



ST. GREGORIOS MEDICAL MISSION HOSPITAL

(AN NABH ACCREDITED HOSPITAL)

PARUMALA, PATHANAMTHITTA, KERALA – 689 626

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No-058/21

Dated 16.04.2021

Environmental Engineer
Central Pollution Control Board
NisargaBhavan, Thimmaiah Road,
7th D Main Road, Shivanagar,
Bengaluru, 560079

Dear Sir,

Sub: Six monthly Progress Report (April 2020 to September, 2020) on Environmental Clearance in respect of M/s St. Gregorios International Cancer Centre, Parumala P.O., Thiruvalla, Pathanamthitta District - 689626, Kerala

Ref: EC order No F. No. 23-65/2018-IA-III Government of India, MoEF & CC dt 8/04/2019

With reference to the above we are here by submitting the six monthly compliance report for the period from April 2020 to September, 2020 on Environmental Clearance in respect of M/s St. Gregorios International Cancer Centre, Parumala P.O., Thiruvalla Pathanamthitta, District - 689626, Kerala.

Thanking You,

Yours Faithfully

Fr. M.C Poullose
Chief Executive Officer

Encls: As above



**Remediation plan & budgetary provisions and compliance during
October 2019 to March-2020**

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 (3m. 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 is Rs. 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. The completion certificate is attached as Annexure-1</p> <p>2. In consultation with the secretary, Kadapra Grama Panchayath, installed Windbreakers / barricades in the periphery of project site (3m. height GI sheet) (Rs. 1,00,000). The completion certificate is attached as Annexure-2</p> <p>3. In association with Motor Vehicle Department, Thiruvalla, carried out Vehicle checkup camp on 4th March, 2020. The news is Published in March 6th edition of Malayala manorama and is attached as Annexure 3</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 and the reports are annexed as Annexure-4</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>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). Noted and will be complied</p> <p>3. Rs. 50,000/- for development of panchayat park / avenue plantation towards habitat compensation.</p> <p>Total cost on remediation measures on Ecological Environment is Rs.9,90,000/-</p>	<p>1.As per the direction of District forest department,planted 500 trees in ten locations of Kadapra panchayath,list of locations for plantations are annexed in Annexure number</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 10samples). (Rs.10,000 x 5 wells) + Rs. 50,000/- for water sampling and monitoring (Rs. 5,000 x 10samples).</p> <p>Total =Rs. 1,00,000/-</p> <p>I. Rs. 2,00,000/- for rehabilitation of village pond.</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>Completed maintenance and improvement of wells in Valethu Colony of Kadapra grama panchayath, Parumala, The completion certificate is attached as Annexure-5</p> <p>Water samples were collected and analyzed by Standard Environmental and analytical Laboratories, Ernakulam and the reports are annexed as Annexure-6</p> <p>1. As per the direction of panchayath authorities, pond rehabilitation will be carried out as early as possible</p> <p>II. Installed two units of portable toilet at site (1 for male and 1 for female) for Kannassa Smarakap Govt. Higher Secondary School, Kadapara during the month of November 2009. The completion certificate is attached as Annexure-7</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>Total cost on remediation measures on Water Environment is Rs.13,60,000/-</p>	<p>III. Noted and will be complied</p> <p>IV. Discussed the matter with the panchayath Authorities and decided to carried out the work in Arikkapuram padam were storm water is directly discharged and also decided to start the work as early as possible</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>Total cost on remediation measures on Land Environment is Rs. 2,20,000/-</p>	<p>1. In consultation with the panchayath authorities, located the place for creation of barriers to avoid erosion and the work is in progress</p> <p>2. Noted and will be complied</p> <p>3. Ten bins are purchased and utilized for the purpose of Covid campaign works</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>Total cost on remediation measures on Noise Environment is Rs.50,000/-</p>	<p>As per the direction of Health department the Personnel protective equipment's were provided to primary health centre.details are Annexed in annexure No-13</p>
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</p>	<p>Discussed the matter with Panchayath Authorities and will be complied</p>

		panchayat and in consultation. [Rs. 24,000 (@ Rs. 12,000 per wheelchair)]	
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6. Natural Resource **Augmentation plan & budgetary provisions**

S. No.	Activity	Revised Budget Allocation (in Rs.)	
		1 st year	Compliance
1.	Development of greenery in the surrounding area and road side plantation	25,000/-	Noted 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 well in Valeth colony and make provision for drinking water facility. The completion certificate is attached as Annexre-8
3.	Maintenance of village road, near the panchayath office or any other badly damaged road in consultation with panchayath (7 m. carriage way (1 km. length)	2,50,000/-	Completed the reconcreting work of Kottakkamalai road, ward No-9, Kadapra Grama panchayath . The completion certificate is attached as Annexre-9
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, installed the solar system to Public Health centre, Kadapra Grama panchayth . The completion certificate is attached as Annexre-10
6.	Rainwater harvesting and ground water recharge development	30,000/-	Noted and will be complied
7.	Construction of storm water' 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 checkup camps are conducted by appointing specialist doctor for eyes, skin, heart and dental. The photos of medical checkup camps is attached as Annexure 11
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 programs will be conducted to the farmers 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

Year wise implementation of Remediation plan with budgetary provisions

Sl. No.	Activity	1 st Year and second year (2018-20)	Amount spent	% utilized
1.	Remediation measures on AirEnvironment	2,10,000.00	2,16,000.00	102.8
2.	Remediation measures on WaterEnvironment	9,00,000.00	1,15,000/-	25.55
3.	Remediation measures on LandEnvironment	1,40,000.00	30,000.00/-	5
4.	Remediation measures on NoiseEnvironment	30,000.00	50,000/-	100

5.	Remediation measures on SocioEnvironment	22,000	22000/-	100
6.	Remediation measures on Ecology Environment	6,60,000	5,50,000/-	0
	Grand Total	19,62,000.00	9,83,000.00/-	

6 Natural Resource Augmentation plan & budgetary provisions

S. No.	Activity	1 st Year and second year (2018-20)		
			Amount spent	% utilised
1.	Development of greenery in the surrounding area and road side plantation	75,000	0	0
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	1,25,000.00	50,000/-	40
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)	6,00,000.00	2,60,000/-	43
4.	Construction of pipeline network in the village in association with grama panchayat and water resource department (Kerala Water Supply Authority)	2,50,000	0	0
5.	Provision of solar system in common areas through local administration	75,000	50,000/-	75
6.	Rainwater harvesting and ground recharge development	60,000	60,000/-	100
7.	Construction of storm water drainages in nearby areas	50,000	50,000/-	100
	Total	12,30,000.00/-	4,70,000/-	38

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

Sl. No	Activity	Total budgetary provision (Rs.)		
		1 st Year and second year (2018-20)	Amount spent	% utilised
1.	Creation of irrigation facilities to the farmers supporting for irrigation	75,000.	0	0
2.	Construction of sanitation toilets each year)	75,000	0	0
3.	Periodic medical check-up camp by appointing specialist doctor for eyes, skin, heart and dental twice in a year	1,00,000	1,00,000	100
4.	Free of cost distribution of medicine body check up tests in the area	75,000	75,000/-	100
5.	Training to the farmers related to healthcare	30,000	0	0
6.	Assistance in development of technical skills and training to the children of farmers and fishermen	60,000	0	0
7.	Assistance in providing study materials, uniform, books to the poor students located nearby area	60,000	0	0
8.	Scholarship to the clever students for higher education	1,00,000	0	0
	Total	5,75,000	1,75,000/-	30

- 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.-

- a. 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.
 - a. For the successful implementation of the project Separate staff is appointed 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 complied.
- iv. Fund allocation for Corporate Environment Responsibility (CER) of Rs. 1.922 crores (2% of project cost). Noted and complied
- 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 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- constructed drain water storage tank of capacity 2,200 KL (equivalent to 11 days of daily fresh water requirement)

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	Two locations are selected as per the direction, in two sensitive areas of Kadapara

