



ST. GREGORIOS MEDICAL MISSION HOSPITAL

(AN NABH ACCREDITED HOSPITAL)

PARUMALA, PATHANAMTHITTA, KERALA – 689 626

Ph : 0479/2312266, 2317000

happyhealing@parumalahospital.com | www.parumalahospital.com



No- 193/2020

Date:25/05/2020

Addl.Principal Chief Conservator of Forest
Ministry of Env't.Forest and Climate Change
Regional Office,Kendriya Sadan,4th Floor,E&F wings,
17th Main Road,Koramangala II Block,Banglore-560034

Sir,

Sub: Six monthly Progress Report (April,2019 to September,2019) on Environmental Clearance in respect Mls St. Gregorios International Cancer Centre, Parumala P.O., Thiruvalla, District Pathanamthitta - 689626, Kerala

Ref: 1.E mail from monitoing-ec@nic.in on 19th March 2020
2. EC order No F. No. 23-65/2018-IA-III , MoEF & CC dated 08/04/2019

With reference to the above we are here by submitting the six monthly compliance report for the period from April,2019 to September,2019 on Environmental Clearance in respect of Mls St. Gregorios International Cancer Centre, Parumala P.O., Thiruvalla Pathanamthitta, District - 689626, Kerala. Kindly accept the report that the time delay occurred due to the outbreak of lockdown of COVID-19 on March 21st, 2020.

Thanking You,

Yours Faithfully

Fr. M.C Poulouse
Chief Executive Officer

Encls: As above

copy to,

1.SPCB, CPCB, Parivesh portal

**Remediation plan & budgetary provisions and compliance during
April 2019 to September,2019**

S. No.	Particulars	Revised Budget Allocation (in Rs.)	Compliance
1.	Air Environment	<p>1. The dust suppression and water sprinkling system consists of water sprinkler nozzles (about 7 dozen @ Rs. 1,000 per nozzle i.e. Rs. 6,000), Online twin filtration system (Rs. 15,000), Booster pump (1 HP (@ Rs. 10,000)), Water distribution pipeline (LS Rs. 10,000) and water storage tank (5,000 Itr @ Rs. 25,000.). Labour cost of Rs. 10,000. The total cost on water sprinkling and dust suppression system is Rs. 76,000.</p> <p>2. Wind breakers / barricades in the periphery of project site (3 m. height GI sheet) (Rs. 1,00,000).</p> <p>3. Vehicle check up camp (@ Rs. 10,000 per camp and Rs.20,000 annual).</p> <p>4. Ambient air quality monitoring in sensitive areas (@Rs. 5,000 per month x 12 months i.e. Rs.60,000 x 2 locations=Rs. 1,20,000).</p> <p><u>Total cost on remediation measures on Air Environment isRs. 3.16.000/-</u></p>	<p>1. In consultation with the secretary, Kadapra Grama Panchayath, installed dust suppression and water sprinkling system consists of water sprinkler nozzles with total cost Rs. 76,000.</p> <p>2. In consultation with the secretary, Kadapra Grama Panchayath, installed Windbreakers / barricades in the periphery of project site (3 m. height GI sheet) (Rs. 1,00,000).</p> <p>3. Noted and will be complied</p> <p>4. Monthly Ambient air quality monitoring were carried out from two sensitive areas of Kadapra Grama panchayath (Taluk hospital compound and Govt.HSS compound)by Standard Environmental and analytical Laboratories, Ernakulam</p>
2.	Ecological Environment	<p>1. Plantation with native species of flowering and fruit bearing trees to compensate the removal of trees. 560 trees within the surrounding area are proposed for plantation at a cost of @ Rs. 1,100 per plant which includes maintenance for three years.</p>	<p>1. Contacted District Assistant Forest conservator, Social forestry division, Pathanamthitta, As per direction plantation of trees will be carried out from June,2020</p>

