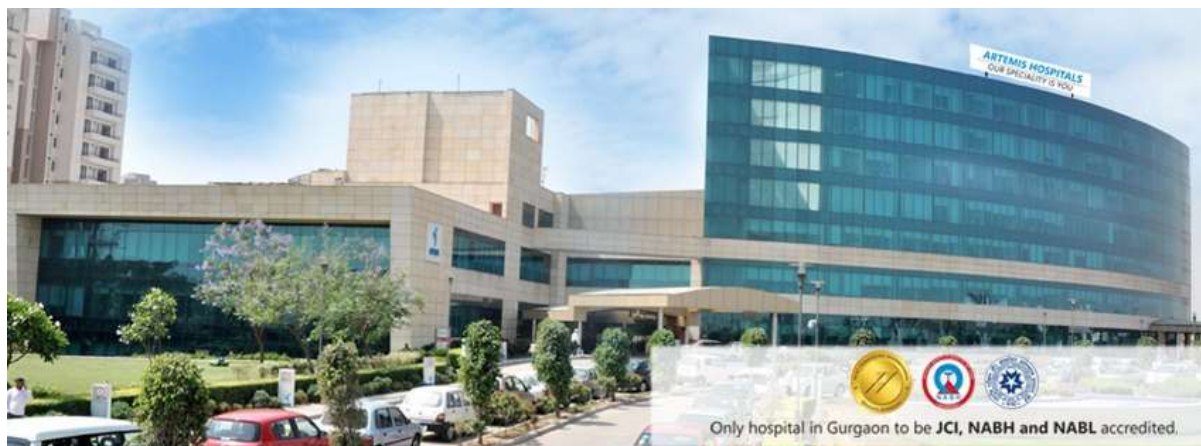


Half Yearly Compliance Report on Environmental Surveillance Monitoring & Compliance Status

(Period: 01.04.2019 to 30.09.2019)



M/s Artemis Medicare Services Ltd.
Hospital Site, Sector – 51,
Gurgaon – 122 001, Haryana

Submitted to:

Northern Regional Office
Ministry of Environment, Forest and Climate Change
Government of India
Bays No. 24-25, Sector – 31-A
Dakshin Marg, Chandigarh – 160 030

Ministry of Environment, Forest and Climate Change
Government of India
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.....abbreviations