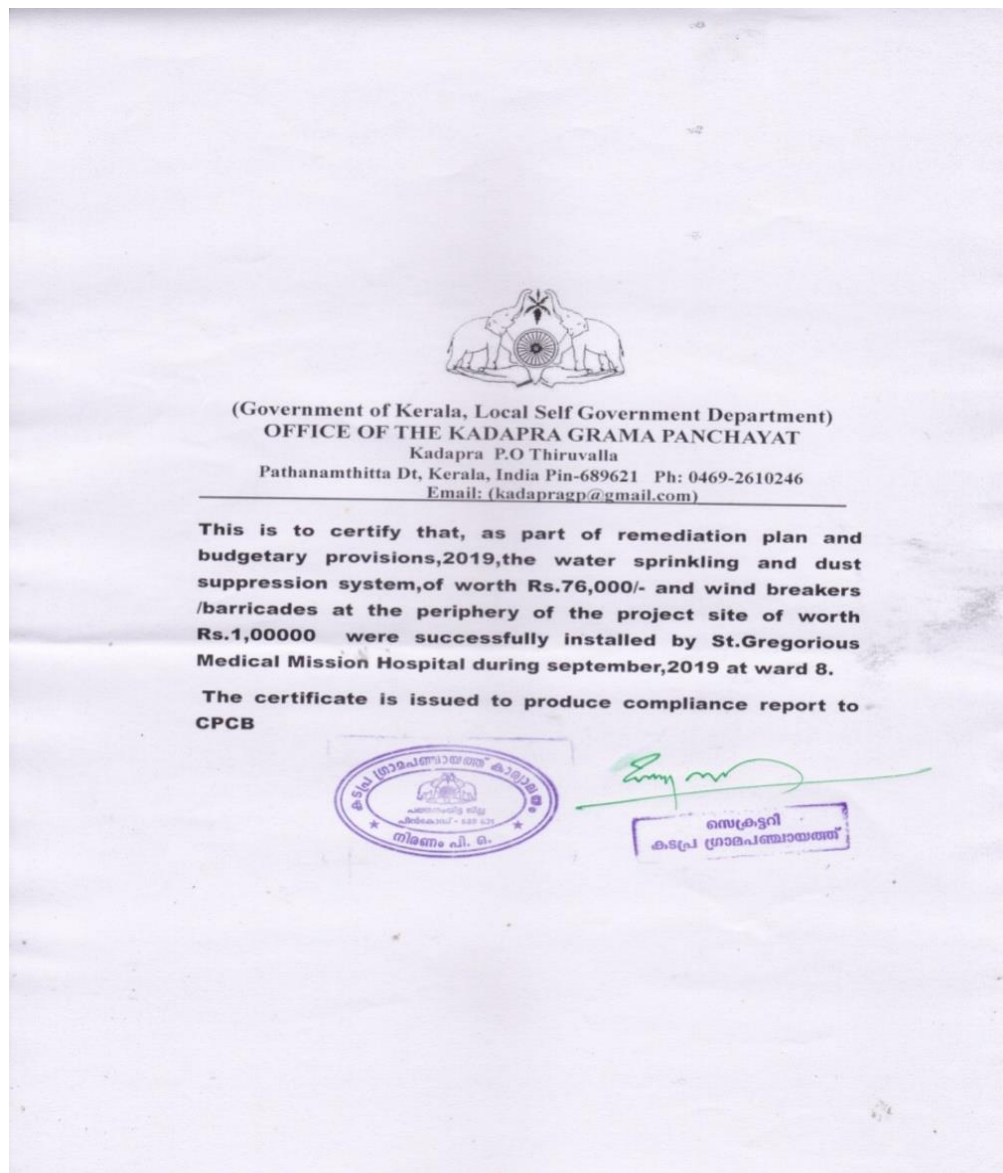
	well as where maximum ground level concentrations are anticipated.	grama panchayath and air quality monitoring were carried out by Std Laboratories,Ernakulam ,details are annexed in annexure no-4
4	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed.	Following the Standards of Natioanal Ambient Air quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009
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.	constructed rain water storage tank of capacity 2,200 KL- and also constructed drain water storage tank of capacity 2,200 KL (equivalent to 11 days of daily fresh water requirement
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	Noted and complied

	environmental management, and risk mitigation measures relating to the project shall be implemented	
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.	ESC activities are carried out as per the direction of local village and administration
10	The company shall undertake eco- developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Activities are in progress for the improvement of eco- developmental measures including community welfare measures in the project area for the overall improvement of the environment
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 and appointed a staff for implementation of the project
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 Panchayath, 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 reports shall be posted on the website of the company.	First compliance report and second compliance reports for the months from April 2019 to September, and October 2019-March,2020 were uploaded in CPCB,,SPCB, Parivesh portal and also in website of the company.
15	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board	Noted and complied, details are annexed in Annexure No-

	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.	14
16	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.	Advertised news in daily news papers like Malayala manorama, Mathrubhumi, and in Hindu regarding 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 . details are annexed in Annexure No-15
17	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.	Noted and complied

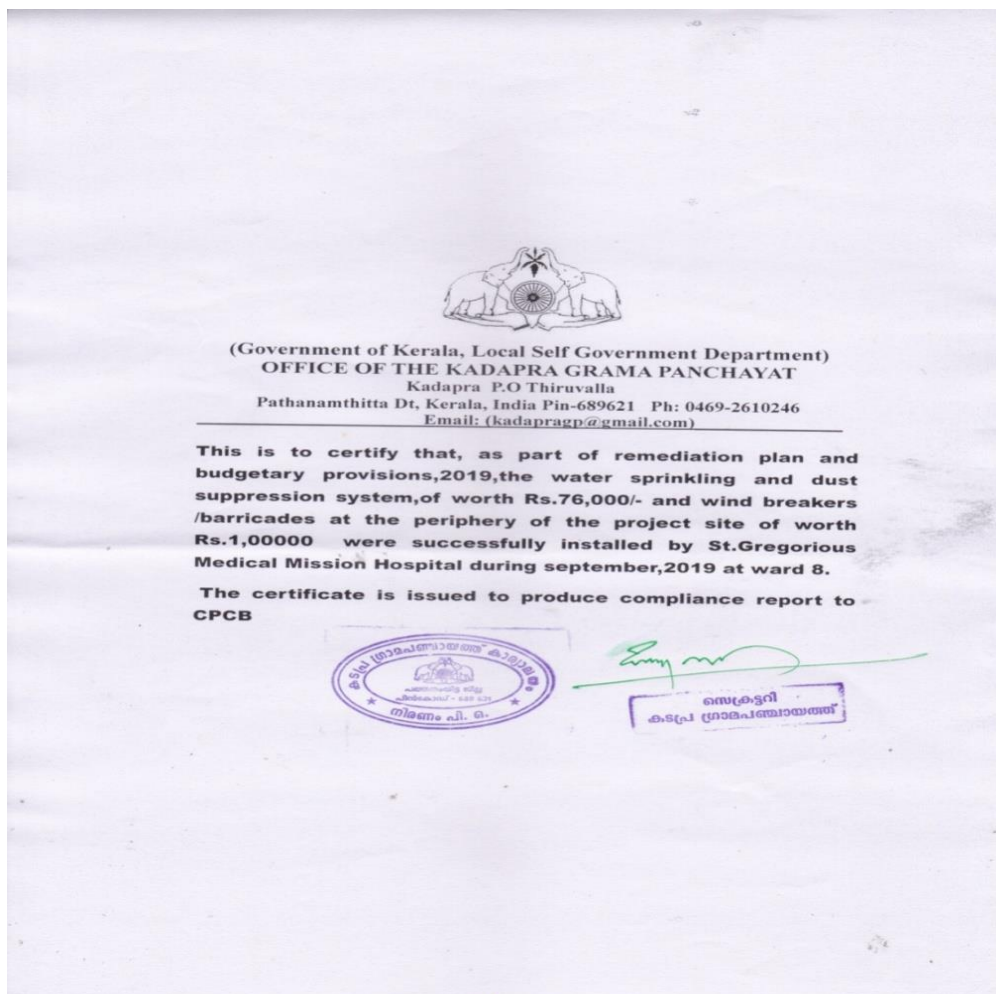
Annexure No -1

Completion certificate for dust suppression system issued by Secretary, Kadapra Grama panchayath



Annexure No -2

Completion certificate for water sprinkling system issued by Secretary,Kadapra Grama panchayath



Annexure No -3

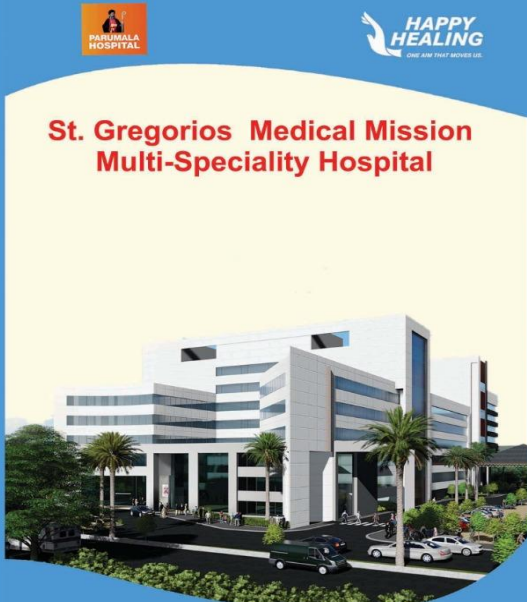
Photos and March 6th, 2020 edition Malayala Manorama Newspaper cutting regarding Vehicle check up camp