		<p>The total cost estimate for tree plantation is 560 trees x Rs. 1100 = Rs.6,16,000.</p> <p>2. Cost of development of butterfly garden is Rs. 1,64,000 (L.S. estimate). Cost of development of medicinal garden is Rs. 1,60,000 (L.S.estimate).</p> <p>3. Rs. 50,000/- for development of panchayat park / avenue plantation towards habitat compensation.</p> <p><u>Total cost on remediation measures on Ecological Environment is Rs.9,90,000/-</u></p>	<p>2 Noted and will be complied</p> <p>3. Noted and will be complied</p>
3.	Water Environment	<p>Rs. 50,000/- for restoration of abandoned wells (Rs.10,000 x 5 wells) + Rs. 50,000/- for water sampling and monitoring (Rs. 5,000 x 10 samples).</p> <p>Total =Rs. 1,00,000/-</p> <p>I. Rs. 2,00,000/- for rehabilitation of villagepond.</p> <p>II. Rs. 60,000/- towards set up of 2 units of portable toilet at site (1 for male and 1 for female).</p> <p>III. Rs. 5,50,000 on setting up of an STP of 5 KLD capacity.</p> <p>IV. Channelization of storm water (Rs.4,00,000).</p> <p>V. Frequent cleaning of the vicinity of site before monsoon(Rs. 50,000).</p> <p><u>Total cost on remediation measures on Water Environment is Rs.13,60,000/-</u></p>	<p>Completed maintenance and improvement of wells in Valethu Colony of Kadapra grama panchayath, Parumala,</p> <p>Water samples were collected and analyzed by Standard Environmental and analytical Laboratories, Ernakulam and the reports are annexed as Annexure-5</p> <p>I. As per the direction of panchayath authorities, pond rehabilitation will be carried out as early as possible</p> <p>II. Noted and will be complied</p> <p>III. Noted and will be complied</p> <p>IV. Noted and will be complied</p> <p>V. Noted and will be complied</p>

4.	Land Environment	<p>1. Rs. 50,000/- for creating barriers to avoid erosion and to maintain its integrity so as to use it further for landscaping.</p> <p>2. Rs. 10,000 (LS) for printing & distribution of leaflets.</p> <p>3. Rs. 60,000/- for 20 bins (@Rs. 3,000 per bin).</p> <p>4. Secured intermediate leachate proof facility for storage (LS. Rs. 1,00,000).</p> <p><u>Total cost on remediation measures on Land Environment is Rs. 2,20,000/-</u></p>	<p>1. In consultation with the panchayath authorities the location for creation of barriers to avoid erosion work is in progress</p> <p>2. Noted and will be complied</p> <p>3. Noted and will be complied</p> <p>4. Noted and will be complied</p>
5.	Noise Environment	<p>Providing Personnel protective equipment's (PPE) to the Health Department of the panchayat Rs. 50,000/- (LS.)</p> <p><u>Total cost on remediation measures on Noise Environment is Rs.50,000/-</u></p>	As per the direction of Health department the Personnel protective equipment's will be provided as early as possible
6.	Socio - Economic Environment	<p>1. Providing first aid kits (5 nos.) to the construction sites (public works within the panchayat) [Rs. 10,000/- (@Rs. 2,000 permit)].</p> <p>2. Providing a wheel chair (2 nos.) + to the primary health centre within the panchayat and in consultation. [Rs. 24,000 (@ Rs. 12,000 per wheelchair)]</p>	1. Discussed the matter with Panchayath Authorities and will be complied

6 Natural Resource **Augmentation plan & budgetary provisions**

S. No.	Activity	Revised Budget Allocation (in Rs.)	Compliance
		1 st Year	
1.	Development of greenery in the surrounding area and road side plantation	25,000	Discussed the matter with Panchayath Authorities and will be complied
2.	Provision of drinking water facilities through construction of hand pumps / dug wells / tube wells. 5 hand pups / wells per year in the nearby villages with maintenance	50,000	Identified the drought prone area and the work is in progress

