

WELCOME

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

“ENVIRONMENTAL CLEARANCE (AMENDMENT) – B2 CATEGORY”

over an extent of 4.90.0 Hectares in S.F. No. 539(P) in Nanniyur Village, Manmangalam
Taluk, Karur District

EC

Amendment Online Proposal No:

SIA/TN/MIN/261169/2022

Production Capacity : 67727 m³ per annum for Two Years

F.No.8260



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: 262-16

(File No: 8260/2021)


Proposed Sand quarry over an extent of 4.90.0 Ha in Cauvery river located at S.F.No: 539(p) Nanniyur Village, Manmangalam Taluk, Karur District Tamil Nadu by the Executive Engineer, PWD/WRD- For amendment in Environmental Clearance. (SIA/TN/MIN/261169/2022 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).

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 4.90.0 Ha in Cauvery river located at S.F.No: 539(p) Nanniyur 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.8260/EC/1(a)/4594/2021, Dt.27.3.2021 for the production quantity of 48000 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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC -TN

4)

- 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//27-m Date 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 Pandamic situation, the lease agreement for this Nanniyur 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 Nanniyur Village Sand quarry operation may please be amended as Machinery and Transportation mechanism as General (All Available mode of transport) at the earliest"*.

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.

Acknowledgement For Amendment

5/9/22, 3:30 PM

Gmail - Acknowledgement Slip for EC Modification application



Executive Engineer <eepwdtrichy@gmail.com>

Acknowledgement Slip for EC Modification application

monitoring-ec@nic.in <monitoring-ec@nic.in>

Mon, May 9, 2022 at 2:01 PM

To: eepwdtrichy@gmail.com

Cc: monitoring-ec@nic.in

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.** : SI/TN/MIN/261169/2022
2. **Category of the Proposal** : Non-Coal Mining
3. **Name of the proposal** : Nanniyur 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.** : 9865661680
 - c) **State** : Tamil Nadu
 - d) **District** : Tiruchirappalli
 - e) **Pincode** : 620020

EC AMMENDMENT APPLICATION ONLINE REPORT

5/10/22, 3:05 PM

View Report of Forms

Form-4

APPLICATION FOR AMENDMENT IN ENVIRONMENTAL CLEARANCE

(To be filled up by User Agency)

1. Details of Project

Proposal No. : SIA/TN/MIN/261169/2022

(a) Name of the project : Nanniyur sand quarry

(b) Name of Company / Organisation. : THE EXECUTIVE ENGINEER (PWD/WRO)- TRICHY- SAND QUARRY

(c) Registered Address. : THE EXECUTIVE ENGINEER, Public Works Department, WRD, Mining and Monitoring Division, Tiruchirappalli, Tamil Nadu 620020

(d) Legal Status of the Company. : State Government

(e) Joint Venture (Yes/No) : No

2. Address for the Correspondence

(a) Name of the Applicant. : EXECUTIVEENGINEER Trichy

(b) Designation (Owner/Partner/CEO) : Engineer

(c) Address :-

State : Tamil Nadu

District : Tiruchirappalli

Town / Village : No

(d) Pin Code : 620020

(e) Email : eepwdtrichy@gmail.com

(f) Telephone no : 2444297

(g) Fax no : No

(h) Mobile no : 9865661660

(i) Contact Person. : EXECUTIVEENGINEER

(j) Website (if any) : No

3. Category of the Project/Activity as per Schedule of EIA Notification, 2006

(a). Major Activity. : 1(a) Mining of minerals

Minor Activity : No

Major Sub Activity : No

Minor Sub Activity : No

(b). Category : B2

Reason for applicant at central level/state level(In case of B1 and B2) : No

(c). Reason : No

EAC Concerned (for category A Projects Only) : No

4. Location of the Project

(a) Plot No/Survey No/Khasra No : S.E.No. 539(P)

(b) Village : Nanniyur

5/10/22, 3:05 PM

View Report of Forms

Additional Detail Sought: NIL

14. Undertaking

(a): I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity / construction / expansion has since been taken up.

