

Minutes of EAC Meeting



Subject:- 133 rd SEAC Meeting held on 24 th August 2019

Venue:- SEAC Conference Hall

From :- 24 Aug 2019

To :- 24 Aug 2019

(1.) Proposal No. :- **SIA/TN/MIN/41321/2019** File No- **7048**

Type- **TOR**

INTRODUCTION

This has reference to your online application vide proposal no. **SIA/TN/MIN/41321/2019** dated **17 Aug 2019** along with the copies of EIA/EMP seeking Environment Clearance under the provisions of the EIA Notification, 2006 for the above mentioned proposed project. The proposed project activity is listed at S.No **,1(a) Mining of minerals** under Category **B** of EIA Notification, 2006 and the proposal is appraised at Central level.

PROJECT DETAILS

The project of M/s **EXECUTIVE ENGINEER MMD** located in as follows :

State of the project			
S. No.	State	District	Tehsil
(1.)	Tamil Nadu	Ariyalur	Udayarpalayam

Town/Village : **Karaikurichi**

The salient features of the project submitted by the project proponent is available at [Report](#) under online proposal no. **SIA/TN/MIN/41321/2019**

DELIBERATION IN EAC

After detailed deliberations, the committee observed:- **The subject was placed in this 133rd SEAC Meeting held on 24.08.2019. In the meeting, the Executive Engineer, PWD was requested to make a presentation on the proposals of the PWD. Based on the presentation the SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to following conditions in addition to the normal conditions. 1. The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 250 m X 199 m or 4.97.5 ha. There should be no deviation/ violation with respect to the area demarcated for quarrying. 2. The depth of sand quarrying shall be restricted to 1m from the theoretical bed level. 3. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration. 4. At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed. 5. The mining area must be demarcated leaving atleast 50m from the river embankment on either side. 6. 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.**

RECOMMENDATIONS OF EAC

The committee's recommendation 7. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation. 8. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels. 9. The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF & CC, GOI, New Delhi. 10. Around all the sand mining projects agricultural activities are seen. In addition the surroundings present thick greeneries. The mining operation should not affect the greeneries and the agricultural activities. 11. The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby 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 necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle move on the road that should be fully covered with tarpaulin. 12. The mining operation should be above the ground water table. 13. The conditions stipulated above need to be monitored and reviewed on fortnightly basis by the Taluk Level Task Force headed by Tahsildhar. At least two representatives from reputed research organizations like NIT, Trichy, Anna University department, Trichy, Annamalai University and Bharathidasan University should be included in the task force. 14. Adequate statutory manpower to be deployed for complying with the provisions as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961). 15. All the condition imposed by the District Collector, Ariyalur in the precise area communication vide Rc.No.458/G&M/2017 dated 18.11.2017 should be strictly followed. 16. All the condition imposed by the Deputy Director, Geology of Mining, Ariyalur in the mining plan approved vide Rc.No.458/G&M/2017 dated 27.11.2017 should be strictly followed. 17. The project proponent should fulfils the conditions imposed by the Honâ€™ble Madurai Bench of Madras High Court, in the order in W.P.(MD) Nos. 4251, 7960, 14577, 15121, 8655, 13836, 16150, 15343, 11376, 17143 and 17531 of 2017 and connected Miscellaneous Petitions, dated:16.02.2018. 18. For the sand quarry at Manjamedu Village, Ariyalur District, 99,930 cu.m of Sand will be mined. The maximum number of Poclains permitted is 2 Nos. 19. During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow. 20. The recommendation for the issue of environmental clearance is subject to the outcome of the Honâ€™ble NGT, Principal Bench, New Delhi in O.A No.186 of 2016 (M.A.No.350/2016) and O.A. No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016,M.A.No.920/2016,M.A.No.1122/2016, M.A.No.12/2017 & M.A. No. 843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No. 981 /2016, M.A.No.982/2016 & M.A.No.384/2017). 21. The proponent shall submit the proposal for the CER as per office memorandum of MoEF&CC dated01.05.2018 before placing the subject to SEIAA. 22. The project proponent may get the following information from the AD/DD Mines, Ariyalur District. â€œLetter from the AD/DD Mines about the details (Name of the Owner, S F No, Extent & distance from the boundary of this quarry) of other quarries (proposed/Existing/Abandoned quarries) within a radius of 500 m from the boundary of the proposed quarry site in the following format. Sl.No. Name of the Quarry Owner Name of Village