₹: Indian Rupees

%: percentage

°C: degree Celsius

µg/m³: microgram per cubic meter

APHA: American Public Health Association

BMW: Bio-Medical Waste

BIS: Bureau of Indian Standards

CGWA: Central Ground Water Authority

CPCB: Central Pollution Control Board

CO: Carbon Monoxide

CO₂: Carbon Dioxide

CSR: Corporate Social Responsibility

CTE: Consent to Establish

CTO: Consent to Operate

Cu: Copper

dm²: Deci-meter Square

dB (A): Decibel in A scale

DG: Diesel Generator

EC: Environmental Clearance

EIA: Environment Impact Assessment

EMP: Environment Management Plan

ETP: Effluent Treatment Plant

Fe: Iron

g: gram

g/kw-hr: gram per kilowatt hour

GSR: General Statutory Rules

HDPE: High Density Polyethylene

HSPCB: Haryana State Pollution Control Board

HWM: Hazardous Waste Management

HUDA: Haryana Urban Development Authority

IARI: Indian Agricultural Research Institute

IS: Indian Standards

INR: Indian Rupees

KVA: Kilo Volt Ampere

L_{eq}: Noise Equivalent Level

LPH: Litre per hour

m: Meter

m²: Square meter

m³: Cubic meter

m/s: meter per second

meq: milli-equivalent

mg/L: milligram per liter

mg/Nm³: milligram per cubic meter at normal temperature & pressure condition

MoEF&CC: Ministry of Environment, Forest and Climate Change, Govt of India

MPN: Most Probable Numbers

Nm³/Hr: cubic meter at normal temperature & pressure condition per hour

NABL: National Accreditation Board for Testing & Calibration Laboratory

NOC: No Objection Certificate

NTU: Nephelometric Turbidity Unit

NH₃: Ammonia

NO₂: Nitrogen Dioxide

NO_x: Oxide of Nitrogen

NZ: Northern Zone

O₃: Ozone

O&G: Oil & Grease

PM₁₀: Respirable Suspended Particulate Matters of size less than 10 μm

PM_{2.5}: Respirable Suspended Particulate Matters of size less than 2.5 μm

ppm: Parts per million

SO₂: Sulfur Dioxide

SPCB: State Pollution Control Board

STP: Sewage Treatment Plant

TPA: Ton per Annum

TDS: Total Dissolved Solids

TSS: Total Suspended Solids

USEPA: United States Environment Protection Agency

w/v: weight by volume

1.1 Introduction

Artemis Health Institute is a super-specialty flagship hospital established by Artemis Health Sciences (AHS) - a healthcare venture launched by the promoters of the Apollo Tyres Group. Artemis aims at creating an integrated world-class healthcare system by leveraging the best medical practices backed by cutting-edge technology. The super-specialities chosen by Artemis as its area of focus include cardiovascular, oncology, orthopedics, neurosciences and bariatric & minimal invasive surgery. The facility at Gurgaon is designed and constructed in strict accordance with International guidelines.

The hospital project is located in Sector-51, Gurgaon in Haryana state. Geographical location of the project as stated in the recently appraised EIA report is 28° 25' 45.02" latitude and 77° 04' 25.23" longitude and at about 234 meters above the mean sea level.

This project has been accorded Environmental Clearance by the Union Ministry of Environment, Forest and Climate Change, Govt. of India vide letter bearing F. No. 23-279/2018-IA.III(V) dated 27.09.2019 for 795 bedded hospital, which includes 400 beds in the expansion phase. Further, Consent to Establish (CTE)/NOC for the project was also obtained from Haryana State Pollution Control Board (HSPCB) vide their letter bearing No. HSPCB/2007/TAC-I/199A/56 dated 09.02.2007 and CTE for expansion project is under active consideration by the Board. Copy of the said CTE/NOC has already been submitted to Authorities concerned as annexure to previous half yearly compliance reports.

1.2 Salient Features of the Project:

- 1) Area:** Total plot area of the project as per latest EC dated 27/09/2019 is 33,588.908 SQM and total built up area after expansion shall be 67,444.652 SQM. The land has been allotted by Haryana Urban Development Authority (HUDA) vide letter bearing Memo No. 83 dated 15.02.2006.
- 2) Occupancy:** Total capacity of the hospital in terms of number of beds as per the latest EC dated 27.09.2019 accorded by the MoEF&CC is 395, which will become 795 after expansion.

S. No.	Statistics	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19
1	Bed Occupancy %	267	253	285	265	270	284

- 3) Water Consumption:** The total water requirement is 483 KLD. Out of which fresh water requirement is about 333 KLD. Fresh water is sourced from the HUDA water supply for which Permission for regular water supply connection has been granted by Competent Authority vide letter bearing Memo No. 4098-99 dated 19.03.2018. Nevertheless, water is withdrawn through bore wells in case of additional requirement or inadequate supply from HUDA. Post expansion the total water requirement of the project is estimated to be 1104 KLD.