Brochure prepared for awareness of Environmental protection

6. വാഹനങ്ങളിൽ നിന്നുള്ള CO വാതകത്തിന്റെ ബഹിർഗമനം ഒഴിവാക്കുക. ഇതിനായി ലെഡ് ഇല്ലാത്ത പെട്രോൾ ഉപയോഗിക്കുക.
7. ഓരോവീട്ടിലും ഓരോ അംഗങ്ങൾക്കും വാഹനം എന്നരീതി ഉപേക്ഷിക്കുക. കുടുംബസേമതം യാത്രകൾ ശീലമാക്കുക. വഴി ട്രാഫിക് പ്രശ്നങ്ങളും അതുവഴിയുണ്ടാകുന്ന അപകടങ്ങളും ഒഴിവാക്കുക.
8. സ്വന്തം കൃഷിരീതി, അടുക്കളത്തോട്ടം വഴി വിഷ രഹിതപച്ചക്കറി ഉല്പാദിപ്പിക്കുകയും മാർക രോഗങ്ങളെ പ്രതിരോധിക്കുകയും ചെയ്യുക.
9. മഴവെള്ള സംഭരണി ഓരോ വീട്ടിലും യാഥാർത്ഥ്യമാക്കുക. വീട്ടുപറമ്പിൽ ലഭിക്കുന്ന മഴവെള്ളം ഒലിച്ചുപോകാനനുവദിക്കാതെ പുരയിടങ്ങളിൽ കെട്ടി നിർത്തി ഭൂഗർഭ ജലസ്രോതസ്സ് ഉയർത്തുവാൻ സാഹചര്യമൊരുക്കുക.
10. മണ്ണിന്റെനൈസർഗ്ഗിക ഗുണനിലവാരം ഉയർത്തുവാൻ ജൈവവളം മണ്ണിനു കമ്പോസ്റ്റ് മുതലായവയുടെ ഉപയോഗം കൂട്ടുക. കീടനാശിനികളുടെ ഉപയോഗം കുറയ്ക്കുക.
11. ഊർജ്ജ സ്രോതസ്സിനായി സൗരോർജ്ജം, കാറ്റ് മുതലായവപരമാവധി ഉപയോഗിക്കുക.
12. മൺപാത്രങ്ങളുടെ ഉപയോഗം ശീലമാക്കുക.
13. വാഹനങ്ങൾക്ക് കൃത്യമായ അറ്റകുറ്റപ്പണികൾ നടത്തുക. വാഹന നിർമ്മാതാക്കൾ നിർദ്ദേശിച്ച പ്രകാരം കൃത്യമായി വാഹനസർവ്വീസ് നടത്തുക.

Anesthesiology • Ayurvedic Medicine • Child & Adolescent Psychiatry
Clinical & Rehabilitation Psychology • Clinical Pharmacology
Critical Care • Dentistry, Dermatology • Emergency Medicine • ENT
Endocrinology • Gastroenterology • General & Laparoscopic Surgery
General Medicine • Radiology • Urology • Nephrology • Neurology
Neurosurgery • Nuclear Medicine • Nutrition & Dietetics • Obstetrics &
Gynaecology • Oncology (Medical, Surgical, Radiation) • Ophthalmology
Orthopedics • Pediatrics • Pathology • Physiotherapy • Plastic Surgery
Psychiatry • De-Addiction & Rehabilitation Pulmonology.



**St. Gregorios Medical Mission
Multi-Speciality Hospital**

അന്തരീക്ഷത്തിലെ പുകയും വിഷവാതകങ്ങളും മറ്റു രാസപദാർത്ഥങ്ങളും കലരുന്നതുമൂലം ഉണ്ടാകുന്ന മലിനീകരണമാണ് അന്തരീക്ഷ മലിനീകരണം. മനുഷ്യനോ ആവാസവ്യവസ്ഥയ്ക്ക് തന്നെയോ ഹാനികരമായി ബാധിക്കുന്ന വായുവിലെ പദാർത്ഥങ്ങളാണ് അന്തരീക്ഷമലിനീകാരികൾ. ഇവ പലപ്പോഴും നൈസർഗ്ഗികമോ മനുഷ്യ നിർമ്മിതമോ ആയ ഖര പദാർത്ഥങ്ങളോ ദ്രാവക തുളളികളോ വാതകങ്ങളോ ആണ്. മലിനീകാരികളെ പ്രധാനമായും പ്രാഥമിക മലിനീകാരികൾ, ദ്വിതീയ മലിനീകാരികൾ എന്നും രണ്ടായി തിരിച്ചിരിക്കുന്നു. മാലിന്യങ്ങൾ കത്തിക്കുന്ന ചാരങ്ങളായും , വാഹനങ്ങളിൽ നിന്നുള്ള കാർബൺ മോണോക്സൈഡ് വാതകമായും ഫാക്ടറികളിൽ നിന്നും സൾഫർ ഡയോക്സൈഡ് സംയുക്തമായും പ്രാഥമിക മലിനീകാരികൾ അന്തരീക്ഷത്തിൽ എത്തിച്ചേരുന്നു. ഇവ അന്തരീക്ഷത്തിലുള്ള മറ്റ് രാസവസ്തുക്കളുമായി സൂര്യ പ്രകാശത്തിന്റെ സാന്നിധ്യത്തിൽ സംയോജിച്ചാണ് ദ്വിതീയ മലിനീകാരികൾ ഉണ്ടാകുന്നത്. ഇന്ത്യയിലെ മൊത്തം മലിനീകരണത്തിന്റെ 85 % വും വാഹനങ്ങൾ മുഖമുണ്ടാകുന്നതാണ്. ഇതിൽ പകുതിയിലധികം ഇരുചക്രവാഹനങ്ങൾ മുഖമാണ്. ഇന്ത്യയിൽ ഓരോ വർഷവും വായു മലിനീകരണം മൂലം നാൽപ്പതിനായിരത്തോളം പേരാണ് മരിക്കുന്നത്. ഹരിതവാതകങ്ങളായ CO² മീഥേൻ, നൈട്രസ് ഓക്സൈഡ്, ഫ്ലൂറോ ഫ്ലൂറോ കാർബണുകൾ എന്നിവയുടെ അമിതമായ ഉൽപ്പാദനം മൂലം ഓസോൺ പാളികളിൽ വിള്ളലുണ്ടാവുകയും സൂര്യനിൽ നിന്നും ഉത്സർജിക്കപ്പെടുന്ന അപകടകാരിയായ ആൾട്രാവയലറ്റ് രശ്മികൾ വർദ്ധിച്ച തോതിൽ ഭൗമോപരിതലത്തിൽ പതിക്കുകയും ഇത് അർബുദം, തിമിരം, രോഗപ്രതിരോധ ശക്തിശേഷനംസസ്യങ്ങളുടെ ഉല്പാദനക്ഷമതയിൽ ശോഷണംസൂക്ഷ്മസസ്യങ്ങളുടെ നാശം ഇവയിലുണ്ടാകുന്നതു കൂടാതെ അന്തരീക്ഷതാപനിലയിലുള്ള ഉയർച്ച ധ്രുവപരിമേഖലകളും ഹിമാനികളും തരൂകി സമുദ്ര ജലനിരപ്പ് ഉയരുകയും പല ദ്വീപുകളും സമുദ്ര തീരപ്രദേശങ്ങളും ഇതോടെ കടലിനടിയിലാകുകയും ചെയ്യും.

