CEG Campus - Dept of Geology, A copy of such scientific study report shall be submitted to the IESAA, McEF, TNPCB, AD/Mines DGM and DMS, Chennal as a part of Environmental Compliance...
- 9: The Project Proponent shall not carry out the recondary rock breakage: involving Statting operations and use mily the represiplative techniques such : as rock breakers, etc.
- 10. The Project Proponent shall ensure that the blasting operations shall be carried our during a prescribed time interval with a prior notice to the school/other habitations charted around the proposed query after having poded the sentrin/guards adequately to confirm the non-exposure of public within the changer store.
- 15. The Project Proponent shall on the jack hammer drill mathine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the rooms.
- 12. The Present Proponent shall ensure that the blasting operations are carried out by the blatter/Mine Mate/Mine Foreman employed by hiny at per the provisions of MMR 1961.

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- 13. The Project Proportent shall carry out the tree plantation to act as a better to reduce noise level and dust pollution along the boundary of the quarrying stesonaldering the wind direction before obtaining the CTO from the TNPCE.
- 14. The Project Proportent shall also initial receiving dust and noise extraction system around mineral handling area with proper enclosures before stituting the CTO from TNPCB.
- 15. Since the spany is located in the cluster, the Project Proposent shall ensure error compliance of the provisions given under the Mines Boles, 1955 for the health and welface of the persons employed therein.
- 16. The Project Proposent shall-ensure that the funds summarked for environmental protection measures should be kept in separate assource and should not be diversed for other purpose. Year-wist expenditure should be reported to the MoSF & CC Ministry and its Integrated Regional Office (IRQ) issued in Change.
 - 17. The Project Proponent shall send a copy of the slearance letter marked to concerned Fanchoyet from whom any augmstani/representation has been received while processing the proposal.
- 18. At per the MoER& CC Office Memorandum F,No. 22-65/2017-IA.III distrib. 3B.09-2020 and 20.10-2020 the proponent shall asthern EMP furnished.
- 19. As assepted by the Project proposent the CER sout is Rs. 5.0 lake and the amount shall be spent for the activities committed during SEAC appraisal before obtaining CTO from TNPCR.

Agenda No: 362-04 File No: 9567/2022)

Proposed Rough stone quarry lesses over an extent of 1.21.5 He in 5.F.No. 1579/2. Thummeresarwyskicenur Bit II Village of Andipetty Teluk, Theni District, Temil Nadu by Thiru P. Mayandi - For Environmental Cleanance.

(IIA/TN/MIN/406907/2022) Dated: 17.11.2022

The proposal was placed for appreiral in this 362* meeting of SEAC held on 10.03.2023. The details of the project furnished by the proposant are affailable on the BARIVESH web portal (partiests,ric.ts).

The SEAC nighed The following:

MEMBER SECRETARY SEAC-TN CHAMMAN "

 The project proponent. Thiru P, Mayandi has applied for Environmental Chearance for the Proposed Rough stone quarry lease over an extent of 1.21.5. He in S.F.No. 1579/2 Thirmsensensysikamer 8tt II Village of Andipatty Talak. There District, Tarrell Nodu.

 The project/activity is covered under Category "B2" of liters 1(a) "Mining of Mineral Projects" of the Schedule to the Eth Notification, 2006, as amended.

Bissed on the presentation reade by the proportent, the TEAC called for the following additional particulars from the PP.

- The FF shall furnish the certified compliance report obtained from MoEF&CC/TNPCB on the existing EC lossed.
- Considering the presence of high wall on one side of the existing pit, the PP instituments revised mining quantity is suggested.
- The PF shall enumerate the structures belonging to the owner/not belonging to the owner at a radial distance of 100m, 190m, 200m, 250m, 300m from the lease boundary.

On receipt of the same the Committee will further deliberate and decide on future course of action.

Altenda No: 362 - 05

File Not 9532

Proposed Cravel quarry lease over an extent of 4.68 Oha in S.F. No. 24/2 (P) & 25/191C at Stembleathanpetral Village, Parenti Taluk, Guddalore District Tamil Nadu by Tret.P.Indica - For Environmental Clearance, (SIA/TN/MIN/401732/2022/dated 29.09.2022)

The proposal was placed in this 362" SEAC meeting field on 13:03:2025. The project proposent has given a detailed presentation. The details of the project furnished by the proposent are given in the website (purived-nic.ird). The project proposent give detailed presentation.

SEAC passed the following:

 The Project Proposent, Trot P. Indies has applied for Environmental Clearance for the proposed Gravel quarry lease over an extent of 4.68.0hs in S.F. No. 24/3-19; 6-23/181C at Illandinathorpetral Village, Facrust Tatuit Cystosione

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CHAIRMAN SEAC-TN

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District: Tamil Nadia.

- The project/activity is covered under Category "82" of Item 1(a) "Mining Projects" of the Schedule to the EA Notification, 2006.
- The Production for the three years states that total quartity should not exceed.
 1.29.589 or of Gravel for depth of mining 5m AGL.

During the presentation, NEAC noted that from the KMI, file uplineded by the proponent in PARIVESH portal, that the proposed site has been quarted up to a depth of 3m approximately. Further, the precise area communication letter and more plan approval letter have not mentioned about the abrevald assarated area. Hence, AD/Mines shall impact the quarry site and give his convenents on the existing site condition.

Agenda No:362 - 06

File No: 9565

Proposed Rough Stone & Crawel quarry lease over an extent of 4.68.50ha in S.F. No. 735(P), 736(P), 737/3(P), 750/1(P), 2(P),751/1, 2, 752/1, 2, 753/1, 2A, 28 & 754/1A(P), 1(B(P), 1C, 1D(P), 1E at Achterodevillian Village, Srivilliputhur Taluk, Virudhungar District Tamil Nadu by Thiru. P.V.Lakshmi Narayanan - For Environmental Clearance. (NA/TN/MIN/405906/2022/sheed 71.11.2022)

The proposal was placed in this 362" SEAC meeting held on 1E.03.2023. The project proposent has given a detailed presentation. The details of the project lumished by the proposent are given in the website (periverh sic.in). The project proposent gives detailed presentation.

SEAC noted the following:

- The Project Proponent, Third. P.V.Lakshnit Nazayanan has applied for Environmental Clearance for the Rough Stone & Gravel quarry lease over an extent of 4.66.50hs in 5.F. No. 7350PJ, 7360PJ, 737/30PJ, 750/10PJ, 20PJ, 753/1, 2, 752/1, 2, 752/1, 2A, 2R & 754/1A(PJ, 10R(P), 1C, 1D(P), 1E at Achehamanikhan Villoge, Intellipathur Talak, Virusthanagar Dienke, Tamil Nada.
- The project/activity is sovered under Category "\$2" of Bern 1(a) "Mining Projects" of the Edverhale to the ElA Notification, 2006.
- The lease period is for 30 years and the mining for the entire period of first five years should not exceed 3.79.525m² of Rough Stone and USO.330 m² of Grapet Up to 35m BCL and 2.67.575m² of Rough Stone for pagend five years.

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CHARIMAN SEAC-TN The annual pasis production is VL375 cu. m of Rough Stone. The sitimuse shorth of rousing is 45m BGL.

The proposal is for mining of Rough Stone; the inflem features of the proposal are as follows:

| SI. No | Details of the Proposal | H | Outs Furnished | |
|-----------|--|-------------------|--|--|
| | Name of the Owner/Firm | The second second | Thinu. P.V.Lekshovi Neuroperson Sro, P. Verekatasseny. 1-1-92/S. Rizz Mill Street. Lakshovipurson, Peripakulian Taluk. Thesi Disoria: | |
| 7 | Type of quarrying | H | Raugh Stone and Gracel | |
| 3 | 3.F Niz. of the quarry rise | | 735(P), 736(P), 737/3(P), 730/1(P), 2(P),751/1, 2, 752/1, 2, 753/1, 2A 28 & 754/1A(P), 1(8(P), 1C, 1D(P), 1E | |
| 4 | Village in which altrained | 17 | Achchamdavlitten | |
| 8 | Table in which stusted | н | Erreilligsethur | |
| 6 | District in which strusted | 17 | Viruchionager | |
| 7 | Extent of quarry (in ha.) | Ŧ | 4.48.50 He | |
| 11 | And Analysis and the College C | | 09°26°05.8°N to 9°26°18.2°N 77°40°29.4°E to 77°40°33.0°E | |
| 9. | Topd Sheet No. | п | 58-G/11 | |
| 10 | Type of mining | | Openingst Semi-Mochanism Mining | |
| T | Period of quarrying proposed | T | IO years | |
| 12 | Production (Quartity in m²) | 1 | First five years - 3,74,125m ² of Sough Stone and 1,30,330 m ² of Gravel. Second five years - 3,67,575m ² of Rough Stone. | |
| 13- | Ultimate Depth of quarrying | TE | 43m BCL | |
| 14 | Deptil, of water table | 13 | 50 - 55m BCA | |
| 15 | Man Power requirement per day | | 25 Nos | |
| 10. | Water resparements | T | 4.0 KLD | |

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| | Oresking & domentic purposes Dust supprension Green Selt | | 1.0 KLD 1.5 KLD 1.5 KLD |
|-----|--|---|--|
| 13 | Fower requirement a. Domestic Purpose b. Industrial Furpose | 1 | THER 1.75.775 Liters of HSD will be utilized for the five years. |
| 10 | Preside area communication approved by the Diorist Collector, with date | i | 851/1175/2021, Defect: 20:09-2022 |
| 19 | Mining Plan approved by Dopully Director, Department of Geology and Mining with date | | IIVI/II75/2021, Dreed: 07.10.3022 |
| 210 | Deputy Director, Department of Geology and Mining 500m duster letter | 1 | EVI/II75/2021, Dated: 07:10:2022 |
| 21 | VAO ortificate regarding 300m natus dister | ī | Letter dated; 02.06.2022 |
| 22 | Project Cost (excluding EMP cost) | | Rt. 2.44.93.650i- |
| 23 | EMP cost | ì | Capital Cost - Rs. 30,18,000 Recurring Cost - Rs. 24,60,000 |
| 24 | CER cort | П | Bs. 5.00,000 |

The proposal is now placed in the 362-15EAC meeting held on 13.03.2023. Based on the presentation and documents familihed by the project proposest, SEAC noted that a W.P. (MD) No. 1593 of 2023 is pending with Madural Bench of Madras High Court and decided to recommend the proposal for the grant of Environmental Clearence subject to the outcome of the above mentioned Web Petition for an ultimate depth-of mining up to 45m BGL and the production of 3,74,125m* of Rough Stone and 1.50,330 m* of Gravel for first five years and 2,67,375m* of Rough Stone for wound five years, Haveneyer, the annual peak production shall not assessed 91,375 m*of Boogh some subject to the standard conditions to per the Annexum I of this minutes & normal conditions stipulated by MOSF&CC. In addition to the following specific specificant

 The prior Environmental Clearance granted for this mining presest shall be waited for the project life including production value as laid down in the mining

MEMBER RECRETARY SEAC -TN

SEAC-TN

- plan approved and renewed by competent authority. From time to time, subject to a maximum of themy years, whichever is earlier.
- The PP stull submit the "Notice of Opening" of the querry to the Regional Impector/Director of Mines Safety, Chennal Region under the section 16 of the Mines Act. 1952 by appointing required statutory personnel and get the necessary statutory permission is accordance with the Reg. 3 of MMR 1961 before obtaining the CTO.
- The PP shall ensure that all the naturary competent persons and non-statisticity workmen are undergone the "Initial" training under Mines Viscotional Training Bules 1961 in Copup Viscotional Training Centre, Pandalgudi (or) Trichy.
- The mine manager and after statutory compened persons such as blaster (or)
 mine mate shall be appointed as per the provisions of Mines Ad 1952 and
 Metalliferopi Mines Regulations, 1968 before the obtaining the CTO from the
 DES/TNPCB.
- The proponent shall maintain the "\$3 (or) G2" type of fending all around the boundary of the proposed working quarry with gates for encry/soil before the commencement of the operation is recommended in the DGMS Crouke. 10/1999 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
- Further, the PP shall maintain the guitand drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.5 / 10 m as 0 is designed to take care of run-off water (size, gradient and length) before obtaining the CTO from TNPCB.
- The RP shall arease that the benches & hour rood are properly designed and formed in accordance with the provisions of MMR 1991.
- 8. The Project Proponent shall furnish stope dubility action plan to the concerned.
 AD (Mines) for the planned working by maintaining appropriate benches incorporating the hauf road with proper gradient, before obtaining CTO from TNPCB.
- However, the Project Proposent shall carry out the scientific studies in assess the slope diability of the brockes of the proposed quarry (or) the brockes made in all and business of this cluster site collectively if amalgamatism of done and

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when the depth of the working touches 30 m (or) sharing the 3" year schickener is earlier. By Involving a registed Research and Academic Institution such as CSIR-Cereval Institute of Mining & Fuel Research (CDMFR) / Dhanbad, NSRM, IIT-Madros, NIT-Dept of Mining Engs, Sunishkal and Anna University – CEG Cemptis. A copy of such identific study report shall be submitted to the SEIAA. MoEF, TROPCS, AD/Mines-DGM and DME, Chemisi as a just of Divisionmental Compliance.

- 10. Since few structures such as bus-dop are located within 300 m, The PP shall sarry our ONLY ONE sound of controlled brief per day, restricted to the maximum of 40 to 60 number of have per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Partice Velocity) measured in the houseystructures located at a distance of 300 m shall not excent 2.0 most and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 stays to reduce the environmental impacts effectively.
- II. However, within one year from the continuement of mining operations, the PP shall carry out the scientific studies on 'Design of Blast parameters for reducing the respect of blast-indused ground/air vibrations and by rock caused also to operation of the quarry by adopting appropriate controlled blasting techniques,', by involving a repoted Research and Academic feetination such as CSIR-Central institute of Mining & Fari Research (CIMFR) / Disarbed, NIBM, BT-Madras, NIT-Dept of Mining Engg, Surathkal and Arras University CEG Comput. A copy of such scientific study report shall be submitted to the SBAA, ModEF, TMPCR, AD/Mirres-DGM and DMI, Chernoli as a part of Environmental Compiliance.
- No "Deep-hote large diameter sittling and blasting" is permitted in the proposed quarry.
- 13. The PP shall use the jack harmener drift machine fitted with the dust extractor for the drifting operations such that the fugitive dust is controlled effectively at the source.

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CHARIMAN REAC TN 14. The FP shall engage that the bitating operations are sample out by the Slarter/Mine Mam/Mine Fonemen employed by him to accordance with the provisions of ASAR 1961 and it shall not be corred out by the persons other Than the above statutory personnel.

15. The FF shall emure that the blasting operations shall be carried out during a prourbed time interval with a prior notice to the habitations abusted around the proposed quarry after having posted the antries/guards adequately for confirm the non-exposure of public within the danger zone of 500 m including the bus-dop & Ask-book Plant, from the bookdary of the quarry.

16. The PP shall enume that the sentries are posted at the either side of the highway. / road to prevent the entry/presence of the persons at the time of the blading. and that submit a Sondard Operating Procedures (SOP) accordingly prepared for the Masting operation to the AD (Mirer) & DEE/TNPC# before obtaining the CTO:

17. The PP that nettralisatly carry out the mitigation measurer as spell out in the revised EMP.

16. The Project Proportiest shall ensure that the funds earmarked for environmental protestion measures should be kept in separate aurount and should not be diversed for other purpose. Your-wise expenditure should be reported to the MiSEE CC Ministry and its Integrated Regional Office (IRO) located in Charman

19. The Project Proponent shall send a uppy of the dearsnot letter marked sitsongertied Panchayat from whom any suggestion/representation has been received while produving the proposal.

20.A) per the MoEFs, CC Office Memorandum F.No. 22-65/2017-(A.III dated) 30.09.2020 and 20.50.2020 the proponent shall adhere EMP furnished.

21. As accepted by the Project proportion CER and is Rs. 5 habs and the amount shall be upon for the Covernment Middle School, Alamipetti as sommitted, before obtaining CTO from TNPCS.

Agenda No: 362-07 (File No: 9547/2022):

Proposed Rough Stone & Cravel quarry Lease over an extent of 0.94.5 Ha af 5.F.No. 539/23A, 539/23B, 539/23C, 539/23D, 539/23E & 537/6 In Lembalakufi Village,

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Thinuneyem Taluk, Pudukottei District, Tamil Nadu by Thiru.N.Ananth - For Environmental Clearance (BA/TN/MIN/N05487/2022 disced 05:11,2022)

The proposal is placed for appraisal in this 262" KEAC meeting held on 13-DE-2023. The details of the project furnished by the proponent are given in the website (partiesh nic.in).