- 4) Effluent Treatment:** Sewage generated is treated in a Sewage Treatment Plant (STP) with capacity to treat 325 KLD of sewage that is installed inside the project premises. The entire (100%) treated water from STP is recycled/reused in cooling and horticulture in the hospital. Alongside one ETP to treat 25 KLD trade effluent is also installed and operated regularly by the Hospital. After the expansion, the total quantity of the total volume of wastewater shall be 637, which shall be treated in additional STP of capacity 400 KLD and an additional ETP of capacity 45 KLD.
- 5) Parking:** The existing parking capacity of the project is 236 ECS. An additional capacity of 432 ECS shall be provided for the expansion project.
- 6) Energy Efficiency Measures:**
- a) Latest Energy Audit was carried out in 2018 and a 134 page report was issued by M/s KBS Certification Services Pvt. Ltd. on 3rd November 2018.
- 7) Fire Safety:** The building is well equipped with all firefighting equipment (i.e. fire water tanks, fire pumps, fire hydrants, sprinkler system, fire alarms, fire extinguishers, hose reels etc.) as required under the local fire norms. Licence for storage of diesel are regularly obtained from Competent Authorities concerned with validity till 31st December 2019 (Please refer Annexure-A3).
- 8) Rain Water Harvesting:** The rainwater collected from the rooftop and other safe and uncontaminated areas within the hospital premises is conveyed into the rainwater harvesting system consisting injection bore for recharge into the groundwater. There are 5 existing rainwater harvesting structures and 1 new structure will be created to harvest rain from the expansion project.
- 9) Disposal of Wastes:** The hospital generates following types of wastes:
- (a) Municipal Solid waste:** The hospital has entered in to an agreement with M/s Ecogreen Energy Faridabad-Gurgaon Pvt. Ltd., 607, ILD Trade Centre, Sector-47, Gurugram for appropriate collection, segregation and disposal as per prevailing Solid Waste Management Rules.
- (b) Bio-medical waste:** BMW are being disposed by the help of an approved company namely, M/s Biotic Waste Limited, Sector-37, Gurugram.
- (c) Hazardous Waste:** The used oil from DG sets is being stored in separate leak proof HDPE drums, labeled as Hazardous Waste. Such wastes are being disposed off with the help of oil recyclers with due approvals from the Ministry of Environment, Forest and Climate Change. Total quantity of hazardous waste in the form of used oil from DG sets that falls under type 5.1¹ generated from the hospital is stored safely for disposal. 340 liters of used oil was handed over to M/s Mahavira Udyog, 5/11 Mile Stone, Bhiwani Road, Baniyani Village, Rohtak Dist. in Haryana, vide Manifest No. 335 (Form 10) dated 27.09.2019.

¹ *the Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008*

Annual return regarding hazardous waste in the prescribed Form – 4 was submitted to Haryana State Pollution Control Board (copy appended as Annexure-A2).

(d) E-Waste: The hospital has entered in to an agreement with M/s Green Vortex, E-11, Greenwoods City, Sector – 46, Gurgaon for appropriate collection and disposal of E-Wastes. There was no disposal of E-Waste during October 2018 and March 2019. Annual return, as a bulk consumer under e-waste rules, was submitted to Haryana State Pollution Control Board in the prescribed Form – 3 (copy appended as Annexure-A2).

1.3 Present Status of the Project

The existing project as per EC dated 19.07.2007 is under operational phase. The expansion project as per EC dated 27.09.2017 is under construction phase. However, due to orders from Hon'ble Supreme Court with regard to the air pollution in Delhi and National Capital Region (NCR), the construction is stopped and shall resume as per further orders.

1.4 Purpose of this Report

According to the section 10 (i) of EIA Notification, 2006, it is mandatory for the project management to submit half-yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year. This report is being submitted for the period from 01.04.2019 through 30.09.2019, which is due on 1st December 2019.

Further, submission of this report meets also the condition No. (ii) specified under the heading of Part-B: General Conditions of the Environmental Clearance letter vide No. 21-292/2007-IA.III dated July 19, 2007. Additionally, this compliance report shows post-project impacts of the project on the local environment.

1.5 Advertisements regarding EC for expansion project:

In compliance with EC condition 9 (xvi) as stated in EC dated 27.09.2019, advertisements were placed in two local newspapers, please refer annexure –A7.

1.6 Schedule for Next Half-Yearly Compliance Report:

The next half yearly progress report shall be submitted latest by 1st June 2020 at Northern Regional Office of the Ministry of Environment, Forest and Climate Change, Government of India with copies to the Haryana State Pollution Control Board and Regional Office of the Central Pollution Control Board.