3.	Maintenance of village road, near the panchayat office or any other badly damaged road and consultation with panchayat (7 m. carriage way (1 km. length)	2,50,000	As per the direction of Panchayath authorities the reconcreting work of Kottakkamalai road, ward No-9, Kadapra Grama panchayath will be carried out
4.	Construction of pipeline network in the village in association with grama panchayat and water resource department (Kerala Water Supply Authority)	1,00,000	contacted office of Kerala Water Supply Authority and the work will be done as early as possible
5.	Provision of solar system in common areas through local administration	25,000	As per the direction of Panchayath authorities, the solar system will be provided to Public Health centre, Kadapra Grama panchayth as early as possible
6.	Rainwater harvesting and ground water recharge development	30,000	Noted and will be complied
7.	Construction of storm WITH' drainages in the nearby areas	20,000	Noted and will be complied

➤ **Community Resource Augmentation plan & budgetary provisions**

Sl. No	Activity	Revised Budget Allocation (in Rs.)	
		1 St year	Compliance
1.	Creation of irrigation facilities to the farmers supporting for irrigation	25000/-	Noted and will be complied
2.	Construction of sanitation facilities (toilet) in schools and villages(5 toilets each year)	25,000/-	Noted and will be complied
3.	Periodic medical check-up camp by appointing specialist doctor for eyes, skin, heart and dental twice in a year	50,000/-	Periodic medical check up camps are conducted by appointing specialist doctor for eyes, skin, heart and dental
4.	Free of cost distribution of medicine body check up tests in the area	25,000/-	Noted and will be complied
5.	Training to the farmers related to healthcare	10,000/-	Training programmes will be conducted to the framers in cooperation with Asha workers
6.	Assistance in development of technical skills and training to the children of farmers and fishermen	30,000/-	Noted and will be complied
7.	Assistance in providing study materials, uniform, books to the poor students located nearby area	30,000/-	Noted and will be complied

8.	Scholarship to the clever students for higher education	50,000/-	Noted and will be complied
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- i. Total budgetary provision with respect to Remediation plan and Natural & Community resource Augmentation plan is rupees 62,45,000/-. Therefore, project proponent shall be required to submit a bank guarantee of an amount of Rupees 62,45,000/- towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.-

Submitted a bank guarantee of an amount of Rupees 62,45,000/- as per Remediation plan and Natural and Community Resource Augmentation plan to SPCB

- ii. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.

For the successful implementation of the project Separate staff is appointed for the implementation of the project and all the work should be carried out as per the direction of local Govt authorities

- iii. The PP shall submit the proof of credible action taken by the concerned state government/ state pollution control board under the provisions of the section 19 of the Environment Protection Act 1986 to the MoEF&CC- Noted and will be complied.
- iv. Fund allocation for Corporate Environment Responsibility (CER) of Rs. 1.922 crores (2% of project cost).
- v. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.- Noted and will be complied.
- vi. The PP shall construct rain water storage tank of capacity 2,200 KL (equivalent to 11 days of daily fresh water requirement).- constructed rain water storage tank of capacity 2,200 KL - Noted and complied.

2. General conditions

1.	The project authorities shall adhere to the stipulations made by the State Pollution Control Board, Central Pollution Control Board, State Government and any other statutory authority	Noted and complied
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Not conducted any further expansion or modifications

3.	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Noted and complied
4	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed.	Noted and complied
5	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Monitored the noise level and are within the limits of the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
6	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve freshwater.	Installed rainwater harvesting tank of 40,000 litre capacity and also constructed storage tanks for storm water and after water treatment the water is used for gardening and other domestic purposes
7	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Noted and complied
8	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented	Noted and complied
9	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration.	Noted and complied

10	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Noted and complied
11.	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Constituted a separate Environmental Management Cell
12	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	Noted and complied
13.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Noted and complied
14	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Noted and complied
15	The environmental statement for each financial year ending 31s March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Noted and complied

16	<p>The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.</p>	Noted and complied
17	<p>The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.</p>	Noted and complied