Conclusion

Recommended

Specific Condition

S.No	Condition
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(1)	The proponent shall fix flag posts at boundaries for the proposed mining area covering an extent of 250 m X 199 m or 4.97.5 ha. There should be no deviation/ violation with respect to the area demarcated for quarrying.
(2)	For the sand quarry at Manjamedu Village, Ariyalur District, 99,930 cu.m of Sand will be mined. The maximum number of Poclains permitted is 2 Nos
(3)	The depth of sand quarrying shall be restricted to 1m from the theoretical bed level.
(4)	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.
(5)	At no cost the impact of sand mining should interfere with the habitation and cultivation in the nearby area along the river bed.
(6)	To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
(7)	Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels.
(8)	The entire sand mining operation should be as per the guidelines for sustainable sand mining issued in 2016 by the MoEF & CC, GOI, New Delhi.
(9)	. Around all the sand mining projects agricultural activities are seen. In addition the surroundings present thick greeneries. The mining operation should not affect the greeneries and the agricultural activities.
(10)	The approach road and loading of the sand in the vehicles, movement of the vehicle should be planned and implemented in such a way that there is no noise and dust pollution in the nearby 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 necessary and near the habitation in particular dust suppression measures to be adopted. While the loaded vehicle move on the road that should be fully covered with tarpaulin.
(11)	The conditions stipulated above need to be monitored and reviewed on fortnightly basis by the Taluk Level Task Force headed by Tahsildhar. At least two representatives from reputed research organizations like NIT, Trichy, Anna University department, Trichy, Annamalai University and Bharathidasan University should be included in the task force.
(12)	Adequate statutory manpower to be deployed for complying with the provisions as per Mines Safety Regulations (MCDR, 2017 & MMR, 1961).
(13)	The project proponent should fulfils the conditions imposed by the Honâ€™ble Madurai Bench of Madras High Court, in the order in W.P.(MD) Nos. 4251, 7960, 14577, 15121, 8655, 13836, 16150, 15343, 11376, 17143 and 17531 of 2017 and connected Miscellaneous Petitions, dated:16.02.2018.
(14)	The proponent shall submit the proposal for the CER as per office memorandum of MoEF&CC dated01.05.2018 before placing the subject to SEIAA
(15)	The project proponent may get the following information from the AD/DD Mines, Ariyalur District. â€œLetter from the AD/DD Mines about the details (Name of the Owner, S F No, Extent & distance from the boundary of this quarry) of other quarries (proposed/Existing/Abandoned quarries) within a radius of 500 m from the boundary of the proposed quarry site in the following format. Sl.No. Name of the Quarry Owner Name of Village & Survey Number Extent in Hectare Distance from this proposed Quarry a. Existing quarries 1 2 b. Abandoned quarries 1 2 c. Present Proposed quarries 1 2 d. Future Proposed quarries 1 2 Total extent This detail has to be submitted before placing the subject to SEIAA.
(16)	The mining area must be demarcated leaving atleast 50m from the river embankment on either side.