SEAC moted the following:

- L. The Project Proposets, Thiru.N.Ananth has applied for Environmental Clearance for the Proposet Rough Stone & Gravel quarry Lease over an extent of 0.94.5 Hz at: 5.F.No. 339/23A, 339/23B, 339/23B, 539/23D, 539/23B & 337/6 in Lembalakust Wilege, Trimmayam Taluk, Publishmat District, Tamil Nado.
- The project/schirty is covered under Category "B2" of Item 10g "Mining Projects" of the Schedule to the EIA Notification, 2006.
- 3. The salient features of the project are as hillowy.

| Si. No | Details of the Proposil | Data Furnished |
|-----------|---|--|
| I. | Nume of the Owner/furn | Thiru,N. Acanth. 5/o. Nagari Devar. No.4/161, Keels Street. Lembalakuti Post, Thirumayam Taluk. Puskakattai Dutrat - 622 412. |
| 2 | Type of quarrying (ferratic/Rough Stone/Send/Granite) | flungs from & Gravet Quarry |
| 3 | LF No. Of the quarty in | 539/23A, 539/23B, 539/23C, 839/23D, 539/23E & 537/8 |
| 4. | Village in which stuated. | Lembelskudi |
| 3. | Taliak in which situated | Thirumeyon |
| T. | District in which allumed | Podakottai |
| 7 | Escent of quarry (to ha.) | 0.96.5 to (Patts Land) |
| | Latitude & Longitude of all corners of the quarry dis- | 38"44"14.8017"E to 78"44"10.2754 "E |
| 9 | Tops Sheet No. | 58 4/15 |
| 10 | Type of mining | Opencart Serri-Mechanized Mining |
| 31 | Lease Period of querying proposed | 5 years A |
| 13 | Production (Quantity in m') | 37,235m² of mogh stone, A936 m² of weathered rock & 5252m of gravel |

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| 13 | Ultimate Depth of Mining | Ji4m Below Ground Level | | | | |
|-----|---|--|--|--|--|--|
| 14. | Depth of water table | SSin Below Ground Level | | | | |
| 15 | Man Power requirement per days | 18 No. | | | | |
| 16 | Water requirement: | 1.8F KLD | | | | |
| | 1. Drinking & domestic purposes | 0.8116.0 | | | | |
| | 2. Dust suppression | 0.50 KLD | | | | |
| | 3. Green Belt | 0.50 KLD | | | | |
| 13 | Power requirement | 63.699 litres of HED for the entire project life | | | | |
| 18 | Precise area communication approved by the Annitest Director, Dept. of Geology & Mining with date | Rr.No.376/2022(G&M) Dytest: 07:07:2022 | | | | |
| 110 | Mining Plan approved by the Ankiant. Director, Dept. of Geology and Mining with stare | Rc No.376/2022(GGM) Deted: 37.07.2022 | | | | |
| 20 | 500m dutter letter listed by the Austhor Director, Dept. of Geology and Mirror with date | | | | | |
| 21 | VAO certificate regarding habitations in 300m radius | 18.08.3022. | | | | |
| 22 | Project Cost textfuding EMP) | RL4E/88.000/- | | | | |
| 23 | EMP mit | Capital Corr: Rs.B.Df,000/- Resurring Cort: Rs.9;46,740/- | | | | |

The Committee, taking into consideration the safety aspects, decided to recommend the proposal for the great of Environmental Cleanance for the revised bench height and revised quantity at follows:

| YEAR | Setton | Seah | E (H) | (0) (0) | D (m) | Volume III Md | Recoverable Reserves in m3 gt 100% | Weathered Rock III and | Grave in mit |
|------|---------|------|----------|------------|----------|------------------|--|---------------------------|-----------------|
| | XY-AB | 177 | 42 | :53 | 2 | | | | 4452 |
| | | | 42 | 49 | 2 | | | 4136 | |
| * | | 38. | 42 | 45 | 3 | 9450 | 9450 | | |
| YEAR | SAL MIN | - 1 | 35 | 12 | 2 | | | | 840 |
| | XY-CD- | - 1 | -80 | 10 | 2 | | | 829 | |

MEMBER HERETAKY

CHAIRMAN SEAC TN

| | | NO TO | | - | | 76695 | 76695 | 4936 | 5292 |
|-------------|-----------|-------|------|-----|------|-------|--------------|------|------|
| | | 1X | TOT | 17 | - 29 | 19030 | 19530 | | - |
| | XY-CD | VIII | 45 | 27 | 3 | 8075 | 6075 3400 | | - |
| YEAR. | 200912 | VII | 50 | 37 | 3 | 9250 | 9250 | | - |
| W | | tix. | 27 | | 5 | 110 | 11.0 | | |
| | XY-AE | VIII | 27 | | . 5 | 135 | 135 | | |
| | | All | 12 | 1 | * | 160 | 160 | | |
| 1200 | MACD. | TOTAL | | | | 15700 | 15700 | | |
| YEAR | XY-CD | W | 55 | 47 | .5 | 12923 | 12925 | | |
| YEAR. | XY-AB | VI | 37 | .15 | 5 | 2775 | 2775 | | |
| | XY-CD | | TOT | AL | | 17100 | 17100 | | |
| 111- | | V | 60 | 57 | * | 17100 | 17100 | | |
| | | | TOT | AL. | | 13755 | 13755 | | |
| II. YEAR | xy-cn | W | 56 | 1 | 3 | 290 | 280 | | |
| | xy-ah | V | 42 | 25 | 3 | 5250 | 5250 | | |
| | Section 1 | (V | -437 | 35 | 2 | 8225 | 8225 | | |
| | | | TOT | AL. | | 11010 | 11010 | 4936 | 5292 |
| | | 111 | 29 | | .5 | 1960 | 1560 | | Ti . |

As per the revised mining plan, the production quantity is 76,695mf of rough stone recoverable, 4936mf of weathered rock & 5292mf of gravel for an ultimate depth of 34m below ground level.

SEAC decided to recommend the proposal for the grant of Environmental Clearance for the revised total production quantity of 76,695m* of rough stone recoverable, 4936m* of weatherest rock 6.3292m* of gravel with arroual peck production capacity not exceeding 19,130m* of rough stone for ultimate depth of 34m below ground level subject to the standard conditions at per the Amesium of this militate 6 normal conditions at pulping by MOSF&CC, in addition to the following specific

MEMBER SECTION

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- The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification 5.0, 1807(5) clered 12.04.2022.
 - The proporent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
 - The PP shall ensure that all the statutory competent persons and non-statutory workmen, are undergone the "Betresher" training under Mines Vocational. Training Rules 1963 in Group Vocational Training Centre, Trichy.
- 4. The Project Proponent shell furnish stope stability action plan to the conserved AD (Mines) for the planned working by maintaining appropriate benches incorporating the haul road with proper gradient as the depth of the proposed quarry is exceeding 30 m, beture obtaining CTO from TNPCB.
- 5. However, the PP shall carry out the scientific dudies to assess the slope stability of the benches and quarry wall when the depth of the quarry working touches 30 m ton; within the commencement of two years of quarrying operation whichever is earlier, by involving any of the reputed Research and Academic Institution such as CSIR-Central buttlute of Mining & Foel Research / Dhanbad, NIRM, IIT-Madros, NIT-Dept of Mining Engy, Sunstition, and Anna University Channai-CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Minec-DGM and DMS, Cherysai as a past of Environmental Compliance without any deviation.
- Ferential maintenance of harlage road/village / Functional Road shall be done by the present proporant as required in sonnextion with the streamed Govt. Authority.
- 7. The proposent shall maintain the '13 (or) G2' type of fending all around the boundary of the proposed working quarry with gates for empylesh before the commencement of the operation is recommended in the DGMS Cleader, 15/1909.

MEMBER SECRETARY

CHAIRMAN SEAC-TN and shall furnish the photographs showing the same before obtaining the CTO from YMPCB.

- 8. Further, the PP shall mannain the garland oran with proper size, gradient and length along the boundary of the pit leaving belief the mandatory railety zone of 7.5 m as it is designed to take care of non-off water (size, gradient and length).
- 9. Since the habitations are situated at a distance of 300 m from the aparty lease boundary, the PP shall obtain necessary permission to carry out the blasting operation from the Director of Mines Salety, Chemial Region after executing the lasse under the provisions of MMR 1961 at the time of sonding the "Notice of Opening" and also to carry out the scientific studies on design of controlled blasting for reducing the impact of blast induced ground/air vibrations and by rock to the proposed quarry, within dis months from the commencement of mining operations by involving a reputed Research and Aupdemic Institute and Mining & fuel Research (CIMFR) / Dharbod, NiRM, ST-Madras, NIT-Dept of Mining Engs, Surathical, and Anna University Chemistic CEG Campus, etc. A copy of such scientific study report shall be submitted to the SEIAA, Modif. TNPCE, and DMI. Chemist as a part of Environmental Compliance.
- 10. The PP that furnish a blandard Operating Procedure for the safe method of carrying that the blanding operation to the concerned DEE/TNPCB before obtaining the CTO from the TNPCB.
- The Project Proponent shall ensure that the funds exmanked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Your wise expenditure should be reported to the MoEF & CC Ministry and its Integrated Regional Office (RO) instead in Chemia).
- 12. The Project Proponent shall send a copy of the clearance letter marked to a syncerned Parahayat from whom any suggestion/representation has been received while processing the perspecial.
- At per the MoEP6, CC Office Memorandan F.No. 22:65/2017-IA.III detect.
 30:09:2020 and 20:30:2020 the proportion shall aithers EMP tylined.
- 14. As accepted by the Project proponent the CER cost is Rs. 5 lakes and the around

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CHAIRMAN SEAC TN thall be spent towards the Americangues Government Primary School for the committed activities as committed, before obtaining CTD from TNPCE.

Agenda No: 362-08

(File No: 9569/2022)

Proposed Rough Stone & Gravel quarry Lasse over an extent of 2.57.00 Ha at \$.F.No.: 12/2A, 12/2Cl, 12/2C2, 13/IA1 & 13/2 in Nallamur Village, Machurenthakam Taluk, Chengalpattu District, Tamil Nadu by Thinu D.Rajapandian – For Environmental Clearance (IIA/TN/MIN/N06458/2022 dated 15.11.3022)

The proposal is placed for appraisal in this 362⁻² SEAC meeting held on 13.03.2025. The circuit of the project furnished by the proponent are given in the website (partiesh,nic,in).

SEAC noted the following:

- The Project Proposed, Thru D.Rajapandian has applied for Environmental Clearance for the Proposed Resign Score & Grasel quarry Lease over an extent of 2.57.00 Hz at 5.F.No. 12/2A, 12/2CI, 12/2CI, 15/3AI & 13/2 in National Village, Machinesorthakum Takidi, Chengolpottu District, Tamil Natio.
- The project/activity is covered under Category "B2" of item I(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
- 3. The salant features of the project are as follows:

| g. No | Details of the Proposal | Data Furnished | |
|----------|---|---|--|
| £ | Name of the Owner; Tinn | Thins: D: Rapigumilians. 170: Dhanesekaran. No.7: Durai Raj Street, Devaraj Nagar: Saligramam. Chermai – 600 093. | |
| 3 | Type of quarrying (SavurtioRough Stone/Sand/Granite) | Rough Stone and Gravel Quarry: | |
| 1 | S.F.No. Of the quarry site with area break-up | 12/2A, 12/2C1, 12/2C2, 13/1A3 and 13/2 | |
| 4 | Village in which stusted | Natemur | |
| 50 | Taken in selects attained | Madhuránthaliam | |
| 6 | Dianot in which stunied | Changabathu | |
| 7 | Extent of quarry (in he.) | 2.57,00 hr | |

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| 8 | Latitude & Longitude of all comen of the quarry site | 12'25'03.57'N to 12'25'09.95'N 79'54'32.91'E to 79'34'44.74 'E |
|-----|---|---|
| 9 | Topo Sheet No. | 57-9/15 |
| 10 | Type of mining | Openiori Mechanized Mining |
| 11 | Laure Period of quarrying propused. | 10 years |
| 12 | Production (Quantity in m) | 2.55,580 m3 of Rough Stone, 19,316 m3 of Westferred Rock and 59,706m3 of Gravet |
| W | Ultrinate Depth of Mining | 34m Below Critish Level |
| 14 | Depth of water table | 58m Below Grazind Level |
| 15 | Man Fower requirement per day: | 23 Nos. |
| NA. | Water requirement: 4. Drivking & domestic purposes 5. Dust suppression 6. Green Bett | 2.5 ×1.0 1.0 ×1.0 0.75 ×1.0 0.75 ×1.0 |
| 17 | Power regularment | 81,785 litrer of HSD for the entire propert life |
| lm: | Precise area communication approved by the Amittant Director, Dept. of Geology & Mining with date | Rc.No.4104/Mines/2022, Dated: 07.10.2022. |
| 19 | Mining Plan approved by the Assistant Director(v1). Dept. of Geology and Mining with date | Rr. No.4104/Minery2022. Detect: 11.10.2022. |
| 20 | 500m cluster letter issued by the Assistant Director(Vs). Dept. of Geology and Mining with date | Rij, No.4504/Mihery/2022. Dated: 11.10.2022. |
| 21 | VAO certificate regarding habitations in 300m radius | |
| 22 | Project Cost (excluding EMP) | Ri.69.92.000/- |
| 23 | EMP cod | Capitul Cost: No.17.66.000/- Recording Cost: Ro.20.44.400/- |

based on the presentation and documents funtitived by the project proposent, after detailed deliberations, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the 2,95,580 m3 of Rough Rose, 19,356 m3 of Weathered Rock and 39,706m3 of Gravel for an ultimate depth of 34m from ground level with enrual peak production not exceeding 51,590m2 of rough done, subject to the standard conditions as per the Americana of this minutes & normal conditions or conditions of the Informing specific conditions.

1. The prior Environmental Clearance granted for this mining project shall be writed

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for the project life including production value as laid down in the mining plan approved and reterwed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoEF&CC Notification S.Cl. 1807(E) dated 12.04.2022.

- The FF shall inform the notice of opening of the quarry to the Director of Mixes fatiny (DMIQ/Chennal Region and get the necessary statutory permission under the MMR 1961 betwee obtaining the CTO.
- The mine manager and other statutory competent person such as blader (or) wine mate shall be appointed as per the provisions of Mines Act 1992 and Metalliferous Mines Regulations. 1962 before the obtaining the CTO from the DES/TNPCB.
- 4. The proposent shall maintain the '53 (or) G2' type of fending all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DCMS Circular, 15/1959 and shall furnish the priotographs showing the same before obtaining the CTO book TNPCB.
- Further, the PP shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatury safety zone of 7.5 / IO in as it is designed to take some of run-off water blos, gradient and length) before obtaining the CTO from TNPCE.
- The FP shall ensure that the benuher 5, hour road are properly disigned and formed in accordance with the provisions of MMR 1991.
- No 'Deep hole large diameter driffing and blasting' is permitted in the proposed squarty.
- B. The PP shall use the jack harmoner drill machine fitted with the shot extractor for the diffing operations such that the highlive start is controlled effectively at the returns.
- The PP (half ensure that the blanting operations are carried out by the blatter/Mine Mate/Mine Foreman employed by him in occordance with the provisions of MMR. 1961 and it shall not be carried out by the persons other than the slight statutory personnel.

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- 10. The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations shuated around the peoposed quarry after having protect the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
- 11. Within one year from the communication with the other quarry owners located in the cluster domain on 'Design of Suitable blast parameters for ceducing the impact of trave-induced ground/six vibrations and fly rock by adopting appropriate controlled blasting techniques', by involving any of the reputed Besearch and Academic Institution such at CSR-Central Institute of Mining and Fuel Beautiful / Dhambad, NIRM, IIT-Madres, NIT-Dept of Mining Engs, Jarothkei, and Area University Checosi-CEG Comput, size shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, ModE, TNPCR, and DMS, Chemia as a part of Engineering Compilators.
 - 12. The IP shall meticulously carry out the mitigation measures as spell out in the revised EMP.
 - 13. The Project Proponent shall ensure that the hands earmarked for environmental protection measures should be kept in reparets account and should not be disented for other purpose. Year-wise expenditure should be reported to the MoSEG CC Ministry and its Integrated Regional Office (IRO) located in Chemici.
 - 34. The Project Proporent shall send a copy of the dearance letter marked to concerned Fanchayat from whom any suggestion/representation has been received while processing the proposal.
 - 15. The FP shall carry out the identific studies to assess the dope tratelly of the bandles and quarry wall when the depth of the quarry trouther 30 in fort after the completion of 3 years of operation whichever is surfer, by involving a reputation such an CSIR-Central Institute of Mining and First Research / Dhanbard, NIRMs, IIT-Madrac, NIT-Dept of Mining Sogg, Surathins, and Anna University Chernal-CEG Comput., etc. A copy of rack repetitic multy.

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- report shall be submitted to the SSIAA, MoSF, TNPCR, AD/Mines-DGM and DMS. Chemia as a part of Environmental Compliance without any deviation.
- 16. As per the MoEFE CC Office Memorandum F.No. 22-65/2017-IA-III detect-10.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.
- 17. As accepted by the Project proponent the CER and is Ri. 5 lakbs and the amount shall be spent towards the Panchayat Unices Primary Schook, Nationar Wilage. Changelparts District for the committed activities as committed, before obtaining CTO Imm TNPCE

Agenda No: 362-09 (File No: 9548/2022)

Proposed Rough stone & Gravel quarry lesse over an extent of 1.40.86 Hz in SF. Nov. 473/1A2, 473/18 and 474/3D2 of Ayecode Village, Tritravetter Teluk, Kenniyekumeri District, Tamil Nadu by Thiru.N.Mathias - For Environmental Clearance: GIA/TN/MIN/405316/2022, Dt 04 (1.2022).

The proposal was placed in 362" SEAC meeting tent on 13.03.3023. The details of the protect furnished by the proponent are given in the weblile (serived, ric.it).

The SEAC noted the following:

- The Project Proposent, Thiru.N. Mathiai has applied for Environmental Clearance. for the proposed Rough stone & Cravel querry leave over an extent of T.40.86Hz in E. F. Nos. 473/1A2, 473/1E and 474/3D2 of Ayacode Village, Thirusetter: Tabus, Kanniyokuman Dietner, Tamil Nochi,
- 2. The presint/activity is savered under Category 'B2' of them 1(a) 'Mining Projects" of the Schedule to the EIA Notification, 2006.
- It. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 98,040 m² of Broughstone and 1230m/ of Gravet with an ultimate digith of mining is 61m (thin AGL 25m BCL). The annual peak production is 20500m² of Rough Stone (3º year). and 1230 mill of Gravet (If year).

Seed on the preventation and document furnished by the project proposent, SEAC. noted instain noncompliance by the PP in the existing EC issued. Hence, decided: to saik the following details from the project proporant.

(i) The PP shuff complete fencing, tree plantation and the video proof of

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the carrie shall be submitted

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- (iii) The FP shall complete installation of solar panels.
- The PP shall ensure that the hands earmarked for environmental protection encoures should be light in separate account and should not be diverted for other purpose. Year-wise expenditure reported to the MoEF& CC Ministry and its integrated Regional Office (IRCs) located in Chevrus dust be furnished.
- (iv) The PP shall submit a copy of insurance scheme made for the employees.
- (v) The PP shall itipulate the proposed conveniation measures for the sanctuary located nearby with the consultation of the consumed DFO.
- (vi) The PP shall submit the Slope Stability Action Plan approved by the concerned AD (Mines & Geology).

On receipt of the reply, the Committee will deliberate further and decide future course of action.

Agenda No: 362-10 (File No: 9555/2022)

Proposed ordinary earth quarry lease over an extent of 1.05,5 He at SF. No. 367(P) of Ervadi Village, Keelakansi Taluii, Ramanathispuram District, Tarril Nedu by Thiru. M.Nagarethinam- For Environmental Clearance. (SA/TN/MIN/402659/2022, Dt. 13.10.2022).

The proposal was placed in 362= SEAC meeting held on 13:03:2023. The details of the proposal fundated by the proposed are given in the website (puriveil-ric.in).

The SEAC noted the following:

- The Project Proponent, Thiru. M.Nagarethirum has applied for Environmental Clearance for the proposed ordinary earth quarry lease over an extent of 1.05.5Ha in SF. No. 367(P) of Envisti village, Radakerei Tuluk, Ramanathapumm District, Tamil Nada.
- The project/activity is covered under Category "R2" of Item 1(b) "Mining. Projects" of the Schedule to the EA Nottfloation, 2006.
- As per the mining plus the lease period is I year. The mining plus is for the period of one year & the production should not exceed 76th m³ of andmary earth with an ultimate depth of mining is I,6m BGL.