ഇപ്രകാരം തുടരുകയാണെങ്കിൽ 2040 ഓടെ ആഗോളതാപനിലയിൽ 20 മുതൽ 50 ശതമാനം വരെ വർദ്ധനവുണ്ടാകും

പ്രകൃതി ദുരന്തങ്ങൾ മാറി മാറി വരുന്ന ഈ കാലയളവിൽ, മനുഷ്യൻ തന്റെ ഭാവി തലമുറയുടെ സാമ്പത്തിക ഭദ്രയ്ക്കായി നെട്ടോട്ടമോടുന്ന എത്രത്തോളം പ്രാർത്ഥിക്കുകയും എന്ന് ചിന്തിക്കേണ്ട കാലം അത്രക്രമിച്ചിരിക്കുന്നു. വെള്ളപ്പൊക്കവും, കൊടുവരൾച്ചയും ശൈത്യവും താങ്ങാനാവാതെ മുരടിച്ചുപോകുന്ന നമ്മുടെ തലമുറയെ സംരക്ഷിക്കുവാനും, ജൈവ സമ്പത്ത് സംരക്ഷിക്കുവാനും നമുക്ക് അണിപേരാം, കൈകോർക്കാം, പ്രവർത്തിക്കാം

ചില മാർഗ്ഗനിർദ്ദേശങ്ങൾ

1. മരങ്ങൾ വെച്ചുപിടിപ്പിക്കുക, സംരക്ഷിക്കുക വഴി ഹരിത ഗ്രഹ വാതകമായ കാർബൺഡൈ ഓക്സൈഡിന്റെ അളവ് ഗണ്യമായി കുറയ്ക്കുവാനും, അന്തരീക്ഷ താപനില കുറയ്ക്കുവാനും മണ്ണൊലിപ്പ് തടയുവാനും സാധിക്കുന്നു.
2. വീടുകളിലെ ജൈവ അജൈവ മാലിന്യങ്ങൾ വേർതിരിക്കുക മാലിന്യങ്ങൾ പൊതു നിരത്തുകളിലും നദികളിലും കൂളങ്ങളിലും വലിച്ചെറിയാതിരിക്കുക.
3. ചപ്പുചവറുകൾ കരിയില, മറ്റുജൈവ മാലിന്യങ്ങൾ എന്നിവ കത്തിക്കാതിരിക്കുക. അതിന്റെ സ്വാഭാവികമായ അഴുക്ക് മൂലം വളമായിമാറുവാൻ അനുവദിക്കുക. അങ്ങനെ മണ്ണിന്റെ സ്വാഭാവിക വളക്കൂറ് വീരട്ടുക.
4. പ്ലാസ്റ്റിക്സിന്റെ ഉപയോഗം കുറയ്ക്കുക. ഉപയോഗിക്കുന്ന പ്ലാസ്റ്റിക് വലിച്ചെറിയാതെ പുനരുപയോഗത്തിന് വിധേയമാക്കുക.
5. പ്ലാസ്റ്റിക്സുകൾ കത്തിക്കുന്നതുമുഖമുറയ്ക്കുന്ന വിഷവാതകങ്ങളായ NO₂, SO₂, ഡൈഓക്സൈനുകളുടെ ബഹിർഗമനം ഒഴിവാക്കുക.

Annexure No -4

Some Photos and analysis Reports of Ambient Air Quality monitoring in two sensitive areas by Standard Environmental and analytical Laboratories, Ernakulum



Standard^S Environmental Monitoring

TEST REPORT

Test Report No: TC540219000003849F Date: 22.11.2019 Page 1 of 1

CUSTOMER DETAILS

Customer Name & Address: M/s ST: Gregorious Medical Mission Hospital, Parumala P.O., PIN-689626, Pathanamthitta District.

Customer Reference: Test Request form dated 08.11.2019

SAMPLE DETAILS

Source of Sample	Ambient Air	Sample Code	19000003849
Location of Monitoring	At Taluk Hospital, Parumala, Thiruvalla.	Sampled By	Laboratory
Date of Monitoring	08.11.2019	Test Started On	09.11.2019
Sample Received On	09.11.2019	Test Completed On	12.11.2019
Humidity	71 %	Sampling Procedure	SEAAL/ENL/GEN/SOP/02

SL NO	TEST PARAMETER	TEST METHOD	UNIT	RESULTS	NAAQ STANDARD
01	Particulate matter (PM ₁₀)	IS 5182 Part 23: 2006 RA 2017	µg/m ³	64.8	100
02	Particulate matter (PM _{2.5})	EPA 40 CFR Part 50 Appendix - L	µg/m ³	29.6	60.0
03	Sulphur dioxide (SO ₂)	IS 5182 Part 2: 2001 RA 2017	µg/m ³	< 2.00	80.0
04	Nitrogen dioxide (NO ₂)	IS 5182 Part 6: 2006 RA 2017	µg/m ³	7.50	80.0

End of Report

For and on behalf of Standard^S Environmental & Analytical Laboratories

Authorized Signatory: *Laiju P. N.*
Laboratory Head

The results are related only to the samples submitted for analysis and this test report shall not be reproduced except in full, without the written approval of the laboratory

Standard^S Environmental & Analytical Laboratories
Accreditation and Approval: NABL as per ISO 17025: 2017 & "A" Grade Laboratory of KSPCB
K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43
Web: www.sealabs.in, E-mail: seaalab@gmail.com, info@sealabs.in

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TEST REPORT

Test Report No: TC540219000005762F	Date: 06.03.2020	Page 1 of 1
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CUSTOMER DETAILS			
Customer Name & Address		M/s St. Gregorious Medical Mission Hospital Parumala, Pathanamthitta District.	
Customer Reference		Test Request form dated 01.03.2020	
SAMPLE DETAILS			
Source of Sample	Ambient Air	Sample Code	19000005762
Location of Monitoring	At Taluk Hospital, Parumala, Thiruvalla.	Sampled By	Laboratory
Date of Monitoring	01.03.2020	Test Started On	02.03.2020
Sample Received On	02.03.2020	Test Completed On	06.03.2020
Humidity	66 %	Sampling Procedure	SEAAL/ENL/GEN/SOP/02

SL NO	TEST PARAMETER	TEST METHOD	UNIT	RESULTS	NAAQ STANDARD
01	Particulate matter (PM ₁₀)	IS 5182 Part 23: 2006 RA 2017	µg/m ³	67.9	100
02	Particulate matter (PM _{2.5})	EPA 40 CFR Part 50 Appendix - L	µg/m ³	25.3	60.0
03	Sulphur dioxide (SO ₂)	IS 5182 Part 2: 2001 RA 2017	µg/m ³	< 2.00	80.0
04	Nitrogen dioxide (NO ₂)	IS 5182 Part 6: 2006 RA 2017	µg/m ³	5.40	80.0

End of Report

For and on behalf of
Standard^S Environmental & Analytical Laboratories



Rija
Authorized Signatory
Rija Joseph
Technical Manager

TEST REPORT

Test Report No:TC540219000003850F	Date: 22.11.2019	Page 1 of 1
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CUSTOMER DETAILS			
Customer Name & Address		M/s ST: Gregorious Medical Mission Hospital, Parumala P.O, PIN-689626 Pathanamthitta District.	
Customer Reference		Test Request form dated 08.11.2019	
SAMPLE DETAILS			
Source of Sample	Ambient Air	Sample Code	19000003850
Location of Monitoring	At Govt.Primary School, Kadapra,Parumala.	Sampled By	Laboratory
Date of Monitoring	08.11.2019	Test Started On	09.11.2019
Sample Received On	09.11.2019	Test Completed On	12.11.2019
Humidity	71 %	Sampling Procedure	SEAAL/ENL/GEN/SOP/02

SL NO	TEST PARAMETER	TEST METHOD	UNIT	RESULTS	NAAQ STANDARD
01	Particulate matter (PM ₁₀)	IS 5182 Part 23: 2006 RA 2017	µg/m ³	59.6	100
02	Particulate matter (PM _{2.5})	EPA 40 CFR Part 50 Appendix - L	µg/m ³	25.4	60.0
03	Sulphur dioxide (SO ₂)	IS 5182 Part 2: 2001 RA 2017	µg/m ³	< 2.00	80.0
04	Nitrogen dioxide (NO ₂)	IS 5182 Part 6: 2006 RA 2017	µg/m ³	6.40	80.0