(17)	All the condition imposed by the District Collector, Ariyalur in the precise area communication vide Rc.No.458/G&M/2017 dated 18.11.2017 should be strictly followed.
(18)	The recommendation for the issue of environmental clearance is subject to the outcome of the Honâ€™ble NGT, Principal Bench, New Delhi in O.A No.186 of 2016 (M.A.No.350/2016) and O.A. No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No. 758/2016,M.A.No.920/2016,M.A.No.1122/2016, M.A.No.12/2017 & M.A. No. 843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No. 981 /2016, M.A.No.982/2016 & M.A.No.384/2017).
(19)	The mining operation should be above the ground water table
(20)	All the condition imposed by the Deputy Director, Geology of Mining, Ariyalur in the mining plan approved vide Rc.No.458/G&M/2017 dated 27.11.2017 should be strictly followed.
(21)	During the sand mining work, appropriate progressive mine closure activities must be implemented to restore the river bed to its original status for ensuring the free flow.

and also enclosed as **Annexure-I**

The proposal was considered by Expert Appraisal Committee in its ----- th meeting held during ----- to ----- . After detailed deliberation the committee recommended for grant of Environment Clearance subject to Specific and General conditions.

The Ministry of Environment, Forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee and hereby decided to grant Environmental Clearance for the proposed ----- (Project Name), located at ----- .

(1.) Proposal No. :- **SIA/TN/MIN/41340/2019** File No- **7049**

Type- **TOR**

INTRODUCTION

This has reference to your online application vide proposal no. **SIA/TN/MIN/41340/2019** dated **17 Aug 2019** along with the copies of EIA/EMP seeking Environment Clearance under the provisions of the EIA Notification, 2006 for the above mentioned proposed project. The proposed project activity is listed at S.No ,**1(a) Mining of minerals** under Category **B** of EIA Notification, 2006 and the proposal is appraised at Central level.

PROJECT DETAILS

The project of M/s **EXECUTIVE ENGINEER MMD** located in as follows :

State of the project			
S. No.	State	District	Tehsil
(1.)	Maharashtra	Nagpur	Savner

Town/Village : **Manjamedu**

The salient features of the project submitted by the project proponent is available at

DELIBERATION IN EAC

After detailed deliberations, the committee observed:- **The SEAC noted the following: 1. The Proponent, M/s. The Executive Engineer PWD/WRD, Trichy has applied for Terms of Reference to SEIAA-TN for the existing Sand Quarry over an extent of 22.50.0 Ha at S.F.No. 322(Part) in Karaikurichi Village, Udayarpalayam Taluk, Ariyalur District. 2. The project/activity is covered under Category 'B' of Item 1(a) 'Mining Projects' of the Schedule to the EIA Notification, 2006. Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for the grant of Terms of Reference (ToR) to SEIAA with Public Hearing, subject to the following specific conditions in addition to the normal conditions as part of ToR:**

RECOMMENDATIONS OF EAC

The committee's recommendation **1. The details of the location to cover land use and ecologically sensitive areas. a. Details of wells in the vicinity, ground water tables and other surface water bodies in the vicinity. b. Thickness of Sand and its variation covering the entire area; similarly the width of the sand bed. c. Agricultural land if any, surrounding the quarry site. d. The composition of sand and other minerals present in the river bed. e. Details of the river bed. f. History of mining in the area shall be furnished. 2. Reclamation of the sand area after mining needs to be submitted. 3. Justification for usage of more poclains in individual sand mining areas to be given. 4. Adequate safety measures in the quarrying area with respect to poclains to be deployed. 5. Adequate plan for traffic management for the loaded vehicles passing through nearby habitation. 6. The impact of dust pollution and noise on the habitations nearby. 7. The PWD has to give scientific evidence for concluding that river sand depth is 1m. 8. The PWD has to furnish the details regarding agricultural activities that are taking place around the project area. 9. The details of the open/bore wells in the vicinity of the project site should be furnished. 10. Study the quality and quantity of ground water in 5km radius in the downstream of the project site. 11. Study the Impact of sand mining on the structures located in the nearby vicinity. 12. The route map for the Lorries for accessing the project area and for transporting mined sand should be specified. 13. The details regarding traffic volume in the vicinity of project area should be furnished. 14. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration. 15. A detail study shall be conducted on the impact of sand mining with the habitation and cultivation in the nearby area along the river bed and its mitigation measures. 16. The mining area must be demarcated leaving at least 50m from the river embankment on either side. 17. 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. 18. The EIA report should be as per the Guidelines for Sustainable Sand Mining issued in 2016 by the MoEF & CC, GOI, New Delhi. 19. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels. In such a way a plan of action should be submitted. 20. EMP should contain break up details such as tools, labor and environmental monitoring cost, cost for the ground water monitoring in the surrounding area shall be part of the EMP cost, variation of depth of ground water and quality shall be monitored during the project period by conducting survey once in 3 months. This cost shall also be included in EMP. i. EMP should contain break up details such as tools, labor and environmental monitoring cost, cost for the ground water**