Based on the presentation and document furnished by the project pergeonent. SEAC decided to see The following details from the project proposent.

MEMBER SECTETARY SEAC (TN SEAC-TH

- The kmi file was unwewable. The PP shall upload the correct viewable kmi file in Pariseds website.
- 2. The PP carry cut the prological assessment to identify mineralization, to establish continuity, quality and quantity of mineral mineral disposit, porticularly, the presence of beavy minerals in the Tert sand (red earth) such as illnesite, notife, factories, garnet, monastre, sincon and sittinusite, etc. Hence the PP shall furnish the report through the systematic sampling in the proposed site with showing geological coordinates and the mineralogical analysis obtained as per the procedures laid in accordance with the provisions of Aromic Minerals Consenional Bales, 2016 through the laboratory of IREL (lecta) Umited, Research Centre, Beach Road, Kollam, Karala.
- The PP shall change all the documents from "Earth" to "Ordinary Earth" as per the TN G.O. (Mi). No.344, direct. 14.12.2022.
- 4. The proponent shall produce a latter from the Department of Geology and Mining stating that the location of quarry she does not be adjoining to the rivers, streams, sands atc., and also does not come under any nutified/declared protected zones in terms of the Host ble Maderia Fench of Madres High Court.

On resistat of the reply, the Committee will deliberate further and decide future structure of action.

Agenda No: 362-17 (fills No: 9562/2022)

Proposed Rough stone quarry lease over an extent of 1.56.5 Hs in SF. No. 252/3(Part) of T.Vergidapurum Village, Ansvekurichi Taluk, Kenur District, Tamil Nadu by Thiru.D.Elangovan - For Environmental Ciennance. (SIA/TN/MIN/406363/2022, Dt. 14.11.2022).

The proposal was placed in 362° SEAC meeting held on 13.03.2003. The details of the proposal sunished by the proposant are given in the website (project, ric.3s).

The SEAC soled the following:

- I. The Protect Proponent, Thiru-D, Bangueun has applied for Environmental Clearance for the proposed Bough done quarry lease over an extent of 1,56,5Na in SF, No. 252/3(Part) of T, hiergidapuram Village, Anasokunichi Taluk, karu-Dismitt, Tarrit Nada.
- 2. The affined/activity is covered under Category '82' of liters 160 | "Mining

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CHAIRMAN SEAC AT NO Proceeds" of the Schedule to the EIA Notification, 2006.

 As per the mixing plan the leave period in 5 years. The mixing plan is for the period of five years & the production should not warred 1.17,496m² of Rough stone with an ultimate depth of mixing is 35m BGL. The asmail peak production is 23696 m² of Rough Stone (31 years).

Board on the presentation and document furnished by the present proporant. SEAC decided to seek the following details from the project proporant.

- (ii) The PP shall flamid: certified compliance report for the previous EC.
- (ii) The PP shall complete SC conditions like, fencing, free plantation and gartand drain and the video proof of the same shall be submitted.

On receipt of the reply, the Committee will deliberate further and decide future course of action.

Agenda No: 362-12 (File No: 9535/2022)

Proposed Cravel quarry Lasse over an extent of 4.16.5 Ha S.F.No. 265/182A, 265/282A, 265/281, 265/1829, 265/2829, 265/28. 275/13 Stambinetharpettal Village, Parnuti Taluk and Cuddalore District. Tamil Nadu by Tint Bhuvaneswari — For Environmental Circonnect (SIA/TN/MIN/403763/2022 dated 19.10.2022)

The proposal is placed for appraisal in this 362" SEAC meeting held on 13.03.2023. The details of the project furnished by the proponent are given in the website (parties) riscin).

SEAC noted the following:

- The Project Proposent, Time Bluvarenwari, has applied for Environmental Clearance for the Proposed Cravel quarry Losse liver an extent of 4.36.5 Ms 5.5 No. 265/182A, 265/282A, 265/281, 265/182B, 265/282B, 265/2A & 276/13 Extent-4.16.5 Stambingthoropertal Village, Paristal Tatuls and Cumbridge Diolist. Tarril Nactu.
- The presect/activity is sovered under Category "BJ" of them U(s) "Mining Projects" of the Schedule to the DA Notification, 2006.
- The lease period is for Two years & mining pain for the period of Two years. The social production is 62338 m3 of Gravel & 6924 M3 of Luterabe. The altimate depth is 24th AGL.

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EMAIRMAN STAC- TN Based on the presentation and documents furnished by the project proporent, SEAC decided to obtain the following christianion.

 The 500m radiot cluster letter leaved by the AD Geology & Miner has not exercisored about the existence of adjacers quarries' proposals located in the same utilizer: for exemple inser granted to P.Indiro, S.Nov. 24/2(p) & 25/ERC. Hence the necessary clarification from AD Mines & Geology shall be furnished.

Agenda No: 362-13

(File No: 9542/2022)

Proposed Rough stone & Gravel quarry Least over an extent of 1.21.5 Ha 5.F.No. No.130/2 over an area of 1.21.5hectares in Mothakkal Village, Thandrampattu Taluk. Tiruvannamulai District, Tamil Nadu by Thiru T Selvarej – For Environmental Clearance (SIA/TN/MIN/404469/2022 dated 03.11.20222)

The proposal is placed for appraisal in this 362° SEAC meeting beld on 13.03.2023. The datalic of the project furnished by the proportion are given in the website financesh.no.303.

SEAC noted the following:

- The Property Proponers, Thiru T Selvere) has applied for Environmental Clearance
 for the Proposed Rough stone & Coasel quarry Lease over an extent of 1.21.5 His
 S.F.Nip. No.130/2 over an area of 1.21.5 hectures in Mothakkal Village,
 Thanhumpatta Takak, Transcriptionals District, Terril Nacta.
- The project/activity is covered under Category "#2" of Item 1(a) "Mining Projects" of the Schedule to the flik Notification, 2006.
- The lease period is for Ten years & mirring plan for the period of Five years. The
 total production is not exceeding 78:5302 mill of Rough Stone and 36:294 mill of
 Gravel. The annual peak production is 16650 mill of Rough stone & 6728 mill of
 Gravel. The uttimate depth is 27m (7m AGL+ 20m RGL).

| II. No | Details of the Proposal | - 10 | Data Furnished |
|-----------|-------------------------|------|---|
| Ľ | Name of the Owner/Firm | 11 | Thiru, T.: Selwarai, Elo, Thoppalyuri, Noclid/Bill, Kottamedu Street, Morhakkai Village, |

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| | | | Tiruvarmamolai Dietrist 606 706. |
|-----|--|----|--|
| 2 | Type of quarrying (Sevudu/Roogh Stone/Sent/Granite) | | Rough Stone and Gravel |
| 3 | LF No. of the quarry shr with area break-up | | 130/2 |
| 4 | Village in which stusted | Ш | Mothukkal |
| 5 | Tabak an which situated | | Thandrampattu |
| 8. | District in which situated | | Timerestamelai |
| 7 | Extent of quarry (in he.) | П | 1.21.5 His |
| 8 | Lease Period of quarrying | Т | IG Years |
| П | Mining Plan Period | | 10 years |
| П | Production & Development Flan | | For the first 5 years |
| 9 | Type of mining | П | Opencest Serri Mechanisms Mining |
| 10 | Production (Quantity in m/) | Ť | 78,530 m² of Rough Store and 16,294 m² of Gravel |
| H | Lattude & Longitude of all corners of the querry site | | 12°05'42.94"N to 12°05'45.63"N 28°43'45.23"E to 78°43'52.08°E |
| 12 | Topo Sheet No. | Ŧ | 57-0/12 |
| 13 | Man Power requirement per devi | н | 56 Nos |
| 14 | Precise area communication approved by Deputy Director, Department of Genitogy and Mixing with date | | Na Ka En 85/Kanimam/2022, dated/04/06/2022 |
| 15 | Mining Ran approved by Deputy Director, Department of Geology and Mining with date | | Rc No. 85/Kenimum/2022, dated: 23,08,2022 |
| 16 | 16/ster requirement: 4. Drinking water & domestic purposes (in KLD) 5. Dost Suppression (in KLD) 6. Green Belt (in KLD) | b | 2.5 KLD 1.5 KLD 0.5 KLD 0.5 KLD |
| 17 | Power seguirement c. Domentic Purpose | | TNEE |
| 18 | Utimate Dearth of quarrying | П | 27m (7m AGL + 30m BGL) |
| 19 | Depth of water table | П | Sim-Stin RGL |
| 20 | Whether any habitstion within 300m distance | Ī | No |
| 21. | Project Cost (including EMP cost) | H | Hi. 56,39,000/- |
| 22 | EMP cost | Ī | Capital Cost - Rs. 15.50 laids Recovering Cost - Rs. (1) 73 laids |
| 23 | CER cost | ts | Rx. 3.00.000/- |

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| 23 | Aviotant Director, miner 500th cluster letter | Rc.No.85/Kantmiro/2022, dated: 22:08.2022 | | |
|----|--|---|--|--|
| | VAO certificate regarding 300m reduc- | Letter shared 30:08:2022 | | |

Based on the presentation and documents furnished by the project proposent. SEAC slocked to recommend the proposal for the grant of Environmental Clearance for total escavation quantity not exceed 78.530 m3 of Rough Bone and 16.284 m3 of Gravel and the annual yeak production is 16650 m3 of Rough stone & 6728 m3 of Gravel. The ultimate depth is 27m (7m AGL+ 30m BGL subject to the standard conditions as per the Annexare I of this minutes & moresal conditions stipulated by MOSE &CC. in addition to the following specific executions:

- The prior Environmental Clearance growed for this mining project shall be valid
 for the project life including production value as fallil down in the mining plan
 approved and reserved by competent authority. From time to time, subject to
 a maximum of thirty years, whichever is surfer vide MoSF&CC Notification

 5.O. 1807(E) sheet 12.04.2022.
- The mine manager and inher statutory competent persons such as blaster (or):
 mine mate shall be appointed before the commencement of mining operation
 as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations.
 1965.
- The PF shall submit the 'Notice of Opening' of the quarry to the Regional Impediar/Director of Mines Salety, Chermal Region under the rection 36 of the Mines Act, 7952 and in accondance with the Ring, 3 of MMR, 1963 before obtaining the CTO.
- 4. The proportion shall assistant the "EB (Gr) G2" type of lessing all around the boundary of the proposed working quarry with gates for entryment before the commencement of the asperation as recommended in the DGMS Circular, 11/1959 and shall familit the photographytosp shaveing the same before obstatning the CTO from TNPCB.
- Further, the PP shall construct the galland shall with people size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone.

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- of 7.5 m as it is designed to take case of nan-self water fixes, gradient and length).
- The Project Proporent (PP) shall schroll a "Stope statisticy action plan" incorporating the hauf road ramp keeping the benches intact for the proposed quarry lease after it is skily setted by the suscerned AD (Miros) before obtaining CTO from TNPCB.
- As a part of EC Compilianor, the EP shall carry out the tree plantation (2000) not) to set as a barrier to reduce noise level and dust pollution along the boundary of the quarrying six considering the wind direction before obtaining the CTO from the TNPCB.
- No 'Deep-bole large districtor drilling and blaming' is permitted in the proposed quarter.
- 19. The 3P shall earry aut maximum of two munds of controlled blast ently perday, restricted to the maximum of 50 to 60 number of holes per round with muirtaining maximum charge per delay in such a manner that the blast-indicated ground vibration level (Feak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and not by rock shall travel beyond 10 m from the site of blasting. The PP shall also ensure that the bizeling operation shall be centred out once in 2 sleys to reduce the environmental impacts effectively.
- 10. However, as few structures are located within 200-300 in, the PP shall carry but the scientific studies on 'Design of Blact parameters for reducing the impact of blast-induced pround/air vibrations and By rock caused due to operation of the sparry by adopting appropriate controlled blasting techniques', within one year from the communication of mining operations, by involving a report Research and Academic frustration such as CER-Central frustrate of Mining Engl, Scratthal and Army University CEG Cempus, A copy of such identific musty report shall be submitted to the IBAA, MoEF, TRPCB, AD/Miner-DGM, and DMS, Chemil as a part of Engineermental Compliance.

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CHATROAAN HEAC TN 11. The PP shall use the lack haramer drill machine fitted with the doc extractorfor the drilling operations such that the fugitive dust is controlled effectively at lifter stautrops.

12. The PP shall ensure that the blatting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him only to per the provisions. of MMR 1961 and it shall not be carried out by the persons other than the

above stansforv personnel.

13. The PF shall ensure that the blatting operations shall be carried out during a prescribed time interval with a prior notice to the school/other habitations: strusted around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone.

14. The FP shall meticulously carry out the mitigation measures as spelt out in the revised EMP.

15. The Project Proponent shall ensure that the funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Your-wise expenditure should be reported to the MoEF& CC Ministry and Its Integrated Regional Office (IRO); located in-Chennal.

16. The Project Proponent shall send a copy of the clearance lather marked to concerned Panchayat from whom any suggestion/representation has been received while proposal,

17. As per the MoEF& CC Office Memorandum F.Nis. 22-65/2017-tA.III dated: 30.09.2020 and 30.10.2020 the proponent shall adhare EMP furnished.

18. As accepted by the Project proponent the CER cost is Ru. 5 lakes and the amount shall be spent for the Government Higher Secondary School, Moothakkal Village as committed activities, before obtaining CTO from TNPCB.

Agenda No: 352-34 (File No: 9542/2022)

Proposed Earth quarry Lease over an extent of 2,37.0 Ha S.F.No. No.386(p) in Ervedi Williage: Killakbaral Taluk, Ramanathapuram District, Tamil Nadu by Thiru V Javabai - For-Environmental Gearance (SIA/TN/MIN/402461/2022 dated 11.10.20222)

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The proposal is placed for appraisal in this 362% SEAC meeting field on 13.03.2023. The details of the project fundabled by the proposent are given in the weblile (purposh,nic,in).

SEAC noted the following:

- The Project Proposest. Thins V Jayabal has applied for Environmental Clearance for the Proposest Earth quarry Lease over an extent of 2.37.0 Hz EF.No. No.386(p) in Ervadi Village. Kitakkami Tahak, Kamarusthapunam District. Tamil. Nachu.
- The project/activity is covered under Category "R2" of tiem 100 "Mining Projects" of the Schedule to the EIA Notification, 2006.
- The lease period is for One year & mining plan for the period of One year. The tutol production is not exceeding 18,921m3. The ultimate depth is 1.0m.

Based on the presentation and documents lumished by the project proponent, SEAC decided to obtain the following details from the PF.

- The lost tile was unstawable. The FP shall upload the correct viewable limities in Partneth wetsite.
- 2. The PP carry out the geological assessment to identify mineralization, to establish continuity, quality and quantity of mineral mineral deposit, particularly, the presence of heavy minerals in the Teri cand (red earth) such as itmenite, rattle, furnish the report through the systematic sampling in the proposed site with showing geological coordinates and the mineralogical analysis obtained as per the procedures laid in accordance with the provisions of Atomic Minemis Coronalonal Bules, 2016 through the laboratory of IREL Dridse) Limited, Research Centre, Brack, Road, Kullam, Kersin.
- The PP shall change all the documents from "Earth" to "Ordinary Earth" at per the TN G.O. (Ms). No.244; dated, 14.12.2022.
- 4. The proposent shall promise a letter from the Department of Geology and Mining stating that the location of quarry sha does not like adjeining to the rivers, streams, surable etc., and also does not come under any notified/declared popular posterior. In terms of the Hon bie Machina Bench of Madrin High Court.

MEMBER SECRETARY SEAC -TN

CHAIRMAN SEAC- TN Agenda No. 362 - 15 (File No. 9563/2022)

Proposed Rough stone: Quarry over an extent of 2.64.17Ha at at SF.No. 1055/2(Part), 1065/2 & 1065/3 Nadarshal south Villags, Aravekonshi Talok, Karur District, Tarrill Nodu by M/x Ponnankar Buildding Materials Suppliers - for Environmental Clearance. (SIA/TN/MEN/406116/2022, Dr. 12.11,2022)

The proposal was placed in 362** SEAC meeting held on 13.03.2023. The details of the project furnished by the proposent are available in the website (partyce), rec. in).

