

F.No. 6419

Date: 11/07/2017

92-07

**Public Works Department (PWD), Government of Tamil Nadu – River Sand Quarrying at S.F No. 134/1 (Part) of Sithathur Thirukkai Village, Villupuram Taluk, Villupuram District by The Executive Engineer, Lower Pennaiyar Basin Division, PWD/WRO, Villupuram – Issue of EC – Proposals submitted by the PWD**

The project proponent has already applied for Environmental Clearance and get EC Lr.No.SEIAA-TN/F.No.3568/EC/1(a)/1809/2015 Dated: 27.03.2015 the validity of 2 Years the lease was expired on 26.03.2017. Then project proponent applied fresh application seeking for Environmental Clearance dated 28.07.2017. They are also requesting for full machinery operation for sand mining. In this regard the Project proponent was addressed vide Letter No. SEIAA-TN /F.No. 6419/2017 dated: 03.07.2017 to furnish the following additional details/ particulars to the sand Quarry.

1. The project proponent has to furnish the modified mining plan incorporating the mechanized and manual mining areas approved by the competent authority
2. The project proponent has to furnish the average depth of sand available in the proposed sand quarry site.
3. The project proponent has to furnish the study report about the status of Ground Water Table within a radius of 2.0km from the embankment of the proposed sand quarry site.
4. The details of the location to cover land use and ecologically sensitive areas.
5. Details of wells in the vicinity, ground water tables and other surface water bodies in the vicinity.
6. Thickness of Sand and its variation covering the entire area; similarly the width of the sand bed.
7. Agricultural land if any, surrounding the quarry site.
8. The composition of sand and other minerals present in the river bed.
9. Details of the river bed.
10. Reclamation of the sand area after mining needs to be submitted.
11. Justification for usage of more poclains in individual sand mining areas to be given.
12. Adequate safety measures in the quarrying area with respect to poclains to be deployed.
13. Adequate plan for traffic management for the loaded vehicles passing through nearby habitation.
14. The impact of dust pollution and noise on the habitations nearby.
15. The PWD has to provide a historical over view of the river in question with the impact of quarrying done over a period of time.
16. A profile of the river indicating the places where mining is currently going on. The distance between the mining spots including the stretch of the river (length and width).
17. Details of the soil profile at different intervals to explain the features.

18. The proponent has to establish that mining in this zone will not be detrimental to the riparian vegetation, it will not lead to erosion, pollution, destruction of habitats, lowering of neither ground water nor reduction in quality of water and impact on habitation.
19. The action taken to protect the channel geometry, hydrological process and sustainable mining may be clarified.
20. The justification for having chosen the site for mining such alternative analysis shall be described.
21. Certificate to ensure that the mining site has sufficient boundary pillars with geo reference.
22. In case details regarding modeling and simulations about sand aggregation and replenishment are available. It may be furnished.
23. The justification may also be produced that there is no stock piling of sand in the area.
24. Measures taken to protect the adjacent land and river flow may also be provided.
25. Action taken to provide adequate toilets, rest rooms shall be provided.
26. The quantity excavated during the period 2003 – 2016 on the same stretch may be furnished.
27. All actions taken and justification provided to ensure the mining is scientific and controlled as per Sand Mining guidelines, 2016 may be established.
28. It is also suggested that when mining is proposed in small streams and stretches, sufficient justification for choosing the place may be provided.
29. Action taken for continuous monitoring of the mining site

No details were furnished by the PWD. The subject was placed before the 92nd SEAC Meeting held on 11.07.2017. In the meeting, the Executive Engineer, PWD was requested to make a presentation on the proposals of the PWD. The members discussed with the Executive Engineer about the details of the proposals including the ecological aspects of the mining operation which were not satisfactorily complied.

The committee members concluded that more information and data are needed from PWD to make a decision regarding the EC. Accordingly, the committee directs the PWD to furnish the following data and information to the SEAC to consider the request of PWD. The data and information should be site specific and separately furnished for each quarry.

- I.
  - 1) The details of the location to cover land use and ecologically sensitive areas.
  - 2) Details of wells in the vicinity, ground water tables and other surface water bodies in the vicinity.

3) Thickness of Sand and its variation covering the entire area; similarly the width of the sand bed.





4) Agricultural land if any, surrounding the quarry site.



5) The composition of sand and other minerals present in the river bed.

6) Details of the river bed.

- II. The list of quarries which were covered in the report of the committee constituted by the Government of Tamil Nadu, headed by Thiru. Rajesh Lakhoni, IAS.
- III. Reclamation of the sand area after mining needs to be submitted.
- IV. Justification for usage of more poclains in individual sand mining areas to be given.
- V. Adequate safety measures in the quarrying area with respect to poclains to be deployed.
- VI. Adequate plan for traffic management for the loaded vehicles passing through nearby habitation.
- VII. The impact of dust pollution and noise on the habitations nearby.

The committee decided PWD to submit a comprehensive report detailing the above points. The SEAC will consider the revised proposals as and when received by them, for issue of EC.

S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr. A. NavaneethaGopalakrishnan	Member	
3	Dr.K.Valivittan	Member	
4	Dr.Indumathi M. Nambi	Member	
5	Dr. G. S. Vijayalakshmi	Member	
6	Dr. M. Jayaprakash	Member	
7	Shri V. Sivasubramanian	Member	
8	Shri V. Shanmugasundaram	Member	
9	Shri B. SugirtharajKoilpillai	Member	

10	Dr. P.Balamadeswaran	Co-opt Member	
11	Shri. M.S. Jayaram	Co-opt Member	

  
**Member-Secretary,**  
**SEAC**

  
**Chairman,**  
**SEAC**