Conclusion

Recommended

Specific Condition	
S.No	Condition
(1)	1. The details of the location to cover land use and ecologically sensitive areas. a. Details of wells in the vicinity, ground water tables and other surface water bodies in the vicinity. b. Thickness of Sand and its variation covering the entire area; similarly the width of the sand bed. c. Agricultural land if any, surrounding the quarry site. d. The composition of sand and other minerals present in the river bed. e. Details of the river bed. f. History of mining in the area shall be furnished
(2)	2. Reclamation of the sand area after mining needs to be submitted
(3)	3. Justification for usage of more poclains in individual sand mining areas to be given
(4)	4. Adequate safety measures in the quarrying area with respect to poclains to be deployed.
(5)	5. Adequate plan for traffic management for the loaded vehicles passing through nearby habitation
(6)	6. The impact of dust pollution and noise on the habitations nearby
(7)	7. The PWD has to give scientific evidence for concluding that river sand depth is 1m.
(8)	8. The PWD has to furnish the details regarding agricultural activities that are taking place around the project area
(9)	The mining area must be demarcated leaving at least 50m from the river embankment on either side. and 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
(10)	12. The route map for the Lorries for accessing the project area and for transporting mined sand should be specified
(11)	13. The details regarding traffic volume in the vicinity of project area should be furnished
(12)	Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels. In such a way a plan of action should be submitted
(13)	11. Study the Impact of sand mining on the structures located in the nearby vicinity.
(14)	To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration. A detail study shall be conducted no the impact of sand mining with the habitation and cultivation in the nearby area along the river bed and its mitigation measures.
(15)	The EIA report should be as per the Guidelines for Sustainable Sand Mining issued in 2016 by the MoEF & CC, GOI, New Delhi
(16)	EMP should contain break up details such as tools, labor and environmental monitoring cost, cost for the ground water monitoring in the surrounding area shall be part of the EMP cost, variation of depth of ground water and quality shall be monitored during the project period by conducting survey once in 3 months. This cost shall also be included in EMP
(17)	EMP should contain break up details such as tools, labor and environmental monitoring cost, cost for the ground water monitoring in the surrounding area shall be part of the EMP cost, variation of depth of ground water and quality shall be monitored during the project period by conducting survey once in 3 months. This cost shall also be included in EMP. i. EMP should contain break up details such as tools, labor and environmental monitoring cost, cost for the ground water monitoring in the surrounding area shall be part of the EMP cost, variation of depth of ground water and quality shall be monitored during the project period by conducting survey once in 3 months. This cost shall also be included in EMP

and also enclosed as **Annexure-I**

The proposal was considered by Expert Appraisal Committee in its ----- th meeting held during ----- to ----- . After detailed deliberation the committee recommended for grant of Environment Clearance subject to Specific and General conditions.

The Ministry of Environment, Forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee and hereby decided to grant Environmental Clearance for the proposed ----- (Project Name), located at ----- .

(1.) Proposal No. :- **SIA/TN/NCP/20357/2017** File No- **6496/2018**

Type- **TOR**

INTRODUCTION

This has reference to your online application vide proposal no. **SIA/TN/NCP/20357/2017** dated **14 Jun 2018** along with the copies of EIA/EMP seeking Environment Clearance under the provisions of the EIA Notification, 2006 for the above mentioned proposed project. The proposed project activity is listed at S.No **,1(a) Mining of minerals** under Category **B** of EIA Notification, 2006 and the proposal is appraised at Central level.

