



Proceedings of the State Environment Impact Assessment Authority Kerala

Present: Prof. (Dr.) K.P. Joy, Chairman; Dr. J. Subhashini, Member; Sri. P. K. Mohanty IAS, Member Secretary

Sub: SEIAA Kerala - Believers Church Hospital project in Survey Nos. 96/1, 96/13, 102/6, 102/9, 95/4, 236/1, 236/2, 236/2/1, 236/3, 236/7, 236/8, 235/12, 235/15, 235/4, 235/13, 235/11, 235/14, 235/14, 235/13, 235/11, 237/8, 237/8, 102/7, 102/8, 102/9, 102/1, 102/1, 102/1/2, 102/14, 102/17, 94/5, 94/1, 94/2 and 94/3 at Kuttapuzha Village, Thiruvalla Municipality, Thiruvalla Taluk, Pathanamthitta District, Kerala by M/s Believers Church - Environmental Clearance under EIA Notification 2006 **Accorded** - Orders issued

Environmental Clearance

No. 142/SEIAA/KL/2743/2013

dated, Thiruvananthapuram 01.08.2014

- Read: 1. SEIAA Kerala Minutes of the 27th meeting dt. 11-03-2014
2. SEIAA Kerala Minutes of the 31st meeting dt. 26-06-2014

ORDER

Mr. Jacob Pothan, General Administrator of M/s Believers Church, vide his application received on 07-10-2013 has sought environmental clearance under the EIA Notification, 2006 for the Hospital cum Medical College project in Survey Nos. 96/1, 96/13, 102/6, 102/9, 95/4, 236/1, 236/2, 236/2/1, 236/3, 236/7, 236/8, 235/12, 235/15, 235/4, 235/13, 235/11, 235/14, 235/14, 235/13, 235/11, 237/8, 237/8, 102/7, 102/8, 102/9, 102/1, 102/1, 102/1/2, 102/14, 102/17, 94/5, 94/1, 94/2 and 94/3 at Kuttapuzha Village, Thiruvalla Municipality, Thiruvalla Taluk, Pathanamthitta District, Kerala. The land for the proposed project belongs to "Gospel for Asia", a religious public charitable trust and the same is leased to "Believer's Church", a religious public charitable trust. The proposed project is to be developed by Believer's Church in the land leased to them. Part of the land for the proposed activity is "Purayidam", part of it is reclaimed land and the remaining is "Nilam". Permission for the reclamation was obtained from the District Collector in 2003. Reclamation is permitted only in Sy. Nos. 95/4, 236/1, 236/2, 236/3, 236/7, 236/8 and 237/8 whereas Sy. Nos. 236/2/1, 237/8, 94/5, 94/1, 94/2 and 94/3 (categorized as 'nilam' in the saakshayapathram, does not come under the purview of this order). Construction is proposed only in the purayidam land and reclaimed land. The property is divided into two portions by a thodu flowing in east to west direction. In the reclamation carried out at the site, 'thodu' which was located within the said area was also reclaimed and the water flow through the 'thodu' was diverted and joined to Kuttapuzha thodu. It is proposed to construct ^{an} elevated bridge for the connection of the two portions of the property. As per the block map of block no. 8 of Kuttapuzha village and the location sketch provided by the Village Officer, a "Bhoosthithi vazhi" (pathway) is existing at Sy. No. 96 & 102. Part of the "Bhoosthithi vazhi" is falling within the project site. Structural work of hospital building is in progress after obtaining building permit in 2012. No forest land is

involved in the present project. It is interalia, noted that the project comes under the Category B, Sl. No. 1, Schedule of EIA Notification 2006.

The proposal has been appraised by the State Level Expert Appraisal Committee Kerala constituted by the competent authority, as per prescribed procedure in the lights of provisions under the EIA Notification 2006 and subsequent amendments. In its 21st meeting held on 4th November 2013, 23rd meeting held on 14th and 15th February 2014 and 30th meeting held on 6th and 7th June 2014 AND on the basis of the supporting documents enclosed with the application viz., the Form -- 1 & 1A, Conceptual Plan and the additional clarifications furnished in response to the observations, the SEAC Kerala recommended environmental clearance to the project.