End of Report

For and on behalf of
Standard^s Environmental & Analytical Laboratories




Authorized Signatory
Lalju P. S.
Laboratory Head

Scanned with CamScanner

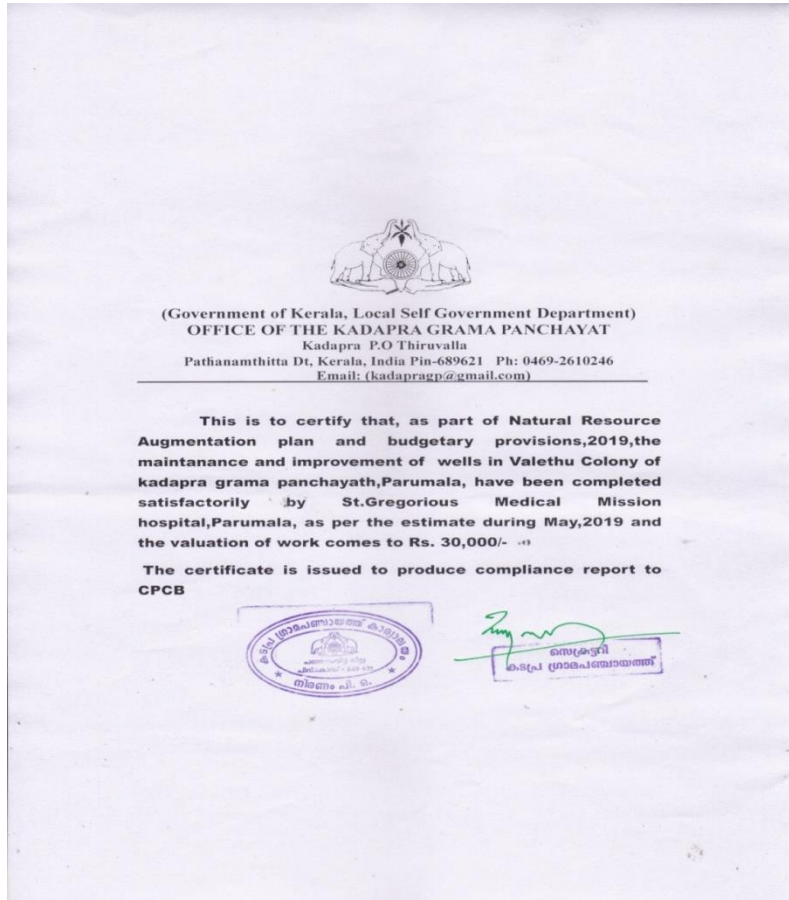
FSC: SBIN0010667

Beneficiary Name: Standards Environmental & Analytical Laboratories

Scanned with CamScanner

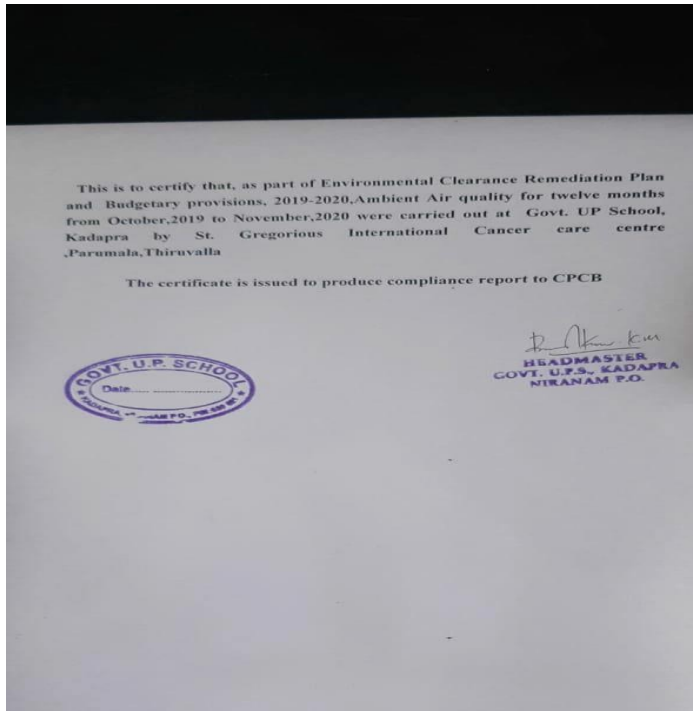
Annexure No-5

Completion certificate of maintenance and improvement of wells in Valethu Colony of Kadapra gramapanchayath, Parumala,



Annexure No-6

Some photos and Analysis report of the water sample collection by Standard Environmental and analytical Laboratories, Ernakulam



Standard's
Environmental Monitoring

TEST REPORT

Test Report No: TC540219000003853P Date: 22.11.2019 Page: 1 of 1

CUSTOMER DETAILS

Customer Name & Address: M/s ST. Gregarious Medical Mission Hospital, Purnama P.O., PIN-686926, Purnamasthala District.

Customer Reference: Test Request Form dated 09.11.2019

SAMPLE DETAILS

Sample Code: 19000003853P Sample Received On: 09.11.2019

Sample Name: Water Sampling Procedure: SEAM/EN/ISO/1016/SEAM/ISO/1016

Sample Description: Open Well Sampling Location: Purnama Hospital L-4

Identification By Customer: --- Sample Condition: Good

Sampled On: 09.11.2019 Test Started On: 09.11.2019

Sampled By: Laboratory Test Completed On: 12.11.2019

SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500:2019)
01	Colour	IS 3025 Part 4:1983 RA 2017	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5:2018	---	Unobjectionable	Unobjectionable
03	Turbidity	IS 3025 Part 10:1984 RA 2017	NTU	< 0.10	1.00 (Max)
04	pH	IS 3025 Part 11:1983 RA 2017	---	8.87	6.50 - 8.50
05	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	142	500 (Max)
06	Total Hardness (as CaCO ₃)	IS 3025 Part 21:2009 RA 2019	mg/L	82.0	200 (Max)
07	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2019	mg/L	27.2	75.0 (Max)
08	Magnesium (as Mg)	IS 3025 Part 40:1991 RA 2019	mg/L	2.92	30.0 (Max)
09	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2019	mg/L	41.7	250 (Max)
10	Iron (as Fe)	IS 3025 Part 53:2003 RA 2019	mg/L	< 0.10	1.00 (Max)
11	Total Coliform Bacteria	IS 15185:2016	---	Absent/100 ml	Absent/100 ml
12	E.coli	IS 15185:2016	---	Absent/100 ml	Absent/100 ml

For and on behalf of
Standard's Environmental & Analytical Laboratories
Authorized Signatory: **Saini T. S.** Microbiologist
Laboratory Head

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Accreditation and Approval: NABL as per ISO 17025:2017 & "A" Grade Laboratory of KSPCB
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Web: www.standard's.in, E-mail: standard's@standard's.in, info@standard's.in

Standard's
Environmental Monitoring

TEST REPORT

Test Report No: TC540219000003854P Date: 22.11.2019 Page: 1 of 1

CUSTOMER DETAILS

Customer Name & Address: M/s ST. Gregarious Medical Mission Hospital, Purnama P.O., PIN-686926, Purnamasthala District.

Customer Reference: Test Request Form dated 09.11.2019

SAMPLE DETAILS

Sample Code: 19000003854P Sample Received On: 09.11.2019

Sample Name: Water Sampling Procedure: SEAM/EN/ISO/1016/SEAM/ISO/1016

Sample Description: Open Well Sampling Location: Purnama Hospital L-4

Identification By Customer: --- Sample Condition: Good

Sampled On: 09.11.2019 Test Started On: 09.11.2019

Sampled By: Laboratory Test Completed On: 12.11.2019

SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500:2019)
01	Colour	IS 3025 Part 4:1983 RA 2017	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5:2018	---	Unobjectionable	Unobjectionable
03	Turbidity	IS 3025 Part 10:1984 RA 2017	NTU	< 0.10	1.00 (Max)
04	pH	IS 3025 Part 11:1983 RA 2017	---	8.87	6.50 - 8.50
05	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	92.0	500 (Max)
06	Total Hardness (as CaCO ₃)	IS 3025 Part 21:2009 RA 2019	mg/L	58.0	200 (Max)
07	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2019	mg/L	16.0	75.0 (Max)
08	Magnesium (as Mg)	IS 3025 Part 40:1991 RA 2019	mg/L	4.28	30.0 (Max)
09	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2019	mg/L	14.0	250 (Max)
10	Iron (as Fe)	IS 3025 Part 53:2003 RA 2019	mg/L	< 0.10	1.00 (Max)
11	Total Coliform Bacteria	IS 15185:2016	---	Present/100 ml	Absent/100 ml
12	E.coli	IS 15185:2016	---	Absent/100 ml	Absent/100 ml

For and on behalf of
Standard's Environmental & Analytical Laboratories
Authorized Signatory: **Saini T. S.** Microbiologist
Laboratory Head

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Standard's
Environmental Monitoring

TEST REPORT

Test Report No: TC540219000003853P Date: 22.11.2019 Page: 1 of 1

CUSTOMER DETAILS

Customer Name & Address: M/s ST. Gregarious Medical Mission Hospital, Purnama P.O., PIN-686926, Purnamasthala District.