PROJECT DETAILS

The project of M/s **Dr.R.Selvaraj, IAS** located in as follows :

State of the project			
S. No.	State	District	Tehsil
(1.)	Tamil Nadu	Tiruchirappalli	Manapparai

Town/Village : '**Kannudaiyanpatty**', '**Periyapatty**', '**Chattirapatti**'

The salient features of the project submitted by the project proponent is available at [Report](#) under online proposal no. **SIA/TN/NCP/20357/2017**

DELIBERATION IN EAC

After detailed deliberations, the committee observed:- **The SEAC interacted with the proponent about the project proposal. The following is the summary of the discussion: 1. The proponent has furnished the type of industries likely to come up in the project. However, the number of industries (at least approximately) likely to come up in the park has not been specified. The data regarding this aspect is very vital for assessing the possible environmental impacts and finalising the necessary environmental management measures required for the industries. Only with this data, it will be possible to foresee the type of environmental issues that will be coming up like air pollution, water pollution, solid waste, hazardous waste etc. Therefore, the proponent was directed to furnish the complete concept about the composition of the industrial project along with appropriate management plan. 2. In the summary of land use pattern, the percentage land use for member industries, roads and storm water drains, common amenities and green belt add up to 124.5 % which cannot be more than 100%. This needs to be verified and revised. 3. Similarly the green belt area totally is said to be 34.5 % whereas the addition of the break up amounts to 41.69 %. This needs to be verified and**

revised. 4. A layout plan showing the various features like the industrial plots, roads, drainage, and green belt should be furnished. 5. The SEAC decided to direct the proponent to revise the proposal to include the data and information as directed above and submit the revised proposal to the SEAC for further course of action

RECOMMENDATIONS OF EAC

The committee's recommendation 1. The SIPCOT must submit land ownership document for the proposed project (436.05 Ha) along with the EIA report. 2. The SIPCOT must submit permissible land use classification certificate obtained from competent authority for the proposed project (436.05 Ha) along with the EIA report. 3. The proponent should furnish the layout plan showing the green belt area with dimensions & DGPS (Differential Global Positioning System) co-ordinates of areas allocated for green belt (33%) and shall be provided along with the EIA report. The proposal was considered in 323th SEIAA meeting held on 16.07.2018 and after detailed discussion, the Committee decided to prescribe standard ToR as per Annexure-I along with following Additional ToR. 1. The applicant shall obtain revised land use classification for the project area before entering to the sale deed 2. The SIPCOT shall provide green belt of 33% in common area and revise the plan accordingly. Further, the SIPCOT shall furnish the report for developing green belt with 5 rows of tree all along the periphery of the SIPCOT and in patches within to make up for 33% in common area. 3. Storm water management study shall be carried out engaging the services of reputed institutions. 4. Sufficient soil and moisture conservation along contours should be carried out. 5. Development of artificial/natural water source within the premises. 6. Detailed biodiversity study has to be carried out by the proponent engaging the services of reputed institutions. 7. Rain Water Harvesting System: The SIPCOT shall establish storm water collection and storage facility for 141000 cu.m in order to recover and reuse rain water during normal rains.

Conclusion

Recommended

General Condition	
S.No	Condition
Standard EC Conditions for Cement Grinding Units without Captive Power Plants	
(1)	Energy Conservation measures
1	Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
2	Executive Summary
3	A tabular chart with index for point wise compliance of above TOR.
4	Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
5	Corporate Environment Responsibility (CER): To address the Public Hearing issues, an amount as specified under Ministry's Office Memorandum vide F.No. 22-65/2017-IA.III dated 1st May 2018 amounting to Rs.crores, shall be earmarked by the project proponent, towards Corporate Environment Responsibility (CER). Distinct CER projects shall be carved out based on the local public hearing issues. Project estimate shall be prepared based on PWD schedule of rates for each distinct Item and schedule for time