The SEAC noted the following:

- Now, the Project Proponent, M/s Ponnserkar Building Materials Supplies has applied for Environmental Clearance for the Proposed Rough stone. Quarry over an extent of 2.64.17Hz at at SF.No. 1055/2/Part), 1065/2 & 1065/3 Nadonthal routh Village. Asswelsenshi Taluis. Kiener District. Tamil Nado.
- The proposed quarry/schilty is covered under Category "82" of Bern Stat. "Mining Projects" of the Schedule to the ElA Notification, 2006.
- II. The precise area communications/sesse is issued for the period of 50 Years. The approved mining plan is for the period of 5 Years & production should not exceed 379994ns* of Rough stone, and 35736 m3 of gravel. The areaul peak production shall not exceed 80330 Cu.ni of Rough stone. The ultimate depth is 25m 9GL.

| SL No | Details of the Proposal | 1 | Data Furnished |
|----------|--|-----|---|
| 1 | Name of the Owner/Firm | | Tvi. Ponnsanker Bridding Metrials Suppliers. Door No.77/2: American Nagar. Athur Pod, Erode Main Rued, Menmangalam Taluk; Kanur District –639 002. |
| 3 | Type of quarrying (Savudu/Rough Store/Send/Granite) | Ť | Rough Stone and Gravel |
| 1 | S.F.No. of the quarry she with area break-up | ÷ | 1055/2(Part), 1065/2 & 1065/3 |
| 4 | Village in which shusted | -11 | Nadasthai South |
| 1 | Taluk in which situated | -17 | Arawijurichi |
| 4 | Digrid in which situated | -17 | Kenur / n |

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| 7 | Extent of quarry (in he.) | | 2.64.17 Ha |
|-----|---|---|--|
| В. | Lease Period of sparrying | П | 30 Years |
| | Mining Flan Ferlod | П | 30 years |
| | Production & Development Plan | | For the first 5 years |
| 9 | Type of mining | П | Openiost Serial Mechanized Mining |
| 10 | Production (Quantity in m*) | | The precise error communication/lears in issuest for the period of 10 Years. The approved mining plan is for the period of 3 Years & production should not exceed 379994m² of Rough more and 35756 m3 of gravel. The annual periodiction shall not exceed 80330 Cum of Rough more. |
| Ħ | Latitude & Longitude of all corners of the querry site | 7 | 10"53"9.U2"N to 10"53"15.83"N //"51"45.13"E to 77"51"31,71"E |
| 13 | Topo Sheet No. | | 58-6/13 |
| 1 | Man Power requirement per day: | п | 18 No |
| 14 | Precise area correnumication approved by Deputy Director, Department of Ceplogy and Mining with date | | Na.Ka.En.140/Kammern/2022. dated:10.10.2022 |
| 15 | Mixing Han approved by Doputy Director, Department of Geology and Mixing with date | | Rc.No.140/Miner/2022, dated; 07.11,3022 |
| 146 | Water requirement: 7. Detriking water & domentic purposes (in KUD) 8. Dust suppression (in KUD) 9. Green Bett (in KUD) | | 5.75 KLD 2.75 KLD 1.5 KLD 1.5 KLD |
| 17 | Power requirement d. Domestic Purpose e. Industrial Purpose | | TNER 309944 Lines of HSD |
| 16 | Ultimate Depth of quarrying | | 25m BGA |
| 14 | Depth of water table | H | 50m-60m hgl |
| 20 | Whether any habitation within 300m - | Ī | No |
| 21 | Project Cost (including EMP cost) | | Ri. 66,33,680/ |
| 22 | EMP cost. | H | RL 1,80,39,667/- |
| 23 | CER and | Œ | Bi. 5.00.000/- |
| 24 | Asin/ant Director, miles SODra cluster letter | ľ | Rc, No. 140/Mines/2022, (dotted): 07.11, 2022 |

MEMBER SECRETARY SEAC JTN

CHARDIAN TEAC TN Based on the presentation and documents furnished by the project proposers, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the production quantity of 379994m3 of Rough stone, and 35756 m3 of grave for an ultimate depth restricted to 25 m 8GL and however, the annual peak production shall not exceed 80330 Cu.m of Rough stone & and 25756 m3 of gravel subject to the mandard condition & normal conditions dispulsated by MOEF &CC, in addition to the following specific conditions:

- The prior Environmental Clearance granted for this mining project shall be waltil for the amiest life including production value as faid down in the aming plan approved and reviewed by competent authority, from time to time, subject to a muslimum of thirty years, whichever is earlier vide MoEF6CC Notification S.O. 1807(E) dated 12.04.2022
- The mine manager and other statutory competers persons such as blaster (or) mine more shall be appointed below the commencement of mining operation as per the provisions of Mines Act 1952 and Metalitherous Mines Regulations, 1961.
- The PP shall submit the 'Notice of Opening' of the quarry to the Regional Impedior/Director of Miner Safety, Chemia: Region under the section 16 of the Miner Act, 1952 and in accordance with the Reg. 3 of MMR 1961 before obtaining the CTO.
- 4. The PP shall explore the possibility of carrying out the analgement with the neighbouring/indiscent queries after having security the lease and getting the prior permission from the Director of Miner Salety, Chennal Region.
- The proportion shall mutation the '53 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the communicativent of the operation as recommended in the DGMS Chruitar, 11/1959 and shall turnish the photographs showing the jame before obtaining the CTO from TNPCE.

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- Further, the PF shall maintain the galland drain with proper size, gradient and length along the boundary of the pir leaving behind the mandatory safety some of 7.5 / 30 m as it is designed to take care of non-self water (see, gradient and length) before obtaining the CTO from TNPCB.
- The PP shall ensure that the bendies & baul road are properly designed and furned in accordance with the provisions of MMR 1991.
- 8. The PP shall carry out maximum of TWO rounds of controlled blast per day, restricted to the maximum of 30 to 60 number of holes per sound with maintaining mustimum charge per delay in such a manner that the blashing-trabund ground vibration level (Peak Particle Velocity) measured in the toques/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts effectively.
- 9. However, as few describes are located within 200-300 m, the PP shall carry out the adentific studies on 'Design of Blue parameters for reducing the impact of black-induced ground/sir alterations and fly rock sourced due to operation of the quarry by adopting appropriate controlled blasting techniques', within our year from the commencement of mining operations. By involving a reputed Barranch and Academic Institution such as CSB-Central Institute of Mining & Fuel Research (CBAFR) / Dhanbod, NIBM, IIT-Madres, NIT-Dept of Mining tropp, Sunstitud and Arma University CSG Centrus. A copy of such scientific study report shall be submitted in the SEIAA, ModE. TNPCE. AD/Minor-DCM and DML, Chemial as a part of Environmental Compliance.
 - 10. No 'Deep-bole large diameter drilling and blerting' is permitted in the proposed querry.
 - II. The PP shall use the jack harrows drill machine fitted with the dust extractor for the drilling operations such that the highlive shall is correctled effectively at the source.

12. The FF shall ensure that the blasting operations are carried out by the brigger/Mane Male/Mine Foreman imployed by him is supplifings with the

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provisions of MMR 1961 and it shall not be carried out by the persons other thus the above statutory personnel.

- 19. The PP shall ensure that the blasting operations shall be carried out during a preuribed time interval with a prior notice to the habitations situated around the proposed query after having posted the sentiles/guards astroughly to sonfirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
- 14. The PF shall meticulously carry out the mitigation measures as spelt out in the revised EMP.
- 15. The Project Proposent shall ensure that the funds sammarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEFS GC Ministry and its integrated Regional Office (IRO). located in Chennal.
- 16. The Project Proponent shall send a copy of the clearance letter marked to concerned Panchayar from whom any suggestion/representation has been received while processing the pressonal.
- 17. At per the MoEF& CC Office Memorandum F.No. 22-65/2017 (A.III dated: 10.09.2020 and 20.10.2020 the proportion shall adhere EMP furnished.
- 18. As assepted by the Project propurent the CER unit is Ridi lakhs and the amount shall be spent for the Government Girls Higher Secondary School. Observedharqueum as assertated, before obstaining CTO from TNPCB.

Agenda No: 362-16 (File No: 9571/2022)

Proposed Black granite Lesse over an extent of 1.90.0 Ha S.F.No. No. 802/381, 803/1, 803/2, 804/2, 804/3, 805/1 (P), 805/2 & 831/2 (P) inutukottsi Vitiage, Denkardottsi Teluk, Krishnagiri District , Ternii Nado by M/I Seven Hills Black Granite – For Environmental Clearunce (SIA/TN/MIN/405609/2022 dated 07.11.20222)

The proposal is placed for apposital in this 362⁻⁴ SEAC meeting held on 13,03,2023. The details of the project furnished by the proponent are given in the website (pathwest,nic.in).

SEAC noted the following:

1. The Project Proponent, M/s Seven Hills Black Ceanite has applied for

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Environmental Clearsons for the proposed Black grants: Leave over an extent of 1.90.0 Ha 1.F.No. No. 802/381, 503/1, 603/2, 804/2, 804/3, 805/1 (F), 905/2 & 831/2 (F), leuth/cortal Village, Denkardsonal Table, Enthusein District , Tamil Nacts.

- The project/activity is covered under Caregory "82" of term 10¢ "Mining Projects" of the Schedule to the DA Nortication, 2006.
- The lesse period is 20 year & mining plan for the period of Five year. The total
 production is not exceeding. BOM-103170mil. Recovery-20634 mil & Grante
 waste 300007 mil. The annual peak production for BOM-26220mil. Recovery5247 mil & Grantis waste 20976 mil The attimate clopth is 48.5m.

Based on the presentation and documents furnished by the project proponent, SEAC decided to obtain the tolkowing details with documentary evidence (Phon & videor) from the PP.

- The CNWLS is located within 10km, hence the PP shell furnish the details of conservation measures at a cost of 5 takins in consultation with conserv DFO.
- Since the residential invatures are located in Southern side of the proposed site.
 the PP shall make providing to provide the thick Green belt with 2 your of trees followed by Galventred shall at the height of 2 to 3 m in the Southern side of the proposed site, directing the habitations.

Agenda No. 362 - 17.

(File No. 9536/2022)

Proposed Red Earth Querry over an extent of 1.46.45Ha at at SF,No.51/7A1, S1/7B, S1/8A 6.51/891 of Kadagampetta Village, Vanur Taluk, Villagement District, Tamil Nadulty Mr.K.Vijeyen - for Environmental Clearance, (SIA/TN/MIN/404485/2022, Dt. 28.10.2022)

The proposal was placed in 362° SEAC meeting held on 13.03.2023. The details of the project furnished by the proposest are available in the website (perivesh-riicin).

The SEAC noted the following:

 Now, the Peoplet Proposent, McK-Vijayan has applied for Emirormental Clearance for the proposed Red Earth Quarry over an extent of 1,46,45Ha at SF,No,5U/AR, 51/78, 33/8A & 31/881 of Kadagampattu Whape Virus Tohin. Whapungas District, Tamil Nietu.

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- The proposed quarry/activity is sowered under Category "92" of Item 1(a).
 "Mirety Projects" of the Schedule to the BA Notification, 2006.
- The precise area communication/leave is insued for the period of 2 Years. The approved mixing plan is for the period of 2 Years 6 production should not exceed 16632nc of Red Earth Quarry and the annual peak production shall not exceed 8400 Cu.or of Red Earth Quarry. The ultimate depth is 2nd BGL.

| SL. No. | Details of the Proposal | H | Data furnished |
|------------|---|---|---|
| 1 | Name of the Owner/Firm | | Mr.K.Vijayan. 5/o.Mr.Kannatyan, No.22A. Manyamman Kovii Brest. Kadagampamu Village. Vanur Takak. Vilapporam District – 805502. |
| 2 | Type of querying (Sexualu/Rangh Stone/Sand/Granite) | H | Red Earth |
| 1 | S.F. No. Of the quarry site with area break-up | | 51/7A1, 51/7R, 51/RA & 51/RE1 |
| 4 | Village in which strusted: | Ħ | Kadagampattu |
| 3 | Talak in which intrated | Г | Varue |
| 6 | Disnost in which shusted | Ħ | Villapurore |
| Ť | Extent of quarry (in ha.): | П | 1,46,45Ha |
| | Latitude & Longitude oil all corners of the query site | | 12°1'36.22°N to 12°1'40.33°N 79°40'6,83°E to 79°6712.49°E |
| 9 | Topo Sheet No. | Ħ | 57 - 9/12 |
| 10 | Type of mining | I | Opencal Seni - Mechanized of Mining |
| 11 | Pertox of quarrying properties! | | 2 years |
| 12 | Frieduction (Quantity to m*) | П | 16632mf of Red farth |
| TB. | Depth of quarrying | Н | 2.0m |
| 14 | Depth of water table | | 25m - 20m BGL |
| 15 | Man Power requirement per day: | | fi Not. |
| 16 | Source of Water Requirement | Т | water vendors |
| 17. | Water requirement: 10. Divining & damentic purposes fin (LLD) | | 2.0 NLD- 1.0 NLD: |

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| | 11. Dust suppression. Green Belt &Wet Deliting (in KLD) | | 0.5 KLD 0.5 KLD |
|-----|---|---|--|
| 18 | Ромет педифелитіі | | TNEE |
| 19 | Whether any habitation within 300m distance | ľ | No |
| 20 | Precise area communication approved by the, District Collector, Department of Geology and Mining with daw | ľ | RcNo,A/G&M/31/2020, itt: 28,09-2022 |
| 21 | Mining Plan approved by Astistant Director, Department of Geology and Mining with date | l | Rocho, A/G6/M/31/2020, (8) 94.10,2022 |
| 22 | Deputy Director, Department of Geology, and Mining 500m duster letter | Γ | Rot No A/C6M/31/2020, dt: 17.10.3022 |
| 23- | VAC semificate regarding 300m radius dustin | | Letter dt: 26.02.2022. |
| 24 | Project Cost (excluding EMP cost): | ī | Bu.S.53 Lakhi |
| 25 | EMP cost | ı | 3s.7.76 takhi/2 Years |
| 26 | CEN cont | ĺ | Sa.Y.75 Lavin |

Based on the presentation and documents furnished by the project proposers, SEAC shocked to recommend the proposal for the grant of Environmental Cleanage for the period of 2 Years for the production quantity of 16632m² of Red Earth & the attimute depth of mining upto 2m IGL subject to the standard conditions & mormal amultitum stipulated by MOEF &CC, in addition to the following specific conditions:

- The RP shall obtain necessary amendment for mineral name from "Red Earth" to "Ordinary Earth." in the mining plan, as per Industries, Inventment Promotion and Commerce Department G.O. (MI)(No.244 dt.34.12.2022.
- The proporent shall mandatorily appoint the statisticity completed persons accordingly for the proposed quarry star to satisfy the provisions of Mines Aut 1952 and Metalliflemous Mines Regulations, 1961.
- The proporant shall sract fercing all around the boundary of the proposal area with gates for entry/exit before the approximation of this operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.

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- Penerrial maintenance of hurlage road/village / Panchayat Road thall be done by the project proponent as required in connection with the concerned Govt. Authority.
- 5. The Project Proponent shall achieve to the working parameters of mining plan which was submitted at the time of EC appraisal whenen year-wise plan was mentioned for total excavation. No change in basic mining proposal shall be carried out without price approval of the Ministry of Environment, Forest and Cliniate Change, which small adverse environmental impacts, even if it is a part of approved mining plan modified other grant of EC or granted by State Govt, in the form of Short Term Permit (STP), Query States or any other name.
- Ferencial sprinking arrangement shall be in place on the haulage road for fugitive clust suppression, Fugitive-emission measurements should be corried out during the mining operation at regular intervals.
- The Proponent shall ensure that the noise level is mornisored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly.
- Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
- The purpose of green helt around the project is to capture the Aughtive emissions, carbon requestration and to attenuate the noise generated, in addition to improving the austhetics.
- 10. Tallermore year old septings resed in appropriate size of bags (preferably exp-friendly hapf) should be planted in proper spacing as per the advise of local forest authorities/botanist/horticulturist with regard to site specific choices. The proposent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters with and in between blocks in an organized manner.
 - II. Noise and Vitration Related: (i) Appropriate measures should be taken for coggast of name leven below 80 dBA in the work environment. Morteen

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- engaged in operations of HEMM, etc., should be provided with ear plugateur(s. (iii) Nasia: levels should be manetored regularly (on weekly basis) rese the major sources of revise governation within the core zone.
- 12. The operation of the query should not affect the agricultural activities 6-water bodies near the project site and a 50 m safety distance from water body should be maintained without carrying any activity. The propurent dual take appropriate measures for "50 Management" and prepare a 50F for periodical de-situation indicating the possible sit content and size in case of any agricultural land social around the quarry.
- The proposest shall provide suffimentation tank / setting tank with adequate capacity for naturif management.
- 16. The proponent shall ensure that the transportation of the quarried gravitic stones shall not cause any hindrance to the Village people/Existing Village Boact and shall take adequate safety presoutionary missures while the vehicles are passing through the schools / hospital. The Project Proposers shall ensure that the most may not be disreged due to transportation of the quarried gravite stanes; and transport of gravite stones will be as per IBC Guidelines with respect to complying with traffic congestion and density.
- 13. To ensure salety measures along the boundary of the squery lite, security guards are to be posted during the entire period of the mining operation.
- 16. The Project Proponent shall take all possible pressultons for the protection of environment and control of poliution while carrying out the mixing or processing of granite in the sees for which such license or lease is granted, as per
 - 17. The Project Proposent shall comply with the provisions of the Mines Act. 1952. MMR 1961 and Mines Batis 1933 for ansuring selety, health and welfare of the people working in the mines and the surrounding habitants.
 - 18. The project proponent shall ensure that the provisions of the MMCR. Act, 1957, the MCDR 2017 and Tamfrodu Minur Minural Concession Rules 1959 are compiled by carrying out the quarrying rewrittens in a skittui, scientific and systematic manner lamping in view proper sales of the labour, explains and the public and public works facuned in that yearity of the

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- quarrying and and in a manner to preserve the environment and ecology. of the sees:
- 19. The purerying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lesse period. and the same shall be informed to the District AD/OD (Georgy and Mining). Client Environmental Engineer (TNPCB) by the proponent without fall.
- 20. The Project Proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project Proponent fields for legal action in assendance with Environment and Mining Laws.
- 21 Prior dearance from Forestry & Whit Life including clearance from connection of the National Board for Wildlife at applicable shall be obtained. before starting the quarrying operation. If the project site attracts the NBOA. dearance, as per the existing law from time to time.
- 22.All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Procise. area rommunication letter issued by concerned Storict CoSector should be strictly listicwest.
- 23. The Project Proposent shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act. 2015 and rules & regulations made there under.
- 24. That the grant of this E.C. is build from the environmental angle poly; and does not absolve the project proponent from the other statutory obligations. prescribed under any other liew or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all atther laws for the time-being in force, setts with the project proponent.
- 25. The mining lesse holders shall, after ceasing mining operations, undertake re-graving the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder. Bors, have etc.
- 26. As per the MoEF& CC Office Memorandum F.No. 22-65/2017 (A. Illinoid) IQLAY 2020 and 20.10.2020 the proponent shall adhere EMP furrished.

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27. As accepted by the Propert proponent the CER cost is Rs. 3.75 lashs and the arranged shall be spent for the Cost High School, Kadagampatta Village is sprenitted, before obtaining CTD from TNPCB.

Agenda No. 362-18.

(File No. 9543/2022)

Proposed Rough Stone & Gravel Quarry over an extent of L14.0Ha at SF.No.607/1 of Uthurnalal Village, Veerakerslampudur Taluk, Thenkel District by Thins.C.Munagean, Ior Environmental Clearance.(SIA/TN/MIN/402972/2022, Dt. 02.11.2022)

The proposal was placed in The proposal was placed to 362** SEAC meeting held on 13.03.2023. The details of the propost furnished by the proposent are evaluable to the website (perfect), pic.(n).