Customer Reference: Test Request Form dated 09.11.2019

SAMPLE DETAILS

Sample Code: 19000003853P Sample Received On: 09.11.2019

Sample Name: Water Sampling Procedure: SEAM/EN/ISO/1016/SEAM/ISO/1016

Sample Description: Open Well Sampling Location: Purnama Hospital L-4

Identification By Customer: --- Sample Condition: Good

Sampled On: 09.11.2019 Test Started On: 09.11.2019

Sampled By: Laboratory Test Completed On: 12.11.2019

SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500:2019)
01	Colour	IS 3025 Part 4:1983 RA 2017	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5:2018	---	Unobjectionable	Unobjectionable
03	Turbidity	IS 3025 Part 10:1984 RA 2017	NTU	< 0.10	1.00 (Max)
04	pH	IS 3025 Part 11:1983 RA 2017	---	8.87	6.50 - 8.50
05	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	44.0	500 (Max)
06	Total Hardness (as CaCO ₃)	IS 3025 Part 21:2009 RA 2019	mg/L	15.2	200 (Max)
07	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2019	mg/L	1.46	75.0 (Max)
08	Magnesium (as Mg)	IS 3025 Part 40:1991 RA 2019	mg/L	10.9	30.0 (Max)
09	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2019	mg/L	0.29	250 (Max)
10	Iron (as Fe)	IS 3025 Part 53:2003 RA 2019	mg/L	< 0.10	1.00 (Max)
11	Total Coliform Bacteria	IS 15185:2016	---	Present/100 ml	Absent/100 ml
12	E.coli	IS 15185:2016	---	Absent/100 ml	Absent/100 ml

For and on behalf of
Standard's Environmental & Analytical Laboratories
Authorized Signatory: **Saini T. S.** Microbiologist
Laboratory Head

The results are related only to the samples submitted for analysis and this test report shall not be reproduced except in full, without the written approval of the laboratory.

Standard's Environmental & Analytical Laboratories
Accreditation and Approval: NABL as per ISO 17025:2017 & "A" Grade Laboratory of KSPCB
K.J. Tower, Puthalam, Udyogmandal P.O., Ernakulam-683 501, Tel: 0484-2546660, 93 87 27 24 02, 90 74 14 43
Web: www.standard's.in, E-mail: standard's@standard's.in, info@standard's.in

Standard's
Environmental Monitoring

TEST REPORT

Test Report No: TC540219000003853P Date: 22.11.2019 Page: 1 of 1

CUSTOMER DETAILS

Customer Name & Address: M/s ST. Gregarious Medical Mission Hospital, Purnama P.O., PIN-686926, Purnamasthala District.

Customer Reference: Test Request Form dated 09.11.2019

SAMPLE DETAILS

Sample Code: 19000003853P Sample Received On: 09.11.2019

Sample Name: Water Sampling Procedure: SEAM/EN/ISO/1016/SEAM/ISO/1016

Sample Description: Open Well Sampling Location: Purnama Hospital L-4

Identification By Customer: --- Sample Condition: Good

Sampled On: 09.11.2019 Test Started On: 09.11.2019

Sampled By: Laboratory Test Completed On: 12.11.2019

SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500:2019)
01	Colour	IS 3025 Part 4:1983 RA 2017	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5:2018	---	Unobjectionable	Unobjectionable
03	Turbidity	IS 3025 Part 10:1984 RA 2017	NTU	< 0.10	1.00 (Max)
04	pH	IS 3025 Part 11:1983 RA 2017	---	8.87	6.50 - 8.50
05	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	21.8	500 (Max)
06	Total Hardness (as CaCO ₃)	IS 3025 Part 21:2009 RA 2019	mg/L	1.78	200 (Max)
07	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2019	mg/L	0.48	75.0 (Max)
08	Magnesium (as Mg)	IS 3025 Part 40:1991 RA 2019	mg/L	2.89	30.0 (Max)
09	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2019	mg/L	0.27	250 (Max)
10	Iron (as Fe)	IS 3025 Part 53:2003 RA 2019	mg/L	< 0.10	1.00 (Max)
11	Total Coliform Bacteria	IS 15185:2016	---	Present/100 ml	Absent/100 ml
12	E.coli	IS 15185:2016	---	Absent/100 ml	Absent/100 ml

For and on behalf of
Standard's Environmental & Analytical Laboratories
Authorized Signatory: **Saini T. S.** Microbiologist
Laboratory Head

The results are related only to the samples submitted for analysis and this test report shall not be reproduced except in full, without the written approval of the laboratory.

Standard's Environmental & Analytical Laboratories
Accreditation and Approval: NABL as per ISO 17025:2017 & "A" Grade Laboratory of KSPCB
K.J. Tower, Puthalam, Udyogmandal P.O., Ernakulam-683 501, Tel: 0484-2546660, 93 87 27 24 02, 90 74 14 43
Web: www.standard's.in, E-mail: standard's@standard's.in, info@standard's.in

TEST REPORT

Test Report No: TC540219000005763P Date: 06.03.2020 Page 1 of 1

CUSTOMER DETAILS

Customer Name & Address: M/s St. Gregorious Medical Mission Hospital
Parumala, Puthanambutha District.
Customer Reference: Test Request form dated 28.12.2019

SAMPLE DETAILS

Source of Sample: Ambient Air Sample Code: 19000005763
Location of Monitoring: At Govt. Primary School, Kadappa, Parumala. Sampled By: Laboratory
Date of Monitoring: 01.03.2020 Test Started On: 02.03.2020
Sample Received On: 02.03.2020 Test Completed On: 06.03.2020
Humidity: 66 % Sampling Procedure: SEAAL/ENL/GEN/SOP/02

SL NO	TEST PARAMETER	TEST METHOD	UNIT	RESULTS	NAAQ STANDARD
01	Particulate matter (PM ₁₀)	IS 5182 Part 23: 2006 RA 2017	µg/m ³	69.6	100
02	Particulate matter (PM _{2.5})	EPA 40 CFR Part 50 Appendix - L	µg/m ³	22.9	60.0
03	Sulphur dioxide (SO ₂)	IS 5182 Part 2: 2001 RA 2017	µg/m ³	< 2.00	80.0
04	Nitrogen dioxide (NO ₂)	IS 5182 Part 6: 2006 RA 2017	µg/m ³	5.10	80.0

End of Report

For and on behalf of
Standard^s Environmental & Analytical Laboratories



Rija Joseph
Authorized Signatory
Rija Joseph
Technical Manager

Standard^s Environmental & Analytical Laboratories

Accreditation and Approval: NABL as per ISO 17025: 2017 & "A" Grade Laboratory of KSPCB
1, Tower, Puthalam, Udyogamandal P.O., Ernakulam-683 501. Tel: 0484-2546660, 93 87 27 24 02, 90 74 34 14 43
Web: www.sealabs.in, E-mail: sealabs@gmail.com





Annexure No-7

The completion certificate of two units of portable toilets at site (1 for male and 1 for female) for Kannassa Smaraka Govt. Higher Secondary School, Kadapara

**KANNASSA SMARAKA
GOVT. HIGHER SECONDARY SCHOOL**

Kadapra, Valanjavattom P. O.
Thiruvalla - 4, Tel : 0469 - 2611602

No.

Date:.....

From,

The Principal

CERTIFICATE

This is to certify that, as part of Remediation plan on water environment 2019, two units of portable toilets one for male and one for female of worth Rs 60000/- were successfully installed by St. Gregorious Mission Hospital, Parumala during the month of November 2019.




PRINCIPAL
Kannassa Smaraka Govt. Higher
Secondary School, Kadapra
Pathanamthitta
630005

Annexure No-8

Photos of inauguration and Completion certificate for the provision of drinking water facility for Valethu Colony, Kadapra Panchayath, Parumala





(Government of Kerala, Local Self Government Department)
OFFICE OF THE KADAPRA GRAMA PANCHAYAT
Kadapra P.O Thiruvalla
Pathanamthitta Dt, Kerala, India Pin-689621 Ph: 0469-2610246
Email: (kadapragp@gmail.com)

This is to certify that, as part of Natural Resource Augmentation plan and budgetary provisions, 2019, the maintenance and improvement of wells in Valethu Colony, Kadapra Grama panchayath, Parumala, have been completed satisfactorily by St. Gregorious Medical Mission hospital, Parumala, as per the estimate during January, 2020 and the valuation of work comes to Rs. 49200/-

The certificate is issued to produce compliance report to CPCB




[Red rectangular stamp with Malayalam text]

Annexure No-9

Photos of inauguration and completion certificate of Re concreting work at Kottakkamalai road, ward No-9, Kadapra Grama panchayath





Inaugurated by H.G. Dr. Yuhanon Mar Chrisostomos Metropolitan.



