

WELCOME

**TO THE HONORABLE CHAIRMAN & MEMBERS OF SEAC, TN
PRESENTATION FOR SAND QUARRY FOR OBTAINING**

“ENVIRONMENTAL CLEARANCE (AMENDMENT) – B2 CATEGORY”

**over an extent of 4.94.0 Hectares in S.F. No. 2596/ A (P), in Nerur North
(Mallampalayam) Village, Manmangalam Taluk, Karur District**

EC Amendment Online Proposal No: SIA/TN/MIN/261184/2022 dated 10.05.2022

Production Capacity : 50348m³ per annum for Two years

F.No. 8258

PROJECT PROPONENT

THE EXECUTIVE ENGINEER,
Mining and Monitoring Division,
Water Resources Department,
Tiruchirappalli ,
Tamil Nadu.

ENVIRONMENTAL CONSULTANT

S. SURIYAKUMAR

QP & EIA Coordinator Mining – “A” Cat.
Aadhi Boomi Mining & Enviro Tech (P) Ltd, Salem
NABET Accredited EIA Consultant – “A” Cat.
NABET Accreditation No: NABET/EIA/2124/RA 0228




ADS by 262th Minutes of Meeting

Agenda No: 262-15

(File No: 8258/2021)

Proposed Sand quarry over an extent of 4.94.0 Ha in Cauvery River located at S.F.No: 2596/A(p) Nerur North (Mallampalayam) Village, Manmangalam Taluk, Karur District Tamil Nadu by the Executive Engineer, PWD/WRD- For amendment in Environmental Clearance. (SIA/TN/MIN/261184/2022 Dt.11.3.2022)

The proposal was placed for appraisal in this 262nd SEAC Meeting held on 8.4.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).


MEMBER SECRETARY
SEAC -TN



CHAIRMAN
SEAC -TN

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The SEAC noted the following:

1. The Proponent, Executive Engineer, PWD/WRD, has applied for amendment in Environmental Clearance issued for the Sand quarry over an extent of 4.94.0 Ha in Cauvery River located at S.F.No: 2596/A(p) Nerur North (Mallampalayam) Village, Manmangalam Taluk, Karur District , Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1(a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. Earlier, the PP has obtained Environmental Clearance for the said proposal vide Lr.No.SEIAA-TN/F.No.8258/EC/1(a)/4592/2021, Dt.27.3.2021 for the production quantity of 49400 m³ of Sand in Cauvery River for the period of Two Years from the date of execution of the mining lease, with the following condition among them
 - i. The mine working will be Manual
 - ii. The project proponent is allowed to engage bullock carts to transport the sand.

4. Now, the PP vide Lr No. DB/DO.1/F.23/26-M/Dt.11.2.2022, has requested that, *"As per the conditions contemplated in the Environmental Clearance, the Mechanism of mining operation is restricted to Manual and Transportation is restricted to Bullock carts. Due to Covid -19 Pandemic situation, the lease agreement for this Nerur North (Mallampalayam) Village Sand quarry has not been executed. Now, the Tamil Nadu Govt has decided to resume the sand quarry operation to fulfil the State sand demand. But, expected demand for sand is much higher than the probable supply which could not be met out from the existing sand quarries of the state. Hence the rate of supply needs to be increased, to satisfy the huge demand from the public and Govt projects as well. This can be done through Machinery Loading and General Transport. Hence, it is requested that mining mechanism for Nerur North (Mallampalayam) Village Sand quarry operation may please be amended as Machinery and Transportation mechanism as General (All Available mode of transport) at the earliest"*.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC-TN

This proposal was placed before 262nd SEAC Meeting held on 8.4.2022. Based on the representation and documents furnished by the project proponent, SEAC noted that the PP has originally furnished the mining plan approved by the Directorate of Geology and Mining for the manual mining & transportation through bullock cart only and the Environmental Clearance was granted accordingly but it has not been executed by the PP. Hence SEAC decided that, the project proponent shall furnish the revised mining plan approved by the Directorate of Geology and Mining for their proposed mechanized mining operations with general transportation for further deliberations.



Executive Engineer <eepwdtrichy@gmail.com>

Acknowledgement Slip for EC Modification application

monitoring-ec@nic.in <monitoring-ec@nic.in>
To: eepwdtrichy@gmail.com
Cc: monitoring-ec@nic.in

Mon, May 9, 2022 at 2:24 PM

Acknowledgement Slip for Modification of

This is to acknowledge that the proposal for Modification of has been successfully submitted on the portal of the SEIAA.