The SEAC noted the following:

- Now, the Project Proported Thiru.C.Munageon has applied for Environmental Clearance for the Rough Rone & Gravel Querry over an extent of 1.14.0Hz at SF.No.607/L of Uthursalai Village. Veerakers/ampudur Taluk, Thenkasi Oserio. Tarrel Nadu.
 - The proposed quarry/activity is covered under Category "R2" of Bern 1(s).
 "Mining Projects" of the Schedule to the StA Notification, 2006.
 - The precise area communication/feare is insuest for the period of Steam. The
 approved mining plan is for the period of ther years & production should not
 exceed 1,25,720m³ of Bough Stook & 26,366 m³ of Gravet and the armual peak
 production shall not exceed 25440 m³ of Bough Stone (8° Year) & 10,602m³ of
 Gravet (8° Year). The utilinual depth is 38m BGL.

| 2. No | Details of the Proposal | | Data Furnished |
|----------|--|----|--|
| 1 | Name of the Owner/Firm | | Thiru C.Munugaren 5/u.Shri Chithemarem, 5/182, 92. Nette: Rood, Uthumala Veerskerstampudur Taluk Tenkari Dimid: 627860 |
| 2 | Type of quarrying (Savudu/Raugh Stone/Sand/Granite) | | Rough Stone & Grawti |
| 1 | 5.F No. Of the querry site with area break-up | Ţ, | 607/I |
| 4 | Village la-sifeich situated | | Uthurnshil / |

MEMBER TECRETARY

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| 3 | Taluk in which intented | : Vecraiers/amgudur |
|-----|---|---|
| 6. | District in which shorted | : Thenkes |
| 7 | Extent of quarry (in ha.) | 1.14.QHz |
| 8 | Latitude & Longitude of all corners of the querry site. | GBT5824,367N to GBT5830.057N 77°32'41.06°E to 77°32'44.63°E |
| 9 | Topo Steet No. | 58/G/8 |
| 10 | Type of mining | Opences Serni - Mechanized of Mining |
| П | Leave Period of quarrying | 5 years |
| П | Mining Plan Period | 3 years |
| 12 | Production IQuantity in m ² J | 125730mt of Rough Itone 6 26266mt of Gravet |
| 13 | Ultimate Depth of quarrying | - 38m BGL |
| 14 | Depth of water table | : 50m BGL |
| 15 | Man Power requirement per days | 12 Nm. |
| ie. | Source of Water Requirement | water vendors |
| tr. | Water requirement: | 2.5 KLD |
| | 13. Drinking & domentic purposes (in KLD) 13. Dust suppression, Green Belt & Wer Drilling (in KLD) | 1.0 KLD 1.0 KLD 0.5 KLD |
| 18 | Power requirement: | TNER |
| 19 | Whether any habitation within 300m alifunus | h Nee |
| 20 | Precise area communication approved by the, John Director/Austrant Director (I/c). Department of Geology and Mining with state | Fig.No.Mf/5335/2022, id: 18.08.2022 |

MEMBER SECRETARY SEAC -TN

CHAIRMAN SEAC TN

| 25 | Mining Plan approved by Joint Director/ Assistant Director (I/c) , Department of Geology and Mining with date | | Roc.No.MI/9539/2022, do: 30.08.2022 |
|----|---|---|--|
| 22 | Joint Director/Assistant Director (I/c). Department of Geology and Mining 500m duster letter | | Roc No.MI/5539/2022, dt: 30.08.2022 |
| 23 | VAO certificate regarding 300m radius duster | | Letter (ft: 21.09.2022, |
| 34 | Project Cost (excluding EMP 1010) | H | BLESS ST Lain |
| 25 | EMF cost | X | \$6.85,35 Lekhs/5 Years. |
| 26 | CER coo | Н | Rs.5.0 Lakes |

Based on the presentation and documents furnished by the project proposent, SEAC decided to recommend the proposal for the gram of Environmental Grecovar for the ultimate depth of mining upon 38m BGL and the quantity of 1,25,720m² of Rough Some 6.26,266 m² of Gravel and however the arrural peak production shall not exceed 25440 m² of Bough Stone 6.10,602m² of Gravel subject to the dandard conditions as per the Armonare I of this minutes & normal conditions stipulated by MOSF &CC. In addition to the following specific conditions:

- The prior Environmental Clearance granted for this mining project shall be valid for the project life industing production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MoRF&CC Notification S.O. 1807(5) dated 12.04.3002.
 - The FF shall inform the notice of opening of the quarry to the Director of Mines Safety (DMS)/Chemnal Region and get the recessary statutory permission under the MMR 1961 pertaining to the mine working operations in the proposed quarry from the DMS. Chemnal before obtaining the CTO.
 - The miss manager and other statistical competent persons such as blader fort
 mine mate shell be appointed as per the provisions of Mines Act 1952 and
 Metalliferous Mines Regulations, 1968 before the obtaining the CTO from the
 DED/TNPCB.

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CHAIRMAN SEAC-TN

- The proposent shall maintain the 'SE (or) G2' type of limiting all around the boundary of the proposed working query with gains for entry/exit before the commencement of the operation as recommended in the DGAB Circuian. IU/959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
- 5. Further, the PP shall maintain the garland shall with proper size, gradient and length along the boundary of the pit leaving behind the mandatory safety zone of 7.3 / 10 m as it is designed to take care of sur-off water (size, gradient and length) below obtaining the CTO from TNFCs.
- The FP shall ensure that the benches & haut road are properly designed and formed in accordance with the provisions of MMR 1991.
- The Project Proponent (PP) shall submit a Stope stability action plant incorporating the haut road ramp leaping the benches intact for the proposed quarry lease after it is staly verted by the concerned AD (Mines) before obtaining CTO from TNPCB.
- B. However, the PF shall carry out the scientific studies to posses the dope stability of the benches and quarry well when the depth of the quarry touches 30 m (or) after the completion of 3 years of operation whichever is entire, by involving any of the reputed Research and Academic Institution such as CITE-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, ST-Madras, NIT-Dept of Mining Engs, Sunstition, and Atms University Chemise-CEG Centrus, etc. A copy of such scientific study report shall be submitted to the SEIAA, MoSE, TNPCB, AD/Minrs-DGAI and DMS. Chemist as a part of Environmental Compliance without any deviation.
- 9. The FF shall carry out maximum of TWO mands of startholled blast per stay, restricted to the maximum of 50 to 60 number of holes per round with maintaining maximum charge per delay in such a marrier that the blast-indused ground vibrotion level (Feak Particle Velocity) measured in the houses/structures located at a distance of 100 to shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 in from the cite of blasting. The Phyllogia also mause that the biasting operation shall be carried out once in 2 days to reduce the origineen rocket impacts effectively.

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CHAIRMAN SEAC-TN

- 10. Since the windmil is located at a distance of 205 m, within one year from the commencement of mining operations, the PF shall savry out the scentific studies on 'Design of Blast parameters for reducing the impact of blast-industrit ground/air vibrations and By rock caused due to operation of the quarry by adopting appropriate controlled blasting fectivityes', by involving a reputed Besearch and Academic furnitation such as CER-Cerend bismore of Mining & Fuel Research (CIMFR) / Distribut, NIRM, UT-Madras, NIT-Dept of Mining Engs, Societistal and Arms University CEG Cempus, A copy of such scientific study report shall be submitted to the SEIAA, ModE, TNPCB, AD/Mines-DGM and DMS, Chemral as a part of Environmental Compliance.
- No 'Deep-hole large dismeter drilling and blasting' is permitted in the proposed quarry.
- The PP shall use the jack hummer drill machine fitted with the dust extractor
 for the drilling operations such that the fugitive dust is cornrolled effectively at
 the source.
- 13. The PP shall ensure that the bleating operations are surried out by the blaster/Mine Many/Mine Ferroman employed by him is accordance with the provisions of MMR 1966 and it shall not be sarried out by the person other than the above statutory personnel.
- 34. The PP shall ensure that the bilasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations absorbed the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry.
- IS. Since a water body is situated at a distance of 80m, the PP shall carry out the comprehensive hydrogeological studies within 3 years from the commencement of the quarrying operation to assess the quality & quantity of the ground water due to impacts of quarrying operation by involving any of the reputed flereenth and Academic institution such as CSR Central institute of Mining and Fuel Research / Dhambod, httl/M, IT Musico, NIT Dept of Mining Engs, Surathical Anna University Chemical Dept of Geology, CEO/Campus, and University of Geology, CEO/Campus, and University of Geology, Chemical etc. shall be carried out before

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The continenument of mining operations, A copy of such scientific study report that be submitted to the SEIAA, MoEF, TNIPCS, and DMS, Chennal as a part of Environmental Compliance.

 The PP shall meticulously carry out the mitigation measurer as spelt out in the resident EMP.

17. The Project Proponent shall ensure that the funds earmanised for environmental projection measures should be kept in separate account and should not be diverted for other purpose. Two wise expensiture should be reported to the MoEF& CC Ministry and its integrated Regional Office (IRO) located in Chemist.

18. The Project Proponent shall send a copy of the clearance letter marked to concerned Parichayat from whom any suggestion/representation has been received while processing the proposal.

 As per the MoEF& CC Office Memorandum F.Nn. 22-65/2017-IA, III dated: 30.09.3020 and 20.30.2020 the propurent shall author EMP furnished.

20. As accepted by the Project proponent the CEE and is Rs. 5 lights and the amount shall be igner for the Government Higher Secondary school. Uthurnalist Village as committed, before obtaining CTO from TNPCH.

Agenda No: 362 - 19.

(File No: 9557/2022)

Proposed Rough Stone and Gravel Quarry Issue over an extent of 2,25.0Ha SF.No.359/5, 359/6(P), 359/7(P), 363/2916282 6 364/3A(P) of Nathkud Village, Vembalcottal Teluk, Virudhunagar District by Thiru.E.Granaraj - for Environmental Clearance (SIA/TN/MIN/405636/2022, dt 07.11.2022)

The proposal was placed in 362° SEAC meeting held on 13.03.2028. The project proponent gave statisfied presentation. The details of the project furnished by the project are available in the website (purposeh.niz.in).

The SEAC noted the following:

 The Project Proponent, Thiru.E.Criarus of his applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 2.26.0Hz SF.No.359/5, 359/6(P), 359/7(P), 363/2916282 & 364/3A(P) of Nathings Village, Verstakopter-Taluk, Verudhungan Dirmict, Tamil Nadiu.

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- The proposed quarry/activity is unvered under Category "82" of item 100 "Mining Projects" of the Schedule to the DA Notification, 2006.
- 3. As per mining plan, the lease period is 3 years. The mining plan is for the period of 5 years & the production should not exceed 163030m³ of Rough Stone & 75230m³ of Westhered rock 53895m³ of Gravel. The around yeak production 33460m³ of Exugh Stone (4° Year) 24200 ent of Westhered rock (3° Year) & 17901 m³ of Gravel (3° Year). The ultimate depth – 43m 8GL.

| S). No | Details of the Proposal | H | Data Furnished |
|-----------|--|----|--|
| 1 | Name of the Owner/Term | | Thiru.E.Grameraj. S/o.TSakkinsj. No.372a, 'West Street. V.O.C.Negar, Semurigapuram. Rejaculayom Talak - 626302, Virudhunegar District. |
| 7 | Type of quarrying (Sevudu/Baugh Brone/Sand/Granits) | Ī | Rough Stone and Gravel |
| 3 | 5.7 No. Of the openry site with area tonals up | ľ | 309/3. 359/60Pj. 359/7/Fj. 363/2E162B2 & 364/3A/Fj |
| 4 | Williage in which situated | П | Nathbadi |
| 5 | Yalak in which shasted | H | Verminkottei |
| 6 | Dienic in which strusted | 11 | |
| 7 | Extens of quarry (in ta.) | П | 2.26.0Ha |
| * | Latitude & Longitude of all corners of the querry site | ľ | 09'24'26.30'N to 09'26'34.80'N 17'42'08.25'E to 73'42'15.15'E |
| 7 | Topo Sheet No. | T | 38 - G/11 |
| 10 | Type of mining | | Opencest Sens - Mechanised of Mining & Existing quarry |
| 11 | Period of quarrying proposed | В | |
| 12 | Production (Quantity in m*) | | 165030m1 of Rough Store & 15230m2 of Weatheast nod 33895m1 of Gravel |
| 33 | Literate Depth of quarying | Ŧ | #Jrn WGL |
| 14 | Depth of water table | I | IIOm EGL |
| 15 | Max Pourse requirement per day: | | M Nes |
| | The second section of the second section is a second section of the second section of the second section is a second section of the section of the second section of the section of the second section of the second section of the sect | | |

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| 16 | Source of Water Requirement | wener vendors |
|----|--|--|
| 12 | Water requirement: | 4.0 NLD |
| | Drinking & domestic purposes (in KLD) Dost suppression, Green Belt & Wet | LOND |
| | Delling (in KLD) | 1.5 KID |
| | According to the second | 1.5 KLD |
| 18 | Power requirement | TNE |
| 19 | Whether any habitation within 300m distance | (No |
| 20 | Precise area communication approved by | BcNn.XVI/YXV2022-Kanimum. |
| | the, District Collector, Department of | dt. 03/09.2022 |
| | Geology and Mining with date | I TO COMPANY AND |
| 21 | Mining Flun approved by Assistant | RocNo.KVU190/2022, dtl |
| | Director, Department of Geology and Mining with date | 25.08.2022 |
| 22 | Assistant Director, Department of Geology | RocNo KV1/190/2022, dt: |
| | and Mining 200m cluster letter | 25-04-2022 |
| 23 | VAO settificate regarding 300m radius clutter | Lettier dt : 08.08.2022; |
| 24 | Project Cust | 1 8x.03.86 Leth |
| 29 | EMP unit | Bullib, M. Lakhi |
| 26 | CIR cort | Rx 520 Lakhr |

Based on the presentation and documents furnished by the project proporent, STAC after considering safety and containable mining practice decided to reconversel the proposal for the grant of Environmental Clusterina medicaling section ([A-A'] & (B-B')) (19°, No. 363/281) (180 (Langitrijix 24) (Whithip X 8 (Depth)) & writin ((C-C') & (D-D')) (16°, No. 363/282) (160 (Langitrijix 23) (Whithip X 8 (Depth)) for the period of 3 Years and the officuate depth of mining is upto 43m BGL and for the production of 186926 m² of Rough Stone & 75230m² of Weatherest rock &538950m² of Gravel and however the annual peak production shall not exceed \$3460m² of Rough Brone, 24200 m² of Weatherest rock & 1790) m² of Gravel subject to the standard conditions at per the Annexure I of this remates & normal conditions alliquisted by MOEF &CC. in stidition to the following specific conditions:

 The prior Environmental Cleanance granted for this mining project shall be swipe for the project life including production value as laid down to the mining.

MEMBER SECRETARY SEAC-TN

CHAIRMAN SEAC-TN

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- plan approved and renewest by compensat authority, from time is time, subject to a maximum of thirty years, whichever is earlier vide MoRFECC Notification LO. 1807(E) done! 12.04.2022.
- The PP shall inform the notice of opening of the quarry to the Director of Miner Safety (DMS)/Chennal Region and get the occurrant statutory permission under the AMR 1961 pertaining to the mine working operations in the proposed quarry from the DML Overnal before obtaining the CTO.
- The mine manager and other statutory component persons such as bisiter (or)
 state more shall be approximal as per the provisions of Mines Act 1952 and
 Metalliferous Mines Regulations, 1968 believe the obtaining the CTO from the
 DEE/TNIPCR.
- 4. The proposent shall maintain the '53 for) GZ' type of fencing all around the boundary of the proposest working source with goes for entry/swit before the conveniencement of the operation as recommended in the DGMI Crouter, II/1959 and shall furnish the phonographs showing the same before obtaining the CTO from TNPCB.
- 5. The PP shall instalt an verbunkment of having base width of not less than 2m and height of not less than 2m along the least boundary directing towards the niver side along with adequate goriend draitage and recovery tree plantations shall be carried out for preventing soil erosson in the emberkment.
- Further, the PF shall maintain the garland drain with proper size, gradient and length along the boundary of the pit leaving behind the mandatury safety alone of 7.5 / 50 m as 8 is designed to take one of non-off water (size, gradient and length) before obtaining the CTO from TNPC8.
- The PP shall ensure that the benches & hauf road are properly designed and formed in accompance with the provisions of MMR 1991.
- E. The Project Propurers (PP) shall submit a "Stope stability action plant' incorporating the food roost range keeping the benches intext for the proposed querry lease after it is duty writed by the conserved AD (Mines) before obtaining CTO from TNPCB.
- However, the PP that carry out the stimitfic dudies to oness the slope stability of the Desches and quarry wall when the depth of the quarry touches 30 m

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for) after the completion of 3 years of operation whichever is earlier, by involving any of the regular Remarch and Appdemic Institution such to CBR-Central Institute of Mining & Fori Remarch / Dhanhard, NIRM, IIT-Martins, NIT-Dept of Mining Engg, Sunsthial, and Anna University Chemian-CBG Certipus, etc. A copy of such scientific mody report shall be submitted to the IEIAA, MoEF, TNIPCR, ADIMENS-DGM and DMS, Chemian as a part of Environmental Compliance without any deviation.

- 10. The PP Wall carry out maximum of TWO rounds of controlled blad per day, restricted to the maximum of 50 to 60 number of holes per round with matrixing maximum charge per delay in such a manner that the blast induced ground vibration level (Peak Porticle Velocity) measured in the houses/structures bocated at a distance of 300 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting. The PP shall also ensure that the blasting operation shall be samed out once in 2 days to reduce the environmental impacts effectively.
- III. However, within one year from the commencement of mining operations, the PF shall carry out the scientific studies on "Design of Blast parameters for reducing the impact of blast-induced ground/air vibrations and fly rock caused due to operation of the querry by indopting appropriate controlled blasting techniques", by involving a regulard Bancouch and Academic Inditiation such as CBR-Central Institute of Mining & Fael Resourch (CIMFR) / Dhorstool, NIRM, ITT-Madras, NIT-Dept of Mining lings, functional and Aresa University CEG Campus, A copy of such scientific study report shall be submitted to the SEIAA, MoET, TNPCB, AD/Mines-DGM and DMS, Chemial as a part of Environmental Compilance.
 - 52.54o Deep-hale large diameter drilling and Matting is permitted in the proposed quarry.
 - 13. The PP shall use the jack hammer shift muchine fitted with the dust extractor for the drilling operations such that the logither start is controlled effectively at the source.
 - 14. The RP shall misure that the blading operations are carried out by the biagonthine Mares Mine Foreman employed by him in accordance with the

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- provisions of MMB. 1961 and it shall not be carried out by the persons office than the above statutory personnel.
- 15. The PP shall ensure that the bletting operations shall be carried out during a prescribed time interval with a prior notice to the habitations shorted around the proposed quarry after having posted the suscribulguards adequately to coolies the operance of public within the danger zone of 500 m from the boundary of the quarry.
- The RP shall mediculously carry out the retigation measures as spelt out in the revised EMP.
- 17. The Project Proponent shall encure that the funds exemasted for environmental protection measures should be kept in organize account and should not be diverted for other purpose. Year-wise expenditure should be reported to the MoEF& CC Minimay and its Integrated Regional Office (SRO) located in Chernal.
 - 18. The Project Proponent shall send a copy of the clearance letter marked to operanned Fernbeyer from whom any suggestion/representation has been received while processing the proposal.
 - As per the MoEF& CC Office Memorandum F.No. 22-65/2017-9A.III dated: 10.09.2020 and 20.10.2020 the proportion shall adhere EMP functions.
 - 20.As prosphed by the Project proponent the CER cost is Ro. 5 labble and the amount shall be spent for the Government Middle School, Nathfold as committed, before attaining CTQ from TNPCB.