Annexure No-10

Proof regarding solar system installed in Public Health centre, Kadapra Grama panchayth .

Invoice No. CR-B2B/0027
Ref. No.

SUBJECT TO CHENGANNUR JURISDICTION
(ORIGINAL FOR RECIPIENT)

Dated 16-Dec-2019

CROWN POWER SOLUTIONS
Pandisseri Building
Near TB Junction
Kallissery
Chengannur
PH : 9747560007
GSTIN/UIN : 32ANSPR6310B1Z7
State Name : Kerala, Code : 32
E-Mail : crownkallissery@gmail.com

GST RETAIL BILL

Party : ST. GREGORIOS MEDICAL MISSION HOSPITAL
PARUMALA
THIRUVALLA
PATHANAMTHITTA
PH 0479 2312266
GSTIN/UIN : 32AAFTS6448F1ZF
State Name : Kerala, Code : 32

No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc %	Amount
1	LMN SLRPGS165W/POCY +LPTT12 150H+1400NXGUPS 2AJ578P1036979 / EAJ079E1S12004 / 1A/C64B1003661	8541	1 No's	32,190.48	No's		32,190.48
2	LMN SLR PV MODULE 165W/12V POLY CRYST C3JS78P1076856 / C3J78P1076857	8541	2 No's	6,285.71	No's		12,571.42
3	TROLLEY CABINET BIG	3923	1 No's	847.46	No's		847.46
							45,609.36
	CGST						1,195.32
	SGST						1,195.32
	Total		4 No's				₹ 48,000.00

Amount Chargeable (in words) **INR Forty Eight Thousand Only** E & O E

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
8541	44,761.90	2.50%	1,119.05	2.50%	1,119.05	2,238.10
3923	847.46	9%	76.27	9%	76.27	152.54
Total	45,609.36		1,195.32		1,195.32	2,390.64

Tax Amount (in words) **INR Two Thousand Three Hundred Ninety and Sixty Four paise Only**

Declaration
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

This is a computer generated invoice

Certified that installation of the solar assembly has been completed at our facility Ptz Kadapra on 16/12/19. Device working satisfactorily at present.

Public Health Centre Kadapra

CS Scanned with CamScanner

Annexure No-11

Photos of Periodic medical checkup camps

PARUMALA HOSPITAL

**പരമല ആശുപത്രിയിൽ സൗജന്യ
ദന്തരോഗ പരിശോധനാ ക്യാമ്പ്**

2019 ഒക്ടോബർ 26, 29 തീയതികളിൽ.
രാവിലെ 9 മുതൽ 1 മണി വരെ

ലഭ്യമാകുന്ന സേവനങ്ങൾ:
**സൗജന്യ ദന്തപരിശോധന,
ദന്തൽ X-Ray യ്ക്ക് 20% ഇളവ്
ദന്തൽ സ്കെയിലിങ്ങിന് 10% ഇളവ്**

കൂടുതൽ വിവരങ്ങൾക്ക്:
0479-2317000, 9497174219

2x5





Cancer awareness class by Dr. Anto Baby

Annexure No-12

Location of trees planted as Part of Environmental Clearance Remediation Plan and Natural Resource Augmentation Plan,2019-2020

Sl No	Location	Number of trees planted	Location Coordinates
			Latitude Longitude
1.	Straw board factory,Thிக்கapuzha,Kadapra	6	9.33232 76.53903
2.	Govt.UP School,Kadapra	60	9.343 76.53
3.	KVUP School,Pulikeezhu,Kadapra	60	9.357 76.5395
4.	Govt Ayurveda Hospital ,Randamkurisu, Kadapra	64	9.323 76.53904
5.	SH-6 Road side at Kadapra	20	9.356 76.5395
6.	St.Gregorious hospital ,Parumala	60	9.3266 76.53935
7.	Nursing College, Parumala	30	9.32 76.53
8.	DB Pampa College, Parumala	50	9.322 76.532
9.	Syntex Rose High School,Thிக்கapuzha,Kadapra	150	9.33 76.53







ST. GREGORIOS COLLEGE OF NURSING

(Affiliated to Kerala University of Health Sciences, Thrissur)
Parumala P.O., Pathanamthitta Dist, Kerala-689 626, India
Tel : 0479-2310393, Fax No. 2310390.
E-mail: sgconp@gmail.com, Web Site: www.sgcon.in



Date: 26/03/2021

SGCON :01/26032021

To
Rev. Fr. M.C. Poullose
CEO
SGMMH
Parumala

Respected Father,

Sub: Issuance certificate reg:

This is to certify that, as part of Environmental Clearance Remediation Plan and Budgetary provisions, Natural and Community Resource Augmentation Plan, 2019-2020, plantation of 50 trees were carried out at the compound of St. Gregorios College of Nursing, Parumala, Kadapra by St.Gregorios International Cancer care centre, Parumala, Thiruvalla during June,2020.

The certificate is issued to produce compliance report to CPCB.



Thanking You

Yours faithfully

Principal

Principal,
St. Gregorios College of Nursing
Parumala.

This is to certify that, as Part of Environmental Clearance Remediation Plan and Budgetary provisions, Natural and Community Resource Augmentation Plan, 2019-2020, plantation of 65 trees were carried out at the compound of Govt. Ayurveda hospital, Parumala, Kadapra by St. Gregorios International Cancer care centre, Parumala, Thiruvalla during the month of July, 2020

The certificate is issued to produce compliance report to CPCB



[Signature]
23/7/21
Dr. Jiss Mary P.P.

**MEDICAL OFFICER
GOVT. AYURVEDA DISPENSARY
KADAPRA**

Kesava Vilasom Upper Primary School

Valanjavattom P. O., Thiruvalla - 4

Phone : 9496266449

Ref. 139/20-21

Date: 22/3/2021..

Headmistress

To,

CERTIFICATE

This is to certified that, as part of Environmental Clearance Remediation and Natural and Community Resource Augmentation plan 2020 by St. Gregorios International Cancer Care Centre, Parumala, Plantation of 60 trees were carried out of the compound of KVUP School Valanjavattom (Kadappra) during the month of June 2020



ASHA. M.

ASHA. M.
Headmistress
K.V.U.P. SCHOOL, VALANJAVATTOM



SYNDESMOS PUBLIC SCHOOL

(Affiliated to C. B. S. E., Delhi)
(Senior Secondary Institution Managed by
Mar Gregorios Educational & Charitable Society)
Gregorian Nagar, Parumala., Pin - 689626, Phone: 0479 - 2314331
E-mail : syndesmosschool@gmail.com

Date 15-10-2020

Principal

This is to certify that, as Part of Environmental Clearance Remediation Plan and Budgetary provisions, Natural and Community Resource Augmentation Plan, 2019-2020, plantation of 150 trees were carried out at the compound of Syndesmos Public school, Parumala by St. Gregorious Medical Mission Hospital, Parumala, during the month of June, 2020.

The certificate is issued to produce compliance report to CPCB


Principal
SYNDESMOS PUBLIC SCHOOL (CBSE)
PARUMALA- 689 626, THIRUVALLA
E-mail: syndesmosschool@gmail.com
PH: 0479 - 2314331



Annexure No-13

Photos and certificate regarding the provision of Personnel protective equipment's to primary health centre

Issuance Certificate

This is to certify that, as part of Environmental Clearance Remediation plan and budgetary provisions, 2020, Personnel Protective Equipment (2000 masks and 250 Hand sanitizer) of worth Rs.50,000/- were given to Public Health Centre, Kadapra Grama Panchayath, Parumala, by M/s St.Gregorious International Cancer Care Centre, Parumala, Thiruvalla during the month of September, 2020

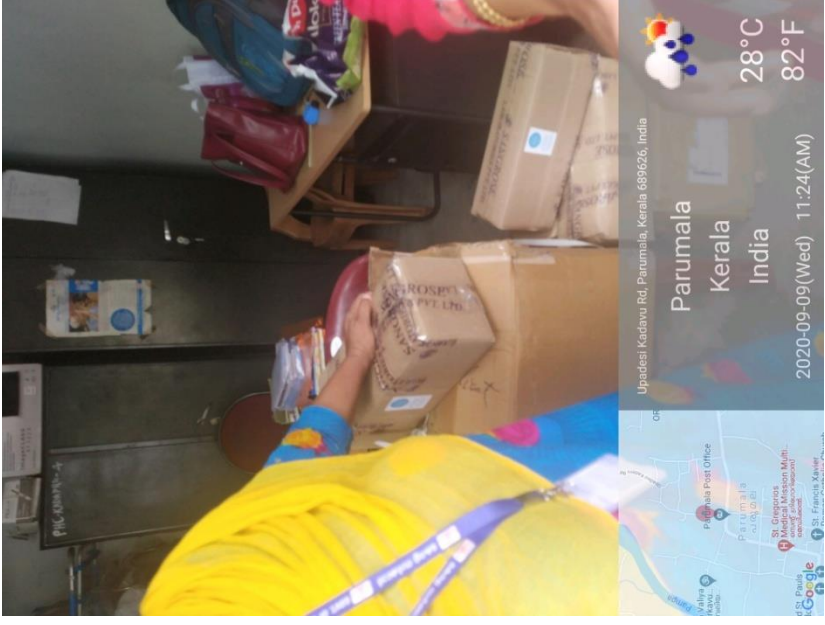
The certificate is issued to produce compliance report to CPCB

Place : Kadapra

Date : 9.09.20



The Medical Officer
Primary Health Centre
Kadapra, Parumala P. O.