	bound action plan shall be prepared. These CER projects as indicated by the project proponent shall be implemented along with the main project. Implementation of such program shall be ensured by constituting a Committee comprising of the project proponent, representatives of village Panchayat & District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office. No free distribution/donations and or free camps shall be included in the above CER budget
6	Corporate Environment Policy i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report. ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA. iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given. iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
7	Environmental Status i. Determination of atmospheric inversion level at the project site and site-specific micro- meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall. ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests. iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report. iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines. v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details. vi. Ground water monitoring at minimum at 8 locations shall be included. vii. Noise levels monitoring at 8 locations within the study area. viii. Soil Characteristic as per CPCB guidelines. ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc. x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule- I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished. xi. Socio-economic status of the study area.
8	Forest and wildlife related issues (if applicable): i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable) ii. Land use map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha) iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted. iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife
9	Impact and Environment Management Plan i. Assessment of ground level concentration of

	<p>pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modeling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modeling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any. ii. Water Quality modeling - in case of discharge in water body iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor- cum-rail transport shall be examined. iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules. v. Details of stack emission and action plan for control of emissions to meet standards. vi. Measures for fugitive emission control vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation. viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided. ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated. x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources. xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included. xii. Action plan for post-project environmental monitoring shall be submitted. xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.</p>
10	<p>Introduction i. Details of the EIA Consultant including NABET accreditation ii. Information about the project proponent iii. Importance and benefits of the project</p>
11	<p>Occupational health i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, color vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise. iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved, iv. Annual report of health status of workers with special reference to Occupational Health and Safety.</p>
12	<p>Project Description i. Cost of project and time of completion. ii. Products with capacities for the proposed project. iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any. iv. List of raw materials required and their source along with mode of transportation. v. Other chemicals and materials required with quantities and storage capacities vi. Details</p>

	<p>of Emission, effluents, hazardous waste generation and their management. vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract) viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided ix. Hazard identification and details of proposed safety systems. x. Expansion/modernization proposals: a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MoEFCC/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing Existing operation of the project from SPCB shall be attached with the EIA-EMP report. b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-200 obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.</p>
13	<p>Site Details i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered. ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places) iii. Details w.r.t. option analysis for selection of site iv. Co-ordinates (lat-long) of all four corners of the site. v. Google map-Earth downloaded of the project site. vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate. vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular. viii. Land use break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area) ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area x. Geological features and Geo-hydrological status of the study area shall be included. xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects) xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land. xiii. R&R details in respect of land in line with state Government policy</p>

and also enclosed as **Annexure-I**

The proposal was considered by Expert Appraisal Committee in its ----- th meeting held during ----- to ----- . After detailed deliberation the committee recommended for grant of Environment Clearance subject to Specific and General conditions.

The Ministry of Environment, Forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee and hereby decided to grant Environmental Clearance for the proposed ----- (Project Name), located at -----

INTRODUCTION

This has reference to your online application vide proposal no. **SIA/TN/NCP/39222/2019** dated **14 Jul 2019** along with the copies of EIA/EMP seeking Environment Clearance under the provisions of the EIA Notification, 2006 for the above mentioned proposed project. The proposed project activity is listed at S.No **,1(a) Mining of minerals** under Category **B** of EIA Notification, 2006 and the proposal is appraised at Central level.

PROJECT DETAILS

The project of M/s **TAMILNADU POLYMER INDUSTRIES PARK LIMITED** located in as follows :

State of the project			
S. No.	State	District	Tehsil
(1.)	Tamil Nadu	Tiruvallur	Ponneri

Town/Village : '**Voyalur**','**Puzhuvakkam**'

The salient features of the project submitted by the project proponent is available at [Report](#) under online proposal no. **SIA/TN/NCP/39222/2019**

DELIBERATION IN EAC

After detailed deliberations, the committee observed:- **The SEAC noted the following:**
1. The Proponent, M/s. Tamil Nadu Polymer Industries Part Ltd has applied for Terms of Reference to SEIAA-TN for the Construction of Industrial Park in S.F. No.143 & 187, of Puzhuvakkam Village and S.F No.2053B (P), Voyalur Village, Ponneri Taluk, Thiruvallur District. 2. The project/activity is covered under Category 'B' of Item 8(b) 'Township and area development Projects' of the Schedule to the EIA Notification, 2006.