Following should be mentioned in further correspondence

1. **Proposal No.** : SIA/TN/MIN/281184/2022
2. **Category of the Proposal** : Non-Coal Mining
3. **Name of the proposal** : Nerur North Mallampalayam sand quarry
4. **Date of submission** : 09 May 2022
5. **Name of the Project proponent along with contact details**
 - a) **Name of the proponent** : THE EXECUTIVE ENGINEER (PWD/WRO)-
TRICHY- SAND QUARRY
 - b) **Mobile No.** : 9885881880
 - c) **State** : Tamil Nadu
 - d) **District** : Tiruchirappalli
 - e) **Pincode** : 620020

Approved Modified Mining Plan Letter



30/4/2022

20/4

From

Dr.P.Jayapal, M.Sc., P.W.D.,
Deputy Director,
Geology and Mining,
Collectorate,
Karur District.

The Executive Engineer,
WRD,
Mining and Monitoring Division,
Trichy.

20/4
21/4/22

Rc.No.559/Mines/2018. Dated:29.04.2022

Sir,

Sub: Mines and Minerals - Minor Mineral - Sand quarry - Karur District - Manmangalam Taluk - Nerur North village (Mallampalayam hamlet) - Cauvery River Poramboke Land in S.F.No.2596A(Part) - Over an extent of 04.94.0 hectare - Application for grant of permission for quarrying sand by the Executive Engineer, Trichy - precise area communicated - Mining Plan approved - Modified Mining Plan submitted for approval - approved - Regarding.

- Ref:
1. The Executive Engineer, Public Works Department, WRD, Mining and Monitoring Division, Trichy letter No.559/Mines/2018, Dated:18.11.2020.
 2. Order of the Hon'ble Supreme Court of India in I.A.Nos.12-13/2011 in SLP (C) Nos.19628-19629/2009, dt: 27.02.2012.
 3. The Chairman, State Level Environment Impact Assessment Authority, Tamil Nadu D.O.Lr.No.SEIAA-TN/Minor Minerals/2012, Dated: 17.09.2012.
 4. The Commissioner of Geology and Mining, Chennai letter Rc.No.3868/LC/2012, dt: 19.11.2012.
 5. The District Collector, Karur Precise Area letter R.c.559/Mines/2020, dated: 07.12.2020.
 6. Mining Plan submitted by the Executive Engineer, PWD/WRO, Mining and Monitoring Division, Trichy letter No. DB/D.O-1/F-23/188-m, 2020, Dated: 14.12.2020
 7. This office even number mining plan approved letter dated:26.12.2020.
 8. Modified Mining Plan submitted by the Executive Engineer, WRD, Mining and Monitoring Division, Trichy letter No.DB/DO.1/F.23/104-M, Dated:18.04.2022

The Executive Engineer, PWD(RD), Mines and Monitoring Division, Trichy -20 in the reference 1st cited has requested to grant of permission for a new sand quarry, over an extent of 4.94.0 hecets of Government Poramboke land (Cauvery river) in S.F.No.2596A(Part) in Nerur North village (Mallampalayam hamlet), Manmangalam Taluk, Karur District.

2) In the reference 6th cited, the Executive Engineer, Public Works Department, WRO, Mining and Monitoring Division, Trichy has submitted the above mining plan for approval to grant of Sand quarry lease in S.F.No.2596A(Part) over an extent of 04.94.0 Hecets in river Cauvery in Nerur North village (Mallampalayam hamlet), Manmangalam Taluk, Karur District. Accordingly the submitted the mining plan was approved by Assistant Director(FAC), Geology and Mining, Karur vide reference 7th cited.

3) In the reference 8th cited, the Executive Engineer, Public Works Department, WRD, Mining and Monitoring Division, Trichy has stated that as per the conditions contemplated in the Environmental clearance, the mechanism in mining operation is restricted to manual and transportation is restricted to bullock carts. In this connection, the Tamil Nadu Government has decided to resume the sand quarry operation to fulfil the sand demand in the State. But, expected demand for sand is much higher than the probable supply which could not be met cut from the existing sand quarries of the state. Further, stated that the rate of supply needs to be increased to satisfy the huge demand from the public and the Government projects as well and this can be done only thorough machinery loading and general transport.

Further, the Executive Engineer, Public Works Department, WRD, Mining and Monitoring Division, Trichy has submitted the modified mining plan prepared by the Recognised qualified person as per instructions of the Tamil Nadu State Level Environmental Impact Assessment Authority for approval to the proposed sand quarry over an extent of 04.94.0 hecets., of Government Poramboke land (Cauvery River) in S.F.No.2596A(Part) of Nerur North village (Mallampalayam

hamlet), Manmangalam Taluk, Karur District. The modified mining plan has been prepared by Recognised qualified person Thiru.S.Suriyakumar, Reg.No.NABET/ELA/2124/RA-0228. The modified mining plan was prepared as per the guidelines given by Commissioner of Geology and Mining, Chennai - 32, vide reference 4th cited. The modified mining plan has been examined and the details of area applied for etc., are as below: -