It is proposed to construct 7 building blocks within the site. The hospital building is with Ground Floor + 4 Floors. The facilities proposed for the project are teaching hospital (500 beds), mortuary block, auditorium, hostel block (200 medical students) and stay for attendants to patients (50 persons), medical college building, kitchen & dining building (restaurant/food court 400 seats), Services block building, convenient shops and storm water collection pond, etc. The total plot area of the proposed project is 8.1917 ha (81,881.94 m²) and the total built-up area is of 64,481.40 m². The maximum height of building is 20.35 m. Construction debris will be used for back filling purposes. The water consumption during construction phase is for meeting the domestic requirement of the construction labourers and for construction purposes. The domestic water requirement is expected to be 27 KL per day and for construction purposes would be about 30 KL per day. The source of water for construction purposes is from treated water from STP and stored rain water. The total daily domestic water consumption for the proposed project would be 352.25 KL/day. The sources of water during operation phase for the proposed project are Rain Water (for non-flushing requirement) and treated waste water from STP (for flushing requirement for entire year). There exists a large pond spread over an area of about 3.5 acres and of capacity about 100 ML in the main campus of Believers Church which is located at about 500 m from the proposed site. The source of water for this pond is rain water and ground water. Also, it is proposed to have storm water collection pond of 15 ML within the proposed site and hence the availability of water is ensured. The northern side, west side and part of east side is paddy field and hence there is no construction.

The proposed project has provision of STP to treat sewage during construction phase and an STP of capacity of about 340 KL/day (20% extra capacity) and ETP of capacity of about 22 KL within the project premises to treat the sewage and effluent during operation phase. The domestic sewage of about 281.80 KL/day generated will be treated through proposed STP to be installed within project premises. The sludge from STP will be partially recycled for enhancing biological treatment and the excess sludge will be sent to the biogas generation facility and the biogas produced will be used within the premises and the manure produced will be used in green area during operation phase. Solid waste generation from the project during construction phase will be about 120 kg/day and domestic sewage will be about 22 KL/day. The non-biodegradable waste and other packaging material will be sold to the vendors. The biodegradable solid waste will be sent to the biogas plant and an STP for the treatment of domestic sewage from the labour colony. Solid waste of about 815 kg/day generated from the project will be collected separately as biodegradable and non-biodegradable waste as per the MSW Rules, 2000. The non-biodegradable and recyclable waste would be sold to the vendors. The biodegradable waste along with sludge from STP would be sent to the biogas generation plant (with capacity of about 600 kg/day)

to be disposed within the premises. The biogas generated (expected to be about 20 kg/day) would be conveyed to the canteen/kitchen area within the site and the manure produced will be used for green area development within the premises. As per Hazardous Waste (Management and Handling) Rules, 2008, the hazardous waste i.e., the used oil from the D.G. sets, discarded oil filters and discarded batteries etc. will be stored separately and will be outsourced to C.P.C.B./ S.P.C.B. authorized vendors only. The effluents generated will be stored in an earmarked area and will be disposed as per E waste (Management and Handling) Rules, 2012. The biomedical waste generated of about 350 kg/day would be segregated at source by providing appropriate colour coded bins/containers as per the colour coding provided in the Biomedical waste (Management and Handling) Rules. The biomedical waste from the proposed hospital cum medical college would be outsourced through a Kerala State Pollution Control Board authorized agency (M/s Indian Medical Association Goes Eco Friendly, IMAGE). Radioactive waste containers shall be stored as closed to the work area as feasible to minimize the possibility of spillage during the transfer of waste to the container. The total power requirement is 2,342 KWh which will be sourced through Kerala State Electricity Board. Parking facilities is proposed for 538 cars, 83 two wheelers and 3 ambulances. Total project cost is ₹ 176.64751 Crores. As stated by the proponent, there is no litigation pending against the project and /or land in which the project is proposed to be set up. Kuttapuzha thodu is adjacent to the project site and Manimala river is about 5 km from the site.

The SEIAA considered the proposal in its 27th meeting held on 11th March 2014 and 31st meeting held on 26th June 2014. The SEIAA, after due consideration of the relevant documents and additional clarifications submitted by the project proponent, and in view of the recommendations of SEAC, approved for issuance of Environmental Clearance for the project mentioned above at its 31st meeting held on 26th June 2014. Accordingly, the State Level Environment Impact Assessment Authority (SEIAA) Kerala constituted by Govt. of India vide Notification No. S.O. 2484(E) dt.3-11-2011 of Ministry of Environment and Forests, Govt. of India, published as Gazette extraordinary No. 2074 on 3-11-2011, hereby accord Environmental Clearance for the Believers Church Hospital project in Survey Nos. 96/1, 96/13, 102/6, 102/9, 95/4, 236/1, 236/2, 236/2/1, 236/3, 236/7, 236/8, 235/12, 235/15, 235/4, 235/13, 235/11, 235/14, 235/14, 235/13, 235/11, 237/8, 237/8, 102/7, 102/8, 102/9, 102/1, 102/1, 102/1/2, 102/14, 102/17, 94/5, 94/1, 94/2 and 94/3 at Kuttapuzha Village, Thiruvalla Municipality, Thiruvalla Taluk, Pathanamthitta District, Kerala by M/s Believers Church as per powers vested with it under the provisions of Environment Impact Assessment Notification – 2006 and its subsequent amendments, subject to strict compliance of the following specific conditions, and the general conditions contained in the Annexure, which shall also form a part of this document.