(b)Name : EXECUTIVEENGINEER Trichy

(c)Designation: Engineer

(d)Company: THE EXECUTIVE ENGINEER (PWD/WRO)- TRICHY- SAND QUARRY

(e)Address: THE EXECUTIVE ENGINEER, Public Works Department, WRD, Mining and Monitoring Division, Tiruchirappalli, Tamil Nadu 620020

Approved Modified Mining Plan Letter

From

Dr.P.Jayapal,
Deputy Director,
Geology and Mining,
Collectorate,
Karur District.



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

Sir, Rc.No.835/Mines/2018, Dated:26.04.2022

Sub: Mines and Minerals - Minor Mineral - Sand quarry - Karur District - Manmangalam Taluk - Nanniyur Village - Cauvery River Poramboke Land in S.F.No.539 (Part) - over an extent of 04.90.0 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.403/401/Gar.23, Dated:31.08.2021.
 2. Order of the Hon'ble Supreme Court of India in I.A.Nos.12-13/2011 in SLP (C) No.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 Rc.No.835/Mines/2018, 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-23/189-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.DE/DO.1/F.23/05-M, Dated:18.04.2022

The Executive Engineer, PWD(RD), Mines and Monitoring Division, Trichy - 20 in the reference 1st cited has requested for grant of

permission for a new sand quarry, over an extent of 04.90.0 hecets of Government Poramboke land (Cauvery river) in S.F.No.539(Part) in Nanniyur Village, 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.539 (Part) over an extent of 04.90.0 Hecets in river Cauvery in Nanniyur Village, Karur Taluk & 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 out 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 of proposed sand quarry over an extent of 04.90.0 hecets., of Government Poramboke land (Cauvery River) in S.F.No.539 (Part) of Nanniyur Village, Manmangalam Taluk, Karur District. The Mining Plan has been prepared by Recognised qualified person Thiru.S.Suriyakumar, Reg.No.NABET/EIA/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. 539 (Part) Nanniyur Village, Manmangalam Taluk, Karur District	
2	Name of the Panchayat	Nanniyur	
3	Topo Sheet No.	58 I/04	
4	Boundaries Corners	Co-Ordinates	
		Latitude	Longitude
	1	N 11° 04' 32.89942"	E 78° 04' 44.47474"
	2	N 11° 04' 36.95012"	E 78° 04' 44.01124"
	3	N 11° 04' 38.48024"	E 78° 04' 57.08012"
	4	N 11° 04' 34.54032"	E 78° 04' 57.55213"

The Geological and mineable reserves are detailed in Table -06 and 07 of Part A. The estimated mineable reserves are 67727cbm 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 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]
20/04/22
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 Manligai, Saidapet, Chennai-15.

MINING LEASE AND APPROVAL PARTICULARS

Particulars	Details
Proponent	The Executive Engineer, Tiruchirappalli
Total Mine Lease Area	4.90.0 Hectares
Survey Number	539 (P)
Geo coordinates	Northern Latitude : N 11°04'32.89942" to N 11°04'38.48024" Eastern Longitude : E 78°04'44.01124" to E 78°04'57.55213" Toposheet No :58I/4 Elevation : 109.25m (Min) – 109.75m (Max) AMSL
District Collector Letter	Roc.no. 835/Mineral/2018 dated 07.12.2020
Approval of Modified Mining Plan letter	Assistant Director, Geology and Mining, Karur vide Roc. No: . 835/Mines/2018 dated 26.04.2022
Approved Production	Total production of sand is 67,727 m ³ including shoal portion. The average production is about 33863.5 m ³ per annum 226 m ³ /per day for period of Two years..
Period of Lease	Two years
Project cost	Rs 25.50 Lakhs
EMP cost	Rs 4.0 Lakhs



Nanniuyur_MP.kml

RESERVES AND PRODUCTION (PROPOSED)

Particulars	Details
Method of Mining	Opencast Semi mechanized Mining
Geological resources	1,65,727 m ³
Mineable reserves	67,727 m ³ (shoal - 18,727 m ³ + Sand -49,000 m ³) Shoal height – 0.382m
Production (100%)	Total production of sand is 67,727 m ³ including shoal portion. The average production is about 33863.5 m ³ per annum 226 m ³ /per day for period of Two years.
Depth of Mining	1m below bed level
Water Table	5-6m 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