Agenda No: 362-20 (File No: 9551/2022)

Proposed Raugh store & Gravel lesse over an extent of 3.89.0 Hz at 5.F.No's: 178/9, 178/10, 217/18, 217/2, 217/3, 217/4A, 217/48 & 217/5 in Perumbakkam Village, Cheyyur Taluk, Chengalpatta: District. Tamil Nazu by R. Cheliametha-For Environmental Clearance (SIA/TN/MIN/405350/2022 dt 04.11.2022)

The proposal was placed in this 362" meeting of SEAC tests on 18.03.2023. The details of the project lumined by the proponent are available in the website (parties) nicini.

The SEAC noted the following

1. The Project Proposers, N. Chellamusha has suplied for Environmental Chargeres

MEMBER SECRETARY SEAC-TN

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for the Proposed Rough stone & Gravel least over an extent of 3.89.0 Hz at I.F.No's; 178/9, 178/90, 217/18, 377/2, 217/3, 217/4A, 217/4B & 217/5. Perumbakkam Village, Cheyyar Taluk, Chengsipatra District, Tamil Nactu.

- The proposed quarry/activity is covered under Category "82" of Item 1(a).
 "Mining Projects" of the Schedule to the ElA Notification, 2006.
 - The salant features of the proposed project as follows:

| II. Nu | Detail | Is of the Proposal |
|--------|---|---|
| L | Name of the Owner/Firm | K. Chefiamutha (Partnet). Mr. Managappa Blue Metals. No.3, Regovering Nagar, Thauthert, Singaperumai Kolt. |
| 2. | Type of marrying | Changelpatta Taluk & Obtrict. Rough stone & Gravel |
| 3. | S.F.No. Of the quarry star with urea toesk-up | 178/9, 178/10, 317/18, 317/2, 317/3, 217/4A, 217/48 & 217/5 |
| 4 | Village in which situated | Pyrumbalikam |
| 5, | Taluk in which churted | Cheyyur |
| 6. | District to which situated | Chengelpatra |
| 7. | Esture of quarry (in ha.) | 3.89.0 Ha |
| 8,5 | Lease Period gratited | 10 Years/New |
| 9. | Life of the Project | 10 years |
| IO. | Type of mining | Opmical, Servi-Mechanized mining method |
| II. | Production (Quantity in In2) | As per the mining plan the issue period is 10 years. The mining plan is for the period of five years & production should not exceed 5.29,798m² of Rough Stone & 96.687m² of Gravel with maintaining a depth of 25m (3m Gravel + 22m Rough stone) #GL. |

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| 12. | Armual peak Production (Quantity in mil) | The annual peak production is 142220m ² of Rough Stone & 96687m ² of Gravel. | |
|------|---|--|--|
| 12. | Ultimate Depth of quarrying | 40m BCA. | |
| 600 | | BRANTES | |
| 14. | Depth of water table | 55m in Summer Sesson -50m in Ridny Sesson | |
| 13. | Latitude & Lingitude of all comers of the quarry site | 12°24'29.75"N to 12°24'39.01"N | |
| | Of the Hannah sem | 80° 29.57°E to 80° 217.52°E | |
| 16. | Top Sheet No. | 66-D/I | |
| 17. | Man Power requirement per day | U No. | |
| in. | Precise area communication | NA.KA.No.8513/Kanimam/2021. | |
| | approved by the Assistant Director & G&M with date: | Dwier5:30:08.2022 | |
| 19. | Mining Plan approved by Assistant | Bit No. 8513/ Miner/ 2021 Direct: 12.09.2022 | |
| | Director 6/Q& Geology and Mining with date | | |
| 20. | Assistant Director (I/Q4 Geology and Mining, mines 500m studen letter | Rc No. 8513/ Miney 2001 Dated: 12:09:3002 | |
| 21. | VAO certificate regarding 300m radius duster | Lether dated: 20.07.2021 | |
| 22. | Water requirement: | 6.750 KLD | |
| | 14. Drivking & Utilized Water (bs KLD) | 2,750.KLD | |
| | 15. Dust suppressiontin KLD) | 2.0 KLD | |
| | 16. Greenbelt (in KID) | 2.0 KLD | |
| 23. | Power requirement | TNB | |
| (50) | E. Dymettic Purpose | 439934then of HSD | |
| 24. | Project Cort | 84.1,17,31.55QF A | |

MEMBER GENETARY SEAC -TN



| 25. | EMP aust | Ceptal cost: Ru60.84.636/- | |
|-----|----------|--|--|
| | | Recording cost: Rs.32,54,780/- Account | |
| 26. | CER met | Re3.00.000/- as accepted by the PF | |

Based on the presentation and documents luminost by the project proposent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for total excession quantity exceed 529788m² of Rough Stone & 96687m² of Cravel with maintaining proposed pit depth of 25m (3m Gravel + 22m Rough stone) 9GL & annual peak production capacity of 142220m² of Rough Stone & 96687m² of Gravel subject to the standard conditions as per the Annexure 1 of this minutes & normal conditions at paying ACC, its addition to the following specific conditions:

- The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier vide MinEFGCC Notification 5.0, 1807(E) dated 12.04.2022.
 - The more manager and other statutory competent persons such as bluster tory
 mine mater shall be appointed before the azomerowment of mining operation
 as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations,
 1967.
 - The PF shall submit the "Notice of Opening of the quarry to the Regional Impactor/Director of Mines Salety. Chemnal Region under the section 16 of the Mines Act, 1932 and in accordance with the Reg. 3 of MMR 1961 before obtaining the CTO.
 - 4. The proposent shall commut the '13 (or) GZ' type of fencing all around the boundary of the proposed working quarry with gates for entry/esit before the communication of the operation as recommended in the DCMS Circular, TU7959 and shall format the photographic/map showing the same before elitaring the CTO from TNPCB.
 - Further, the FF shall construct the garland shain with proper size, predient and length along the boundary of the pit leaving behind the mandatory salety zone.

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- of 7.5 m as it is designed to take care of run-off water from gradient and lengths.
- The Project Proposers (PP) shall submit a "Hope stability action plan" incorporating the hauf road ramp keeping the benches intact for the proposed querry least after it is duty without by the innoversed AD (Mines) before observing CTO from TNPCR.
- 7. However, the PF shall sarry out the scientific studies to assess the dope stability sell the benches and querry wall when the depth of the querry toucher 20 m (or) after the completion of 3 years of apartation arbitraries is easier, by involving any of the regular Research and Academic Institution such as CSR-Central brutture of Mining & Fuel Research / Dhartland, NIRM, ST-Modres, NIT-Dept of Mining Engg, Sentition, and Amus University Chessus-CDG Compus. etc. A copy of such scientific study report shall be submitted to the SDAA, MoEF, TNDCR, AD/Mines-DCM and DMS, Chemist in a part of Environmental Compilator without any deviation.
- As a part of 8C Compliance, the PP shall carry out the tree plantation [2000] notif to act as a literate to reduce make level and dust pollution along the boundary of the quarrying site considering the wind direction before obtaining the CTO from the TNPCE.
- No 'Desprisie large dismeter drilling and blasting' is permitted in the proposed stammer.
- 10. The PP shall carry out maximum of two rounds of controlled blast only per day, remitded to the maximum of 50 to 60 number of holes per round with maximalining maximum charge per delay in such a matter that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 300 m shall not exceed 2.0 mm/s and no fly nock shall travel beyond 10 in from the site of blasting. The PF dual also ensure that the blasting operation shall be carried out once in 2 days to reduce the environmental impacts affectively.
 - III. The PP shall use the lack humaner criti machine fitted with the due estractor for the delling operations such that the fugitive start is controlled effectively at the source?

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- 12. The PP shall ensure that the biasting operations are carried out by the blaster/Mine Mats/Mine Foreman employed by him only as per the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
- 13. The PF shall ensure that the blasting operature shall be carried out during a prescribed time interval with a prior notice to the school/other habitations situated around the proposed quarry after having posted the sentries/guards ackepusely to confirm the con-exposure of public within the danger zone.
- The FP insit metturiously carry out the mitigation measures as spell out in the resided EMP.
- 15. Since a lake is situated at a distance of 280 m, the PP shall carry out the comprehensive hydrogeological studies within 2 years of the commencement of quarrying operation to assess the quality & quantity of the ground water due to impacts of quarrying operation by involving any of the required. Research and Academic trestrution such as CSSR-Gentral Involving and Fuel Research / Dhambad, NIRM, ICT-Madras, NIT-Dept of Mining and Surathilal, Arms University Chemist-Dept of Geology, CEG Campus, and University of Madras -Dept of Applied Geology, Chemist stic shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DME. Chemist as a part of Environmental Compliance.
- 16. The Project Proponent shall ensure that the funds-earmarked for environmental protection measures about the kept in separate account and should not be diverted for other purpose. Year-wise expenditure should be reported to the Modifia. CC Ministry and its Integrated Regional Office (SRO) located in Chemist.
- 17. The Project Proposent shall send a copy of the clearance letter marked to concerned Eurobayat from whom any suggestion/representation has been received while processing the proposal.
- As per the MoTF& CC Office Mereurandum F.No. 22-65/2007-6A'SL stated: 3G-09-2020 and 2C 10-2020 the proposent shall adhere EMP templets.

MEMBER SECRETARY SEAC TO

CHAIRMAN BLAC-TN 19. As accepted by the Project proponent the CER cost is Rs. 5 takes and the amount shall be spent for the Parichayat Union Primary & Middle School, Perumbakkam, Siruvankulam, Madalyampakkam, Village as committed, before obtaining CTD from TNPCII.

Agenda No: 362-21 (File No: 9558/2022)

Proposed Rough stone & Gravel lease over an extent of 3.02.5 Ha at 5.F.No 5/2 & 6. Achthemdevithen Village, Srivilliputhur Taluk, Virudhunger District, Terril Nedu by Thirs. R.Kandisamy-For Environmental Clearance (SA/TN/MIN/291076/2022 of 10.09.2022).

The proposel was placed in this 362° meeting of SEAC held on 13.03.2023. The details of the project familyhed by the proponent are available in the website (periver) riskin).

The SEAC noted the following

- The Project Proponent, Thirs, R.Kansteumy has applied for Environmental Classrana for the the Proposed Bough stone & Gravel Issue over an extent of 2.02.5 Hz at 5.F.No. 5/2 & 6. Achdramstevithus Vittage, Scivilliputhur Taluk, Virudhursager District, Tamil Nado.
- The proposed quarry/advety is covered under Category "R2" of them IIA/ "Mining Projects" of the Schedule to the EIA Notification, 2006.
- Quarrying in this lease area was earther cannot for the period of 23:12:2013 to 22:12:2016 with proceedings no. KVI/528/2013, abreed: 19:12:3013.
- Environmental clearance for the lease area was obtained from SEIAA-TN, wide Lr,No. SEIAA-TN/E.No.1880/EC/10s/868/2013. dated 12.11.2013 wastel upto 11.11.2016 in the name of Tmr., K.Varoja for Gravel quarrying at S.F.Nor.S/2 & S. Achchamstavilthan Village, Srivillipothur Taloir, Visualhaneger District. Terril Nadaughts a depth of 2m BGL.
- Now, as per the mining plan the lease period is 5 years. The mining plan is for the period of five years & production should not exceed 2.41.310m² of Rough Shore & 43.580 m² of Gravel. The armual peak production is 66405m² of rough more & 27152m² of Gravel. The ultimate stepth is 34m BGL.

Based on the presentation made by the proponent, the SEAC called for the following

MEMBER WERE ARY SEAC-TN

CHAIRMAN HAC TH details from the P9.

1. The IP shall submit Certified Compilarus Report obtained from the office

of the concerned DEE/TNPCB (ac) IBO. MoEF & CC. Chennal on the existing

RC issued and appropriate indigating measures for the non-compliance

inerso, if arryo.

2. The RP shall furnish a letter obtained from AD/DD Mine & Genlegy with

respect to exact digith of existing Rt, period of the operation and stoppage.

of the earlier mines & quantity of minerals mixed out.

3. The proponent shall erect the '13 (no) G2' type of Barbert wire fencing all

around the boundary of the existing working quarry with gates for

entry/exit.

6. the proponent shall exmulate the plantation as a part of Greenbelt

development by considering the native species on all sides of the lease area.

5. The FP shall submit photographical evidences indicating Garland drain all

around the boundary of the project area.

8. The PP shall enumerate the permanent sinustures - which may belongs to the

PP or not - istusted within 300m radius of the proposed mining eres.

On receipt of the above, SEAC worklit further deliberate on this propert and decide

the further course of aution.

Agenda No: 362-TA:01

(File No: 9492/2022)

Proposed Sand quarry over an extent of 4.93.0 Ha in Cauvery river - located at 5.F.No: 170.09, Sarker Menanalli Village, Michanus Taluk, Namekkal District, Tamil Nadu by

I/O (F), Sarkur Menapatil Village, Mchanur Tatuk, Nameskal Dittrict, Tamil Nadu by M/L. The Executive Engineer, PWD/WRD- For Environmental Clearance.

(EA/TN/MIN/ 298558/2022 Dt.17.09.3022)

The proposal was placed for appraisal in 322" SEAC Meeting held on 19:10:2022.

The details of the project furnished by the proponent are given in the website

Aparticesh, (inc.) (ii)

The SEAC noted the following:

The Proporties, Mrs. The Essentive Engineer, PWD/WRD, has upplied for

Environmental Clascator proposed Sand querry over an extent of 4,93,0 Ha In

Curvery street Incored at S.F.No. 170 (F), Sorker Manapolit Village Michanian

MEMBER SECRETARY

SEAC-TN:

CHAIRDSAN -

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Taluk, Namakkal Dirrier, Tamil Nacio.

- The project/adivity is covered under category "E2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
- 3. As per mirrorg plan, the lease period is 2 years and the mining plan for the period of 2 years & mining quantity should rule exceed 93,177am of used. The utilinate depth 1.89m (0.89m Above Bed Level + Tex Relow Best Level) for a period of Two years.

Based on presentation & documents furnished by the PP, SEAC decided to carry out, unvite impection by the Sub Committee constituted by SEAC to: assess the present Enstronmental Condition, Further, the PP shall furnish the following details sturing the site impection.

- The Project Proponent shall study and report in detail on the "Rapierishment. Study" as per Suitainable Earth Mining Management Guidelines, 2016 and Enforcement & Morstoning Guidelines for Earth Mining 2020".
- 2. Pillar stone shall be arecruit before the site impection.

The proposal was placed in \$62rd SEAC meeting held no \$1,53,2023.

The State Expert Appraisal Committee (SEAC) Turnit Nadiu committee a subcommittee wide in: Ur No. SEAC/TNU9492 Site Impection/2022, dr.21.10.2022 to impect and study the field condition for the proposal weeking SC for a sand quarry proposed at Sarkar Manapalli. Whage in SF. No.1701P). Monanur Taluk, Namakkat Distruct. The Committee comprises of Dr.P.Ballamudeowaran, Member, SEAC.

As per the above letter the sub-committee sluted the site on 18.01.2025. The observations made in the field and recommendation derived on the basis of the field will are as below:

Proponent team;

The following sifficials of WRD/PWD participated and facilitated the field impedion-

- Er. M.Pavazhakkamnan. EE/Mining & Monitoring Division/Tricty.
- 2. Sr. B. Andread, ATE/Mining & Monitoring Districts, Trictgi-
 - J. Tr. C. Schumur, AE/Mining & Manintaring Division, Tricky.
 - 4. Er. B. Sangretha, AE/Mirring & Monitoring Division Tricky.

MEMBER SECRETARY

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CHARRONAN

| SNU | Details | Information |
|------|--|---|
| To . | Name of the owner | MVs.The Executive Engineer Water Resources Department Mining and Mandaring Distriction |
| | | Tinschleappulli -620020 |
| 2. | Type of quorying | Sond Querry |
| Jr. | Name of the River | Causery River |
| + | S.F.No. of the quarry site with area treak-up | 170 (8) |
| 5 | Wilage in which situated | Sarker Manapatil |
| 6. | Taluk in which attuated | Mohanur |
| 2. | Didnit in which shusted | Namekal |
| L. | Extent of quarry (in ha.) | 4.93.0 Ha |
| 3. | Feriod of quarrying propiosed | 2 Years |
| 10, | Production (Quantity in my) | As per mining plan, the least period is 2 years and the mining plan for the period of 2 years & mining quantity should not exceed 93,577m° of sand. The ultimate depth LBSm (0.89m Atome Sed Level + ten Betow Best Level) for a period of Two years. |
| W. | Depth of sand available in the quarry like stud-displat of mining proposed | 1.69m (0.89m Above Bed Level + 1m Below Bed Level) |
| 12. | Method of mining (Manual or Mechaniced) | Opercast method of studiow mining |
| 13, | Lattrade & Longitude of all comen of the query site | 11'04'43'.9747'74 to 11'04'51,120'74 78'05'21.9213'E to |
| | | 78'0833,3789'E |

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| 14. | Topo Shert No. | 58-1/ 04 |
|------------|--|--|
| 15. | Man Fower requirement per day: | 34 Employees |
| 16. | Prestor area communication approved by the District Collector with rists | Rr.No.34/Miney/2021, Daned 07:03:2022 |
| 17,: | Mixing Plan approved by the Assistant Director, Department of Geology and Mixing with state | Sr.Nn.34/Miner/2021 Dated: 07,05.2022. |
| # . | 300ests letter approved by the Assistant Director. Department of Geology and Mining with date | Buthio, 34/Miles/Q021 Dates 20.06:2022 |
| 19. | Water requirement: 1. Drinking 2. Dust suppression 1. Green Belt (in \$10) | 3.0 KLD 0.3 KLD 1.5 KLD 1.0 KLD |
| 20. | Power requirements a. Domestic Purpose a. Industrial purpose | TNIB 15,530 Liters of HSD W/II be Utilized. |
| 21. | Depth of water table | 18m to Summer Season — 13 m to Raley Sesson |
| 22. | Project Cost (excluding EMP cost) | Rp. 19.53.000/ |
| 23. | EMP cost | Ru64.99 Lakhr |
| 24. | R1 upitteim | 109.300m |
| 25 | ILL downstream | 109.130m |
| 26. | ILL Starting km., of the mining size of the sizes | Chairage 114+620m |
| | R.L. Ending km.; of the | Chairuge 114+010m |

MEMBER SECRETARY SEAC -TN

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| CDR cost | RL10.000 | |
|---------------------------|----------|------------------------------|
| VAO certificate regarding | NIL | |
| | NEGUCY | VAO certificate regarding NE |

Serier Menepalli Send Quarry: a) Location of the Quarry

| Filar No | Latitude | Langitude |
|----------|-------------------|--------------------|
| 1 | 11" 04" 49.8287"N | 78" 00" 23.9216" |
| 2 | 11° 66° 51.1211°N | 78°05'33.3789'E |
| 3 | 11° 04' 45.2671'N | 78° 05' 31.3785'Y. |
| 4 | 17:04:45.5777N | 78" 08" 21.9218"8 |

Details of the Query

| Patriette. | of the Querry | | |
|------------|------------------------|---|--|
| ii.No | Description | Details | |
| Ŧ | Proposal number | SIA/TYUMIN/287979/2022, Dt.10.08.2022 | |
| 2 | File number | 9492 / 2022 | |
| 3: | Proponent | Esecutive Engineer, WRD., Mining and Monitoring Division, Tirudynopali | |
| 4 | Major Project Activity | Mining of minerals | |
| 5 | Category | 82 | |
| 6 | Propost Type | Fresh, EC | |
| 7 | River | Causery | |
| - | Logitor | scation: SF. No. 170 (P) of Sarkar Manapath villa | |
| ψ. | Acres | 4.9330 Him | |
| 10 | Quantity & Duration | 83,177 m²/2 yeurs | |
| 11. | Drath | 0.89m shove limit level = Im below limit level | |

MEMBER SECRETARY SEAC TN

CHAIRMAN,

| | | Method of Mining | Open use - mechanized mining |
|--|--|------------------|------------------------------|
|--|--|------------------|------------------------------|

Observations:

- Proposed sand querry is located in the Seriar Manapolis Vitage in SF.No.170(F) in the river bod of Causery.
- The dimension of the proposed sand quarry is 290m in length and 170m in width.
- Safety distance of 50m is provided from the basis of the river on either elds.
- There are no infrastructures like bridge/ Pump/ Intake well within 500m radius both spitnesm & Downstream side.
- It is reported that there are no mining leaves greated in this area for the post.
 9 years.