Annexure No-14

FORM - V (See rule 14) Environmental Audit Report for the Financial year ending the 31 st March <u>2019</u> .			
PART - A			
1.	Name & address of the owner/occupier of the industry, operation or process.	THE CHIEF EXECUTIVE OFFICER, ST GREGORIOS MEDICAL MISSION HOSPITAL, PARUMALA P.O, PATHANAMTHITTA - 689626	
2.	Industry category Primary (STC Code), Secondary (STC Code)	RED	
3.	Production Capacity- Units		
4.	Year of establishment	SEPT 1978	
5.	Date of last environmental statement	NA	
PART - B			
1	Water Consumption m ³ /day process		
	Cooling		10 m ³
	Domestic		110 m ³
	Name of Products	Water consumption per unit of products	
		During the previous financial year (1)	During the current financial year (2)
1.	Open Well	NA	10800 m ³
2.	Bore Well	NA	25200 m ³
2	Raw Material Consumption		
	Consumption of Raw Material Per unit of output		
	Name of Raw Materials	Name of Products	During the previous financial year
			During the current financial year
	Diesel	Generators	60,000 Ltrs
			72,000 Ltrs
PART - C			
Pollution Generated (Parameters as specified in the consent issued)			
	Pollutants	Quantity of pollution generated	Percentage of variation from prescribed standards with

			reasons
a.	Water		
b.	Air		
PART - D			
[as specified under Hazardous Wastes (Management & Handling) Rules, 1989]			
	Hazardous Wastes	Total Quantity (in Kg)	
		During the previous financial year	During the current financial year
a.	From Process	NA	21.72 ton
b.	From Pollution Control Facilities	NA	Nil
PART - E			
Solid Wastes			
		Total Quantity	
		During the previous financial year	During the current financial year
a	From process	NA.	103.53 ton
b	From pollution control facility	NA	
c	Quantity recycled or re-utilized.	NA	40.53 ton
PART - F			
Please specify the characteristics (in terms of concentration and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.			
BMW disposed through IMA IMAGE, Plastic Waste collected by Kadappa Asama Pinchayath, Paper & Scrap items sell through vendor			
PART - G			
Impact of pollution control measures on conservation of natural resources and consequently on the cost of production.			
PART - H			
Additional investment proposal for environmental protection including abatement of pollution.			
The Environment (Protection) Rules, 1986			
PART - I			
Miscellaneous			
Any other particulates in respect of environment protection and abatement of pollution.			

[Handwritten signature]

Annexure No-15

Advertisement of news in daily news papers like Malayala manorama, Mathrubhumi, and in Hindu regarding environmental clearance

നോട്ടീസ്

പൊതുജനശ്രദ്ധയ്ക്കായി, കേരള സംസ്ഥാനം, പത്തനംതിട്ട ജില്ല, തിരുവല്ല താലൂക്ക്, കടപ്പ വില്ലേജിൽ 286/2, 286/3, 286/16 സർവ്വേനമ്പരുകളിൽ ഉൾപ്പെട്ട സ്ഥലത്ത് ആശുപത്രി കെട്ടിടനിർമ്മാണ പദ്ധതിയ്ക്കായി സെന്റ് ഗ്രിഗോറിയോസ് ഇന്റർനാഷണൽ ക്യാൻസർ കെയർ സെന്റർ സമർപ്പിച്ച അപേക്ഷയിൽ വേണ്ട പാരിസ്ഥിതിക അനുമതി (എൻവിയോൺമെന്റൽ ക്ലിയറൻസ്) നിബന്ധനകളുടെ അടിസ്ഥാനത്തിൽ കേന്ദ്ര വനം-പരിസ്ഥിതി കാലാവസ്ഥാ വ്യതിയാന മന്ത്രാലയത്തിൽനിന്നും 08-04-2019-ൽ പുറപ്പെടുവിച്ച ഉത്തരവ് നമ്പർ 23-65/2018 IA-III പ്രകാരം ലഭിച്ചിരിക്കുന്നു. പാരിസ്ഥിതിക അനുമതി കത്തിന്റെയും നിബന്ധനകളുടെയും പകർപ്പ് സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ് / കമ്മിറ്റിയുടെ പക്കൽനിന്നോ, കേന്ദ്ര വനം-പരിസ്ഥിതി കാലാവസ്ഥാ വ്യതിയാന മന്ത്രാലയത്തിന്റെ വെബ്സൈറ്റിൽ (<http://moef.nic.in>) നിന്നോ ലഭ്യമാണ്.

ASSISTANTS OPERATORS
PRACTITIONER/PHIOTHERAPISTS

ION TECHNICIANS PAINTERS HOLSTERERS
SALARY NEGOTIABLE

VAL
01-682036
e-mail:
om
10810
ECNR only

(കു)

മുനിസിപ്പൽ സെക്ഷൻ

നോട്ടീസ്

പൊതുജനശ്രദ്ധയ്ക്കായി, കേരള സംസ്ഥാനം, പത്തനംതിട്ട ജില്ല, തിരുവല്ല താലൂക്ക്, കടപ്പ വില്ലേജിൽ 286/2, 286/3, 286/16 സർവ്വേനമ്പരുകളിൽ ഉൾപ്പെട്ട സ്ഥലത്ത് ആശുപത്രി കെട്ടിടനിർമ്മാണ പദ്ധതിയ്ക്കായി സെന്റ് ഗ്രിഗോറിയോസ് ഇന്റർനാഷണൽ ക്യാൻസർ കെയർ സെന്റർ സമർപ്പിച്ച അപേക്ഷയിൽ വേണ്ട പാരിസ്ഥിതിക അനുമതി (എൻവിയോൺമെന്റൽ ക്ലിയറൻസ്) നിബന്ധനകളുടെ അടിസ്ഥാനത്തിൽ കേന്ദ്ര വനം-പരിസ്ഥിതി കാലാവസ്ഥാ വ്യതിയാന മന്ത്രാലയത്തിൽനിന്നും 08-04-2019-ൽ പുറപ്പെടുവിച്ച ഉത്തരവ് നമ്പർ 23-65/2018 IA-III പ്രകാരം ലഭിച്ചിരിക്കുന്നു. പാരിസ്ഥിതിക അനുമതി കത്തിന്റെയും നിബന്ധനകളുടെയും പകർപ്പ് സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ് / കമ്മിറ്റിയുടെ പക്കൽനിന്നോ, കേന്ദ്ര വനം-പരിസ്ഥിതി കാലാവസ്ഥാ വ്യതിയാന മന്ത്രാലയത്തിന്റെ വെബ്സൈറ്റിൽ (<http://moef.nic.in>) നിന്നോ ലഭ്യമാണ്.

certifi-
10 days of the notice

PUBLIC NOTICE

ST. GREGORIOS INTERNATIONAL CANCER CARE CENTRE

This is to inform you that Government of India, Ministry of Environment, Forest and Climate Change has accorded Environmental Clearance with specific and general conditions to the project 'Expansion of existing hospital project at Kadapra Village, Pathanamthitta (Kerala)' by St.Gregorios International Cancer Care Centre on 08.04.2019 under the provisions of EIA Notifications, 2006 and amendments/circular issued thereon.

Copies of environmental clearance letter along with environment conditions are available with Kerala Pollution Control Committee (KPCC) and may also be seen at website of the Ministry of Environment, Forest and Climate Change at <http://moef.nic.in>

Chief Executive Officer