1. The stream diversion should be regularized in the revenue records and certificate produced.
2. The extent of bhoosthithi vazhi should also be regularized in revenue records.
3. A buffer distance of 5 m has to be provided on either side of the internal stream and the land may be provided with riparian vegetation.
4. Tertiary sandstones exposed should not be isolated or covered with non-permeable material.
5. Paddy fields in possession of the proponent must be used for paddy cultivation and should not be reclaimed.

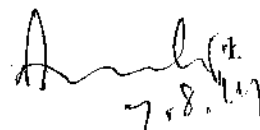
Compliance of the above conditions will be monitored by the Directorate of the Department of Environment and Climate Change, Government of Kerala or its agencies and also by the Regional Office of the Ministry of Environment and Forests, Government of India located at Bangalore.

Necessary support for entry and inspection should be provided by the project proponent to the Director, the Directorate and Ministry for monitoring purposes. In case of non-compliance of conditions, at any time, the Director, Department of Environment and Climate Change shall report the matter to the District Collector concerned to take necessary action under Environment Protection Act 1986.

The given address of correspondence of the Authorized Signatory of the project is: Mr. Jacob Pothan, General Administrator, Believers Church, St. Thomas Nagar, Kuttapuzha P.O., Tiruvalla, Pathanamthitta District, Kerala - 689105; Tel. No. 0469-2630654/2630771; Fax No. 0469-2630771; Email: jacobp@bcasia.org; shiji2m@gmail.com

Agency with NABET accreditation for EIA :- M/s Environmental Engineers & Consultants Pvt. Ltd. A1 - 198, Janak Puri, New Delhi - 110058; Tel. No. 011-25507190; Telefax No: 011-25622604; Email: eecnewdelhi@yahoo.in; eecnewdelhi@gmail.com

The validity of EC is for a period of 5 years.



P.K. Mohanty IAS
Member Secretary, SEIAA
and Addl. Chief Secretary to Government
Environment, Forest & Wildlife Departments

To

Mr. Jacob Pothan
General Administrator
Believers Church, St. Thomas Nagar
Kuttapuzha P.O., Tiruvalla
Pathanamthitta District, Kerala - 689105.

Copy to :

1. IA-Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi - 110003
2. MoEF Regional Office, Southern Zone, Kendriya Sadan, 4th Floor, E&F Wing, II Block Koramangala, Bangalore-560034
3. The Addl. Chief Secretary to Government, Environment Dept., Government of Kerala
4. The Principal Secretary to Government, Local Self Government Department
5. The District Collector, concerned *Pathanamthitta Hq. Secy, Paryavaran Dept. Govt. of Kerala.*
6. The Secretary, concerned LSGI *Tiruvalla Municipality, Tiruvalla.*
7. The Director, Dept. of Environment and Climate Change, Govt. of Kerala, Trm - 24.
8. Chairman and Members of SEIAA Kerala
9. Chairman, SEAC Kerala
10. Website uploading
11. Stock file

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STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY KERALA
GENERAL CONDITIONS (for projects other than mining)

- (i) Rain Water Harvesting capacity should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified elsewhere.
- (ii) Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.
- (iii) Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, inclusive of approach road and internal roads.
- (iv) The project shall incorporate devices for solar energy generation and utilization to the maximum possible extent with the possibility of contributing the same to the national grid in future.
- (v) Safety measures should be implemented as per the Fire and Safety Regulations.
- (vi) STP should be installed and made functional as per KSPCB guidelines including that for solid waste management.
- (vii) The conditions specified in the Companies Act, 2013 should be observed for Corporate Social Responsibility.
- (viii) The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.
- (ix) Consent from Kerala State Pollution Control Board under Water and Air Act(s) should ^{be} have been obtained before initiating activity.
- (x) All other statutory clearances should ^{be} have been obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.
- (xi) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.
- (xii) The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- (xiii) The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
- (xiv) The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language, informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.

- (xv) A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayat / Municipality/Corporation/Urban Local Body and also to the Local EC Unit. If any suggestions / representations, if any, were received while processing the proposal, the Environmental Clearance shall also be put on the website of the company by the proponent.
- (xvi) The proponent shall submit half yearly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by email) and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also to the Directorate of Environment and Climate Change, Govt. of Kerala.
- (xvii) The details of Environmental Clearance should be prominently displayed in a metallic board of size 3 ft with green background and yellow letters of Times New Roman font of size of not less than 10
- (xviii) The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.

Sd/-
Member Secretary, SEIAA Kerala

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