RECOMMENDATIONS OF EAC

The committee's recommendation **1. The project proponent shall furnish undertaking that the individual member units will not be allowed to carry out manufacturing of products stipulated in G.O. (Ms) No. 84 dated 25/06/2018 on banning of One time use on and throwaway plastics. 2. The project proponent shall furnish proposed manufacturing processes in the project site. 3. The unit shall furnish water balance and furnish proposal for installation of STP with design adequacy along with scheme for recycling the treated sewage. 4. The project proponent must submit land ownership document for the proposed project (98.66 Ha) along with the EIA report. 5. The project proponent must submit permissible land use classification certificate obtained from competent authority for the proposed project (98.66 Ha) along with the EIA report. 6. The proponent should furnish the layout plan showing the green belt area with dimensions & GPS (Global Positioning System) co-ordinates of areas allocated for green belt (33%) and shall be provided along with the EIA report. 7. Storm water management study shall be carried out engaging the services of reputed institutions. 8.**

Sufficient soil and moisture conservation along contours should be carried out. 9. Detailed biodiversity study has to be carried out by the proponent engaging the services of reputed institutions. 10. It was noted that the proposed project site may fall under the CRZ area. Hence, the project proponent has to obtained CRZ clearance as per the CRZ notification 2019 for the said proposed project from the competent authority. 11. The proponent shall furnish the permission/ NOC of water supply from the TWAD board. 12. The proposal for CER shall be furnished as per the office memorandum of MoEF & CC dated 01.05.2018. 13. Total area approved in the Special Secretary to Government, Industries department vide Lr.No.23814/MIE.1/2010-73, dated: 12.02.2019 stated that "in principle approval is hereby accorded for the development of the plastic industries park project at the alternative site of 265.66 acres in Voyalur and Puzhuvakkam villages of Ponneri Taluk, Tiruvallur District,. TIDCO is hereby permitted to transfer these lands to TPIPL by lease, pending fixation of value of these lands." But the project proponent has applied ToR for an area of 243.78 acres. This need to be clarifies before placing subject to SEIAA.

Conclusion

Recommended	
Specific Condition	
S.No	Condition
(1)	1. The project proponent shall furnish undertaking that the individual member units will not be allowed to carry out manufacturing of products stipulated in G.O. (Ms) No. 84 dated 25/06/2018 on banning of One time use on and throwaway plastics.
(2)	2. The project proponent shall furnish proposed manufacturing processes in the project site.
(3)	3. The unit shall furnish water balance and furnish proposal for installation of STP with design adequacy along with scheme for recycling the treated sewage.
(4)	4. The project proponent must submit land ownership document for the proposed project (98.66 Ha) along with the EIA report.
(5)	6. The proponent should furnish the layout plan showing the green belt area with dimensions & GPS (Global Positioning System) co-ordinates of areas allocated for green belt (33%) and shall be provided along with the EIA report.
(6)	9. Detailed biodiversity study has to be carried out by the proponent engaging the services of reputed institutions.
(7)	10. It was noted that the proposed project site may fall under the CRZ area. Hence, the project proponent has to obtained CRZ clearance as per the CRZ notification 2019 for the said proposed project from the competent authority.
(8)	11. The proponent shall furnish the permission/ NOC of water supply from the TWAD board.
(9)	5. The project proponent must submit permissible land use classification certificate obtained from competent authority for the proposed project (98.66 Ha) along with the EIA report
(10)	7. Storm water management study shall be carried out engaging the services of reputed institutions
(11)	8. Sufficient soil and moisture conservation along contours should be carried out.
(12)	12. The proposal for CER shall be furnished as per the office memorandum of MoEF & CC dated 01.05.2018.
(13)	13. Total area approved in the Special Secretary to Government, Industries department

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