During the impetitors, the SEAC Sull-Committee Member has requested the PP to carry out the Sand Replenishment Study by tinsolving an imitiate of environce possessing the expertise in the field of hydrogenings and environmental science for examining the site whether it is fit and suitable for carrying out the sand running and if it is found suitable, replenished quantity of sand after the monoron shall be determined for ensuring the scientific & systematic mining in line with SSMMG-20% & EMCSM, 2020 issued by Mott & CC.

Senit Replenishment Studies:

Sand plays an important role is delivering ecosystem services across martise, statis, beach, stver and underground eminonements. It helps in controlling eminon, delivering putstants, contributing to food security, and regulating the quality of acquirers, it also provides habitats and breaching grounds for diverse flore and basis. thus supporting blockventry.

However, Terral, gravel, snuthed stone and aggregates constitute the second-most exploited natural resource in the world after water. Their use his tripled in the last two decades to reach un estimated 40-50 tribus metric turnes per year.

Resping the above in the mind, the SMMG-2016 highlightwise identification of the sand mining sources, replicatelerent of the Riner Bed Material Sand, Boulder, Gravel, Cobble etc.), preparation of Districts Sorvey Report, and Standard.

MEMBER HICHETARY SEAC -TN CHAMMAN SEAC TA Environmental Conditions suitable for sand mining projects. The rememory empirements to comply with the direction of Hon'ble NGT and to facilitate affective experiencing and enforcement of regulatory provision for sand mining in the country are as follows:

"... The river reaction with small provide the resource and thos it is necessary to assertion the rate of replenistarians of the owneral. Regular regime/attendent study needs to be samied out to keep a balance between deposition and estruction. This document provides the provider to be lostowed for conducting replenotment mode....".

According to the Enforcement and Monitoring Coldelines for Sand Mining, 2020 (EMGSM, 2020), it states that

"....Repleasionment study for river beaf sand is required in smaler to multily the universe impacts arring also be executive sand extraction. Mining swifter air near riverted has a clinic impact on the steam's physical characteristics, such as character promoticy, beaf elevation, substratum composition and stability, in-mean roughness of the beaf. Sow velocity, discharge capacity, sediment transport capacity, turbidity and horspectature...."

For surtainable river and mining, it is recessary that the mine pits formed as a result of sund-locavation are retilled with sand by natural process of replenishment in a reasonable period of time so that the area is again available for mining.

Based on the direction given by the lide-Committee Member, SEAC, the PP has involved the Centre for Environmental Science, University of Madras. Chemist for carrying out the Replendement Study in the Covvery River (4.90 Hz) Sakur Manapath Village, Manapath Taluk, Namakkat District and accordingly the Institute has submitted the report after a detailed filed survey & investigations.

From the report, it has been revealed that the replexishment of sand in the Couvery neer, Sorium Manapalli Village for an extent of 4.90.0 Ha has been calculated by spot level survey method which observed the sand deposit of \$4,000.01 aum during the post-moreover periods, i.e., after 18° January 2023.

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CHAIRMAN SEAC TN Hence it is concluded that the replentitment study of sand in the above sile had ensured the controlled-scale mining of river sand above the existing streambed level resulting in no impacts sec the existing assuronment.

A uppy of the Repleminment Study carried out is the Cauvery Stver (4.90 Ha) Sarker Manapalli Village, Mchanur Taluk, Namakkal District is attached along with the Impection report.

Recommendations

- The PP shall form the temporary access roads or Notchs roads along the liant of the must be connect the mining area with locally available bits-degradable materials such as ougarcony wante (baggiore), two, etc.
- The FP shall carefully locate the proper entry and exit point taking into
 consideration the hubitations/settlements in the area for the recvement of localing
 vehicles in and out of the send quarry etc.
- It is the obligation of the Weter Resource Department to run the quarry in an environmentally inendly and ecologically suppressed manner.
- The PP shall take recovery steps to construct and strengthen the embankments of the river at the both sides during the sand quarrying operation.
- The PP shall maintain a uniform depth of excavation above the theoretical bed level during the querrying operation such that it ensures the free flow of more course.
- The PP shall sarry out the sand quarrying activities in such a manner that it ensures safe & beneficial activity for the public as it also prevents shallow flowing of water was the surrounding agricultural lends.
- The PP shall remove the dieds constructed at the quarry site after the exhaution
 of the quantity of sand, and all the roads / pathways may be levelled so that there
 is no obstruction for the normal flow in the over.
- B. The PF shall carry out the quarrying operation as indicated in the approved raining plan in such a way that the operation continuously aligned for smooth flow of water.
- 9. To prevent vir pollution that to the dust during sand quarrying operations and sufequand the persons in the condiquency and depot site, constant water sprinkling on pier pathways and dust prone does shall be carried our by the PP. The land

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- loaded vehicles are also to be sovered with a tarpaulity before moving out of the quarries/depots.
- No whiches for loading of sand, machineries other than used for loading shall be allowed within ten meters from the border of the river bank to ensure the river bank protection.
- The PP shall ensure that the suitable inabgenous plant species continuing to the site specifically are planted on quantified stretch of the fiver banks to provent river ingression and also to maintain river bank stability.
- The PP shall make sure that the auton mater, if they are not beneficial to the local community would need to be ploughed and re-planted with native species.
- The PP shall take remissery steps in the citize and restore river bank areas where ansers ramps have been respetabl, ensure their approach channel is not obstructed and that required bank is restored to normality.
- The 49 shall implement the embanisment rehabilitation measures as per the requirements to achieve river bank stebility.
- Reclamation and rehabilitation of river bed affected by quarrying operations shall be undertaken in a phased manner so that work is completed before the conclusion of quarrying operations and the abandonment of quarry.
 - 16. The FP shall strictly follow the recommendations given in the existing two guidelines viz. "Sustainable Sand Mining Management Guideline-2016" (SSMG-2016), and "Enforcement & Monitoring Guidelines for Sand Mining" (EMGSM-2020) published by the MoSF & CC without any deviations for the management of sustainable and extraction and monitoring of the mined-out material.

Herer, the subcommittee opines the proposal for the Issue of Envisormental Clearance for the Sand quarry proposed at Sarkar Manapalit Village in SF No. 170 (F), Mohanur Tatuli, Namakkal District, Tamil Nado may be considered.

Based on the Impedion report, presentation and documents furnished by the project proponent. SEAC decided to recommend the proposal for the grant of Environmental Clearance for 93,177mf of Sand for period of 2 Years, subject to the hollowing specific conditions, in addition to normal conditions stigulated by MOSE ACC:

 The proposent shall flu flag posts at boundaries for the proposed mining area sovering an extent of 4.93.0 Ha. There should be no deviation/violation with respect to the area demarcated for quarrying.

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- The depth of sand quarrying shall be 1.99m (0.99m above bed level in limit below bed level).
- 3. A study shall be carried out on nutrinuble used mining in regard to how substitutible is the proposed sent mining along with continuous explection of replantitiment data for all the restors of every year as per Enforcement & Moretoring Guidelines for land Mining. 2020 stimidering impact of sand mining on replantment of sand and impact of sand mining on ground water tuble/infilteration wells around the proposed mining lease area by the reputed academic inditutions like Arms University, Chepton and RT, Madras.
- 4. The project proponent shall moretor the groundwater level during send quarrying operations, a network of existing wells may be established assured the send quarrying area and new placements must be trutailed at all send quarry sites. Monitoring of General Whole: Quality in the skinity fone Krs. reduce lines the send quarrying site) shall be curried out since in two months by engaging Groundwater Wing of the Water Bossonors Department.
- To prevent that pollution, suitable working insthodology needs to be adapted taking wind direction into consideration.
- At no cost the impact of und mining should interfere with the habitation and sulfination in the nearby area along the river bed.
- The mining ones must be demarkated leaving at least 50m from the river embarisment on either side.
- Corrowing of the river bird has to be taken to assertable the relative levels of earld in the river and also to suggest the depth of sand wining.
- To some safety measures along the boundary of the query ste, security guards are to be engaged during the entire period of mining operation.
- 10. Wherever irrigation channels take all from the over within the boundary of the mining project, the mining operation should not affect the flow of water to the irrigation channels.

11. The entire used mixing operation should be as per the guideliner for sustainable sand energy loued in 2016 by the MoEF& CC, GCIL New Delta.

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12. If the agricultural activities (or) thick greeneries are being carried out around all the sand mining projects, the mining operation should not affect the greeneries (or) agricultural activities in well as it should not lead to depletion of water in the open wells located nearby.

13. The approach road and loading of the sand in the vehicles, movement of the writch should be placed and implemented in such a way that there is no make and dust pollution in the recently habitation. We recommend that PWD should maintain at least a safe distance of 300m from the habitations while planning the approach road and the loading operation. Wherever recessary and more the habitation in particular start suppression measures to be adopted. While the loaded vehicle move on the road that should be fully covered with tarpacies.

14. The pathway used by all machineries should be properly constructed and maintained by the PWD in order to avoid pollution.

15. The mining operation should be above the ground water table.

 Adequate statutory margower to be deployed for complying with the provisions to use heavy machinenes as per Mines Safety Regulations (MCDR, 2017 6, MMR, 1961).

 The Proportion shall provide Provision of So-tailet to be ensured and conferred.

18. During the seed mining work, appropriate progressive mine about authorises must be implemented to sentone the river bad to its original status for ansuring the free flow.

19. The PP shall form the temporary access hoads or Katcha roads along the bank of the mass to connect the mining area with locally available bio-degradable materials such as sugarcate woote (bassures, buy, etc.)

20. The FP shall carefully locate the proper entry and exit point taking into consideration the habitation/orthonorms in the area for the implement of loading whiches in and out of the sand quarry size.

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- It is the obligation of the Water Resource Department to run the quarry in an environmentally hierarly and ecologically sustainable manner.
- 22. The PP shall take necessary stops to construct and strengthen the embenkments of the river at the both sides during the sand quarrying operation.
- 23. The PP shall maintain a uniform depth of excivation above the theoretical best level during the quarrying operation such that it ensures the line flow of river course.
- 24. The JPP shall carry out the sand quarrying activities in such a manner that it answer safe & baneficial activity for the public as it viso prevents shallow bowing of water into the surrounding agricultural lands.
- 25. The PP shall remove the shock constructed at the quarry site after the exhaustion of the quantity of sand, and all the roads / pathways may be levelled so that there is no obstruction for the normal flow in the siver.
- 26. The FF shall carry out the quarrying operation in indicated in the approved mining plan in such a way that the operation continuously aligned for imanife flow of water.
 - 27. To prevent air pollution due to the stur during sand quarrying operations and safeguard the persons in the sand sparry and deput are, constant water sprinkling on the pathways and shot prone areas shall be carried out by the PP. The sand loaded settides are also to be severed with a targetin before receiving out of the quarries/depots.
 - No vehicles for loading of rand, machineries other than used for loading shall be allowed within ten meters from the border of the river bank to ensure the river bank protection.
 - 28. The PP shall ensure that the suitable indigenous plant species confirming to the size specifically are planted on sparsified shelph of the river banks to present river ingression and also to maintain river bank stability.
 - 29. The FF shall make sure that the occess routes, if they are not beneficial to the boost continuently would reed to be ploughed and re-effected with native spacies.

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- 30. The PP shall take necessary steps in the close and restore sher bank areas where access rempt have been resorted, among fiver approach channel is not obstructed and that repaired bank is restored to normally.
- 31. The PF intil implement the embankment rehabilitation measures as per the implements to achieve river bank studyling.
- 32. Reclamation and retubilitation of river bed affected by quarrying operations shall be undertaken in a phased manner to that work is completed before the conduston of quarrying operations and the absolutement of quarry.

Agenda No: 363- TA:02 (File No: 9458/2022)

Proposed Sand quarry over an entert of 4,95.0 Hs in Cauvery river located at SF. No. 47 (P) of Boromalapaloyam village, Paremethi Vellium Taluk, Namakkal District. Tamil Nedu by M/s. The Ecocutive Engineer, PWD/WRD- For Environmental Clearance, GIA/TN/MIN/288256/2022 Dt.11.08.2022)

Earther, this proposal was placed for appealsal in 322* SEAC Meeting held on 19.10.2022. The details of the project furnished by the proponent are given in the website (partyesh.nic.in).

The SEAC noted the following:

- The Proponent, M/s. The Executive Engineer, PWCVWRD, has applied the Environmental Cleanance proposed Send quarry over an extent of 4.95.0 He in Cacvery river: located at 5 LF, No. 47 (P) of Scremalopelayers village, Paremethi Velicor Tolus, Nameskal District, Tamil Nach.
- The project/activity is covered under savegory "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the BIA Northization, 2006.
- 6. As per mining plan, the lines period is 2 years and the mining plan for the period of 2 years & mining quently should not exceed 99,000m² of sand. The uttimate depth 2m (Im Above Bid Lavel + Im Below Bid Lavel) for a period of Two years.

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CHAIRMAN TEAGATN Based on presentation & documents furnished by the PP, SEAC decided to sarry out orally impection by the Sub Committee constituted by SEAC to asses the present Environmental Condition. Further, the PP stuff turnesh the following details during the site impection.

- The Project Proponent shall study and report in detail on the "Replenshment Study" at per Surjainable Sand Mining Management Guidelines, 2016 and Entonoment & Monitoring Guidelines for Sand Mining 2020".
- Pillar storce shall be rescred festors the site inspection.

The proposal was placed in 362" IEAC meeting helid on 13.03.2003.

The State Expert Approisal Committee (IEAC) Tiend Neds constituted a subcommittee vide its Lr.No. SEAC/TRU9458 Site Impertion/2022, stat. 21.10.2022 to impect and study the field sandition for the proposal weiting EC for a sand query proposal at SF, No. 47 (P) of Bosemulapalayare village. Epigmatti Vellure Taluk, Namekkel Detroit. Tamil Nada, The Committee comprises of Dr.P.Ballemadeswaran, Member, SEAC.

As per the above letter the sub-committee visited the sile on 18.01,2023. The elservations made in the field and recommendation derived on the basis of the field visit are as before:

1.0 Sub-Committee:

The State Expert Approval Committee (SEAC) Tamil Nada committed a refrequential vide its Lr.Nin. SEAC/TN/9438 Site Impedian/2022, drd. 21.10.2022 to imped and study the field specifion for the proposal seeking EC for a send querry proposed at Bummulapalayers Village in SF No. 47 (F). Parametri-Veter Taluk, Namakkai Diotics. The Committee comprises of Dr. P. Balamadeovaran, Member. SEAC.

Accombingly, the sub-committee visited the site on TB.01.2023. The observations made in the field and recommindation derived on the basis of the field wish are given as below:

1.1 Proponent teams

The following officials of WRD participated and facilitated the field impection:

5. Er. M. Favoghakkovnon, EE, Mining & Misnitoring Division, Trichy.

MEMBER SECRETARY

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- 8. Er. S. Arutmani, AEE/Mining & Monitoring Division, Tricity.
- T. D. C. Sukumar, AE/Mining & Monitoring Division, Tricky.
- B. Er. S. Sargeetha, AE/Mining & Monitoring Division Trichy.

2.0 Bommalapalayam Sand Quarry:

b) Location of the Querry

| Pillar No | Latitude | Longitude |
|-----------|-------------------|-------------------|
| 1 | 11" 04" 25 3123"% | 77° 54' 38.4037°E |
|) | 11° 04° 31.6733°N | 77° 54' 58.0339°F |
| 3 | IT 04'25.1433'N | 77° 54' 53:6083°E |
| 4 | 11°04°25.7822°N | 77° 54' 56.9882°E |

b) Details of the Quarry

| SI.No | Description | Details | |
|-------|------------------------|--|--|
| 1 | Proposal number | BA/TN/MIN/288256/2022, Dt.II.D6.2022 | |
| 2 | File number | 9458 / 2022 | |
| 3 | Proponere | Executive Engineer, WRD., Mining and Monitoring Division. Tinustreppshi | |
| 4 | Major Project Activity | Mining of minerals | |
| 3 | Category | 82 | |
| 6 | Project Type | Fresh EC | |
| 7. | River | Couvery | |
| | Leation | IF. No. 47 (P) of Hammalapalayam viDage | |
| 9 | Area | 4.95.0 Hes | |
| 10 | Quantity& Duration | 99000 m²/ 2 years | |
| Ħ. | Depth | Im above ted level + Im beigle byd level | |
| 12 | Method of Mining | Open raid - micharcard mining | |

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3.0 Observations:

- Proposed send userry is located in the Bornessapaloyan Village in IF No.47(P) in the river bed of Carvery.
- The dimension of the proposed sand quarry is 450m in length and 110m in watth.
 - Selety distance of 50s; is provided from the banks of the swee on either side.
- There are no infrastructures like bridge/ Fump/ Intake well wittin 500m radius both upstream & Downstream side.
- It is reported that there are no rollning leaves granted in this area for the past.
 S years.