1	The details of area applied for	S.F.No.2596A(Part) Nerur North village (Mallampalayam hamlet), Manmangalam Taluk, Karur District	
2	Name of the Panchayat	Nerur North village (Mallampalayam hamlet)	
3	Topo Sheet No.	58 I/O4	
4	Boundaries Corners	Co-Ordinates	
		Latitude	Longitude
	1	N 11° 01' 34.92337"	E 78° 08' 40.16862"
	2	N 11° 01' 38.13292"	E 78° 08' 42.97201"
	3	N 11° 01' 29.95210"	E 78° 08' 52.42012"
	4	N 11° 01' 26.76413"	E 78° 08' 47.64708"

The Geological and mineable reserves are detailed in Table -6C and 7C of Part A. The estimated mineable reserves are 100697 cbm for two years. The Environmental Management Plan and Mine Closure Plan are detailed in serial Nos. 9 and 10 of Part B. It is proposed that the above quantity of sand will be quarried within two-year period using machineries like excavators and bullock cart, tractor and tippers for the proposed sand quarry. There is no Wild Life sanctuary within 10 Km from the project site under Wild Life Protection Act 1972. The Mining Plan has been examined and it contains all the conditions stipulated in the rules.

As per the guidelines/ instructions issued by the Commissioner of Geology and Mining, Chennai -32 vide letter Rc.No.3868/LC/2012, dated 19.11.2012, the modified mining plan is hereby approved subject to the following conditions.

- (i) The modified mining plan is approved without prejudice to any other Law applicable to the quarry lease from time to time whether such laws are made by the Central Government, State Government or any other authority.
- (ii) This approval of the modified mining plan does not in any way imply the approval of the Government in terms or any other provisions of the Mines and Minerals (Development and Regulation) Act, 1957, or any other connected laws including Forest (Conservation) Act, 1980, Forest Conservation Rules, 1981, Environment Protection Act, 1980, Explosives Act, 1884 (Central Act IV of 1884) draft Minor Mineral Concession and Development Rules, 2010 and the Rules made there under and the Tamil Nadu Minor Mineral Concession Rules, 1959.
- (iii) The modified mining plan is approved without prejudice to any other order or direction from any court of competent jurisdiction or Government of India or State Government.
- (iv) Quarrying shall be done as per the approved modified mining plan and that the mining plan is approved without prejudice to any other order/Notification/ law applicable to the quarry lease from time to time whether such laws are made by the Central Government, State Government or any other authority.
- (v) If anything is found to be concealed as required by the Mines Act/MOEF & CC Notifications in the contents of the modified mining plan and the proposal for rectification has not been made,

the approval shall be deemed to have been withdrawn with immediate effect.


Encl: Two copies of Approved modified mining plan.

[Signature]
Deputy Director,
Geology and Mining,
Karur.

Copy submitted to:

- 1) The Director of Geology and Mining, Chennai-32.
- 2) The District Collector, Karur.
- 3) The Chairman, State Level Environmental Impact Assessment Authority, Tamil Nadu, 3rd Floor, Panagal Maaligai, Saidapet, Chennai-15.

MINING LEASE AND APPROVAL PARTICULARS

Particulars	Details
Proponent	The Executive Engineer, Tiruchirappalli
Total Mine Lease Area	4.94.0 Hectares
Survey Number	2596/ A (P)
Geo coordinates	Northern Latitude : N11°01'26.76413"to N11°01'38.13292" Eastern Longitude : E78°08'40.16862" to E78°08'52.42012" Toposheet No : 58 I/4 Elevation : 104.324 (Min) – 105.862 (Max) Above MSL
District Collector Letter	Roc.No. Rc.No.559/Mineral/2020 dated 7.12.2020
Approval of Modified Mining Plan letter	Assistant Director, Geology and Mining, Karur vide Roc. No: . 559/Mines/2018 dated 29.04.2022
Approved Production	Total production of sand is 1,00,697 m ³ including shoal portion. The average production is about 50348 m ³ per annum 336 m ³ /per day.
Period of Lease	Two years
Project cost	Rs 25 Lakhs
EMP cost	Rs 4.0 Lakhs 

RESERVES AND PRODUCTION (PROPOSED)

Particulars	Details
Method of Mining	Opencast Semi Mechanized Mining.
Geological resources	1,99,497 m ³
Mineable reserves	100,697m ³ (Shoal - 51297m ³ + Sand - 49,400m ³) shoal height= 1.03m
Production (100%)	Total production of sand is 1,00,697 m ³ including shoal portion. The average production is about 50348 m ³ per annum or 336 m ³ /per day
Depth of Mining	1m below bed level
Water Table	6-7m bgl
Period of Lease	Two years
Overall pit slope	The overall pit slope is taken as 45° from the horizontal.
Mine Road design	1:16 to 1:25 for transport