During the impection, the SEAC Sub-Committee Merober has requested the PF to carry out the Sand Replenishment Study by invalving an institute of environce possessing the expertise in the field of hydrogeology and environmental science for examining the site whether it is fit and ustable for carrying out the sand mining and if it is found suitable, replenished quantity of sand after the moreocon shall be determined for ensuring the scientific & systematic mining in line with SSMMG 2016 & EMCOM, 2000 issued by MoEF & CC.

4.0 Sand Replenishment Studies

Sand plays an important tole in delivering ecosystem services across marine, delta, beach, siver and underground environments. It helps in controlling erosion, delivering nutrients, contributing to food security, and impulating the quality of equitien, it also provides habitals and breating grounds for diverse flora and found. Thus supporting blockwentry.

However, Sand, gravel, studied stone and aggregates conditute the second-most exploited natural resource in the world after water. Their use has tripled in the last two decades to reach an estimated 40-50 billion matrix tornes per year.

Keeping the above in the mixe, the SSMMG-2016 highlights the identification of the sand mining sources, replevelement of the liver limb Material (Sand, Boulder, Gravel, Cottile etc.), proporation of Districts Servey Report, and Standard Environmental Conditions satisfie for sand mixing projects. The recessive requirements to comply with the simulton of Hon'ble NGT and to facilitate

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effective moditoring and enforcement of regulatory provision for sand mining inthe country are as follows:

"... The river reaction with sand provide the resource and thus it is necessary to ascertain the rate of replenishment of the mineral. Regular replications and study needs to be surried out to keep a batterior between deposition and extractions. This document provides the protector so the lightness for conducting replicationsers study....".

According to the Enforcement and Monitoring Guidelines for Sand Mining, 2020: ISMGSM, 2020s. it states that

For sustainable viver sand intropy, it is necessary that the more pits formed as a result of send-exposition are relified with sand by natural process of replemenment in a reasonable period of time to that the area is again available for mining.

Bosed on the direction given by the Sub-Committee Member. SEAC, the FF has involved the Centre for Environmental Science, University of Madras, Chernal for carrying out the Replenofinent Study in the Causery River (4.95 Ha) Boremanateyem Village. Faremeth Vellore Tatuk, Namakket District and accordingly the Institute has submitted the report after a detailed filed survey & investigations.

From the report, it has been revealed that the replenishment of sand in the Cauvery river. Burningslayaro Village for an extent of 4.99.0 Ha has been satisfated by spot level survey method which observed the sand deposit of 18.496-ps.m during the pod-moreoco periods, i.e., after 18th January 2023.

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CHAIRMAN SEACE TN Hence it is concluded that the replemishment mody of sand in the above site had someoned the controlled-scale mining of over sand above the existing streambed level resulting in no impacts on the existing environment.

A copy of the Replenishment Study correct out in the Coovery River (4.95 He) Bocurrepoleysm Village, Paramethi Velices Tolok, Nemakkal District is attached along with the Inspection report.

5.0 Recommendations:

- The PP shall form the temporary assets reads or Katchs roads along the bank of the river to connect the maning error with locally available bio-degradable materials such as regardance senses (Segmen), key, etc.
- 18. The PP shall carefully locate the proper entry and exit point taking into consideration the habitations/settlements in the area for the represent of leading vehicles in and out of the sand quarry site.
- If it the obligation of the Water Resource Department to run the querry in an environmentally freedly and ecologically suitainable manner.
- The PP shall tolic meanury vieps to construct and strengthen the embaskments of the river at the both sides during the sand quarrying operation.
- The PP shall matrices a uniform depth of excevation shows the theoretical best level during the querying operation such that it ensures the free flow of discr countr.
- 22. The PP shall carry out the sand quarrying activities in such a manner that it ensures sale & beneficial activity for the public as it also prevents shallow flowing at water later the surrounding agricultural lends.
- 23. The PP shall remove the shads standarded at the quarry site after the exhaustion of the quantity of sand, and all the roads / pathways may be levelled so that there is no obstruction for the normal flow in the river.
- 24. The RF shall carry out the quarrying operation as indicated in the approved mixing plot in such a way that the operation portinoposity aligned for amount flow of water.
- 25. To prevent six pullution due to the shot during sent quarrying operations and subspaced the persons in the sand quarry and dispot site, consiste water sprinking on site pathways and dust prone areas shall be sarried out by the FF. The sand

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- isoded which are also to be sowered with a tarpaulin before moving out of the quantituble pols.
- 26. No writides for loading of sand, machineries other than used for loading shall be allowed within ten meters from the burder of the river bank to ensure the over bank protection.
- 27. The PF shall ensure that the satisfile indigenous plant species confirming to the one specifically are planted on quantified stretch of the river basis to prevent river ingressors and also to maintain river bank dablity.
- 28. The PP shall make now that the access routes, if they are not beneficial to the local community would reset to be ploughed and re-planted with native species.
- 29. The PP shall take necessary steps in the dose and restore river bank areas where assess range have been resorted, ensure river approach channel is not obstructed and that repaired bank is restored to normalize.
- 30. The PF shall implement the imbankment rehabilitation measure as per the requirements to achieve their bank stability.
- Reclamation and rehabilitation of river local affected by quarrying operations shall be undertaken in a phoned trunner so that work is completed before the conduction of quarrying operations and the alreadyment of quarry.
- 32. The PF shall strictly follow the recommendations given in the existing two guidelines viz. "Sustainable fund Mixing Management Guideline-2016" (SSMG-2016), and "Enforcement & Monitoring Guidelines to: Sand Mixing" (EMGSM-2020) published by the MoEF & CC without any demails on the management of sustainable and extraction and monitoring of the mined-out material.

Hence, the sub-committee opines the proposal for the issue of Environmental Clearance for a field quarry proposed at SF, No. 47 (P) of Sommalapalayam village, Faramethi Veture Tatus, Namalikal District, Tarrill Nada may be considered.

Based on the Inspection report, presentation and documents furnished by the project proponers. SEAC decided to recommend the proposal for the grant of Environmental Clearance for 99,000m* of Sand for period of 2 Years, subject to the following specific conditions, its addition to normal conditions impulmed by MICRF 6CC:

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- 33. The proponent shall fix flog posts at boundaries for the proposed mining area covering an extens of 4.95.0 Hz. There should be no deviation/ violation with request to the area demanded for quarrying.
- 34. The depth of sand quarrying shall be 2m (1m above bed lessel + 1m below bed level).
- 35. A study shall be carried out on sustainable rand mining in regard to how sustainable is the proposed rand mining along with continuous collection of replenishment data for all the seasons of every year as per Enforcement & Munitiaring Custolines for Sond Mining, 2020 considering impact of send mining on replichment of sand and impact of sand mining on ground water table/infilteration wells around the proposed mining lease area by the reputed ecademic limitactions like Arms University, Chennal and ET, Madne.
- 36. The project proponent shall monitor the groundwater level during sand sparrying operations, a network at existing with may be established around the sand quarrying one and new piecometers must be installed at all sand sparry sites. Monitoring of Ground Water Quarity in the vicinity (one Kri radius from the sand quarrying site) shall be servied out uses in two morehs by angaging Groundwater Wing of the Water Resources Department.
- 37.To prevent dust pollution, satisfie working methodology needs to be adopted.
 Taking woul describe into consideration.
- 32. At no sort the impact of sand mining should interfere with the habitation and guittestion in the nearby area along the over bed.
- 39. The markey area must be dominated leaving at least 50m from the river embankment on either side.
- 40. Contouring of the river bed has to be taken to ascertain the relative levels of sand in the river and also to suggest the depth of sand mining.
- 45. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged sharing the settire ported of mining operation.

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- 62. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not effect the flow of water in the irrigation channels.
- The entire cand reming operation should be as per the guidelines for sustainable and mirrorg issued in 20th by the MnEF& CC, GOI, New Delta.
- 46. If the agricultural activities bory think greeneries are being carried out around all the send mining projects. The mining operation should not affect the greeneries (on) agricultural activities as well as it should not lead to depletion of water in the open week located nearby.
- 45. The approach road and loading of the und in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no note and dust postution in the nearby habitation. We recommend that PWO should maintain at least a sale distance of 300m from the habitations while planning the approach road and the loading aperation. Whenever anomally and twar the habitation in particular dust suppression measures to be adopted. While the loadest vehicle move un the road that should be fully covered with turnsulin.
- 46. The pathway used by all madiments should be properly constructed and maintained by the PWO in order to provid pollution.
- 47. The missing operation should be above the ground water table.
- 46.Adequate statutory margower to be deployed for complying with the provisions to use heavy multituries as per Mines Safety Regulations DMCDR-2017 & MMR, 1961).
- 49. The Proponent shall provide Provision of bio-toilet for his ensured and confirmed.
- 50. During the sand mining work, appropriate progressive mine closure authorities result be implemented to restore the ever bed to its original status for enouring the free flow.

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- Si. The PP shall form the temporary access roads or Kocha roads along the bank of the river to connect the mining area with lexally available bindegracable materials such as suggresses waste (Incorne), hay, etc.
 - 52. The PP shall carefully locate the proper entry and exit point taking into consideration the habitations/settlements in the pres for the movement of locating vehicles in and out of the said query site:
- 53. It is the obligation of the Water Resource Department to run the quarry in an environmentally Hencily and emitography sustainable marrier.
- 54. The PP shall take necessary steps to construct and strengthen the endandaments of the river at the both sides during the sand quarrying operation.
- The PP shall maintain a uniform depth of excavation above the theoretical bed level during the quarrying operation such that it ensures the free flow of over course.
- 56. The PP shall carry out the sand quarrying activities in such a manner that it ensures safe & beneficial activity for the public as it also prevents shallow flowing of water into the surrounding agricultural lands.
- 52. The PP shall remove the sheds constructed at the quarry site after the exhaustion of the quartity of rand, and all the roods / pathways may be levelled as that there is no obstruction for the roomal flow in the river.
- 26. The PP dual carry out the quarrying operation as indicated in the approved mining plan in such a way that the operation continuously aligned for amount flow of water.
- To prevent air poliution due to the dust during and quarrying operations and sateguard the persuru in the sand quarry and depot site, contain water specialing on the pathways and dust prone areas shall be carried out by the FP. The sand loadest writides are also to be covered with a tarpeutin before moving out of the quarries/depots

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- 28 No vehicles for loading of sand, much herios other than used for loading shall be allowed within ten meters from the border of the river bank to ensure the river bank properties.
- The PP shall ensure that the suitable inalgenous plant species spriftming to the site specifically are planted on quantified stretch of the siver banks to prevent their ingression and also to maintain other bank stability.
- 30 The PP shall make sure that the access routes, if they are not beneficial to the local community would need to be ploughed and re-planted with sit native species.
 - The PP shall take necessary deps in the dose and reduce more bank areas where access runtps have been resorted, ensure river approach channel is not obstructed and that required burni is reduced to normality.
- 3.2 The PF shall implement the embankment tellabilitation measures so per the requirements to achieve over bank stability.
- 3.3 Recismation and rehabilitation of meer bed affected by quarrying operations shall be undertaken in a phased manner or that work is completed before the conclusion of quarrying operations and the shandowners of quarry.

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ANNEXURE-I

- The proponent shall mandatorily appoint the required number of sixtutory officials and the sumpetions persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
- The proponent shall erect ferrorg all around the boundary of the proposed area, with gates for entry/took below the commencement of the operation and shall furnish the photographs/map showing the same below obtaining the CTO from TNIPCS.
- Perentral maintenance of haulege read/village / Fundayet Road shall be done by the project proponent as required in connectors with the concerned Gost. Authority.
- 4. The Project Proponent shall active to the working parameters of mining plan which was submitted at the time of EC approisal whenty year-wise plan was reentioned for total excavation. Le. quantum of mineral, waste, over burden, inter-hunden and top soil etc.. No charge in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and soops of working (via. method of mining, overturden & dump management, CLB & dump mining, mineral transportation mode, ultimate depth of mining atc.) shall not be samed out without prior approval of the Ministry of Environment, Forest and Climate Charge, which estail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. In the form of Stort Term Parmit (STF). Query license or any other name.
- S. The mind/waste generated during the mining operations shall be eladed at elemented waste during shall; body. The physical parameters of the waste during the height, width and angle of stope shall be governed as per the approved Mining Plan as per the guidelines/crossare insured by DGMS w.r.t. safety to mining operations shall be structly adhered to ministens the stability of waste dumps.
- 6. The proponent shall arrans that the slope of dumps is suitably vegetated in substific marrier with the subve species to maintain the slope stability, prevent employ and surface run self. The guillas formula on slopes should be adequately taken care of as it impacts the overall trability of dumps.

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- Perennial sprinking amongement shall be in place on the hadage road for fugitive dust suppression. Fugitive emission measurements should be carried out sharing the mining operation at regular intervals and submit the complicated report to TNPCE once in its months.
- II. The Propert Proponent shall samy out slope stability study by a regularif academic/research institution such as NIRAL ST, Anna University for evaluating the sale slope angle if the proposed dump height is more than 30 meters. The slope stability report shall be extrested to concerned Regulari office of MoEF&CC, Goot, of India, Chemia as well as ESAA, Tamilhada.
- The Propurent shall ensure that the Note level is monitored during mining operation at the project site for all the machineries deployed and adequate note level roduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted in TNPCB once in 6 months.
- 10. Proper harrien to reduce note level and stud pollution should be established by providing greenbelt diong the boundary of the quarrying site and suitable working methodology to be admitted by considering the wind direction.
- III. The purpose of Green belt around the protect is to starture the fugitive emissions, carbon requestration and to attenuate the noise generated, in addition to improving the seatheries. A wide range of indigenous plant species should be planted as given in the appendix is consultation with the DFO. State Agriculture. University and local school/college authorities. The plant species with democ/moderane carropy of native origin should be shown. Species of small/mediatry/tail frees alternating with should be planted in a mixed marrier.
- 12. Talleroone year old Saplings raised in appropriate size of bags, preferably acofinencily begs should be planted in proper escapements as per the advice of local literal authorities/botanist/Hosticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the foundary of the propert site with at least 3 matters wide and in between blocks in an organized manner.

MEMBER ISSUEARS

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- 13. Noise and Vibration Related; (i) The Proponent stuff carry out savily the Controlled Blasting operation using NONEL think tube intration system during daytime. Usage of other initiation systems such as deterrating contificies, rafety fine, ordinary detonators, cond rulays, should be avaided in the blasting operation. The mangation measures for control of greated attractions and to arrest fly rocks should be implemented meticularity under the approvious of statutory competent persons possessing the 1 / It Class Mines Manager / Foreman / Blaster sentificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of boulders shall be correct out to any occasions and only the Rock Breskers (or) other suitable non-explosive tischniques shall be adopted if such secondary breekage is required. The Project Proponent studt provide required number of the socurity secones for guarding the danger zone of 500 m radius from the site of Masting to amore that no human/aniroal is present within this darger some and also no person is allowed to enter into lost stay in the danger some during the Marting, (ii) Appropriate measures should be taken for carried of issue levels below 85 38A in the work environment. Worken engaged in operations of HEXAV, etc. should be provided with our plugs/multis, (10) Notic levels thrould be repositored regularly fors weekly builts near the major sources of revise governition within the ight slock:
- 74. Count water quality monitoring should be conducted once in avery six menths and the report should be submitted to TNPCB.
- 15. The operation of the quarry should not affect the agricultural activities & water busines near the project idle and a 50 m sufety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Sit Management" and prepare a 509 for periodical de-sitiation indicating the possible sit content and size in case of any agricultural land units around the quarry.
- 16. The proponent shall provide sedimentation tank / settling tank with adequate paperty for runoff numagement.

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- 17. The proponent shall arrow that the transportation of the quarried materials shall not cause any bindrance to the Village popular Existing Village Road and shall take adequate salinty pressuttonary measures while the vehicles are passing through the schools / hospital. The Propost Proposent shall ensure that the road may not be damaged dise to transportation of the quarried rough stores; and transport of rough stores will be as per RIC Coldelines with respect to complying with traffic congestion and density.
- 18. In ensure safety measures along the Issundary of the quarry sie, security guards are to be posted during the entire period of the mining operation.
- 19. After mining operations are completed, the mine closure adiotive as indicated in the mine closure plan shall be middly carried out by the Proponent Julifling the recovery actions as assured in the Environmental Management Plan.
- 20. The Project proportion shall, after ceasing mining aspections, undertake re-grassing the mixing area and any other area which may have been disturbed due to their mixing activities and restore the land to a condition that is fit for the growth of footides, fiors, forms etc.
- 21. The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Robe 1955 for emuring safety, health and welfare of the people working in the mines and the samounding habitums.
- 22 The project proponent shall enture that the provisions of the MMRD, 1956, the MCDR 2017 and Taminadu Minor Minoral Concession Rules 1959 are compiled by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, smarture and the public and putatic works located in that vicinity of the quarrying area and in a manner to preserve the environment and acology of the ones.
- 23. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the exploy of the quarry lease period and the same shall be informed to the District AD/DD (Geology and Mining) District Enstroymental Engineer (TNPCE) and the Director of Mines Sefery (DMS), Oversall Region by the proportient without fail.
- 24. The Project Proponent shall solde by the annual production scheduled specified in the appetition mining plan and if any deviation is observed, if will pergor the

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- Preject Proponent liable for legal action in accordance with Environment and Mining Laws.
- 25. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildfalls as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWA clearance, as per the existing law from time to time.
- 26.All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, consumed District in the mining plan approval letter and the Precise area summarisation letter issued by summerical District Collector should be strictly believed.
- 27. The mining lasse holden shall, after sowing mining operations, undertake regrating the mining area and any other area which may have been disturbed due to their mining activities and redore the land to a condition which is fit for growth of fooder. Some fours etc.
- 28. The Project proposent shall insuit a Digital Roard at the entrance of the mining leave area/starting the public Roard, about the project information as shown in the Appendix –8 of this minute.

MEMBER HERETARY

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Appendix -I List of Native Trees Suggested for Planting

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Appendix -II

Display Board (Size 6' x5' with Blue Background and White Lettern)

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