2.0 Point wise report on compliance to conditions as stipulated in Environmental Clearance (vide letter No. 21-292/2007-IA.III dated July 19, 2007)

Period: 01.04.2019 to 30.09.2019

PART A – SPECIFIC CONDITIONS

I. Construction Phase: Construction phase complete in respect to EC dated 19th July 2019. However, the Ministry of Environment, Forest and Climate Change (MoEF&CC) has granted a new EC dated 27th September 2019 for project expansion. The period of reporting has very little significance with respect to the conditions laid with the recent EC. Moreover, the construction activities are stopped and could only be resumed as per GRAP and also grant of Consent-to-Establish (CTE) by the Haryana State Pollution Control Board.

II. Operation Phase: In progress

S. No.	Condition	Note on Compliance Status
1	Diesel power generating sets as source of backup power for lifts and common area illumination should be of "enclosed type" and conform to rules made under Environment (Protection) Act 1986, prescribed for air and noise emission standards as per CPCB guidelines. Exhausts should be discharged by stack, raised to 4 meters above the rooftop.	Acoustically treated DG sets are installed in the project as power back up for lifts and all emergency areas in the hospital. The DG sets conform to the prevailing rules made under Environment (Protection) Act 1986, prescribed for air and noise emission standards as per CPCB guidelines. Test Report No. 5450 through 5451 dated 31.10.2019 issued by NABL Accredited "M/s Ultratec Research & Analytik Labs, Gurgaon (Annexure-A1) may be referred. Exhausts are discharged by stack, raised above 4 meters (actually raised up to about 7.5 meters) from the rooftop.
2	During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations	During night time the noise levels measured at the boundary of the building were found to be 34.5 dB (A) and 33.9 dB (A), which is less than 45 dB (A). Test Report No. 5458 and 5459 dated 31.10.2019 issued by NABL Accredited "M/s Ultratec Research & Analytik Labs, Gurgaon (Annexure-A1) may be referred.
3	The sewage treatment plant of adequate capacity should be provided and it should be certified by an independent expert for adequacy as well as efficiency and submit a report in this regard to the Ministry before the project is commissioned for operation. The	One STP of 325 KLD capacity has been installed with provision to treat the wastewater. The treated wastewater that conforms to NGT Order dated 30 th April 2019 - is being reused as flushing water, cooling tower make-up water, and water for greenbelt. Test Report No. 5453 dated 31.10.2019 issued by NABL

S. No.	Condition	Note on Compliance Status
	wastewater should be treated up to tertiary level and after treatment reused for cooling, flushing, landscaping and gardening etc. However, discharge of treated sewage, if any, shall conform to the norms & standards prescribed by Haryana Pollution Control Board	Accredited "M/s Ultratec Research & Analytik Labs, Gurgaon (Annexure-A1) may be referred.
4	Rain water harvesting and ground water recharging shall be practiced. The ground water levels and its quality should be monitored regularly in consultation with the Central Ground Water Authority. Oil & Grease trap shall be provided to remove oil and grease from the surface run off and suspended matter shall be removed in a settling tank before its utilization for rainwater harvesting	Rain water harvesting to recharge the ground water is being practiced inside the project. The ground water quality is being monitored regularly for pre-monsoon and post-monsoon period. Self-explanatory schematic diagrams of the rainwater harvesting structure were submitted to authorities concerned in previous reports.
5	The solid waste generated should be properly collected & segregated. Biodegradable waste should be composted and non-biodegradable solid waste should be disposed of to municipal landfill sites after recovering recyclable waste. STP sludge shall be used as manure for gardening	The solid wastes generated are properly collected & segregated from the source of generation. Hospital being a sensitive area, composting may not be feasible. The hospital has entered in to an agreement with M/s A. B. Enterprises, Sector-56, Gurugram for appropriate collection, segregation and disposal as per prevailing Solid Waste Management Rules.
6	Bio-medical Waste including hazardous waste should be disposed of as per applicable Rules & norms with necessary approvals of the Haryana State Pollution Control Board	<p>Disposal of Bio-medical wastes is being attained by the help of M/s Biotic Waste Ltd. that is authorized by Haryana State Pollution Control Board. An authorization bearing No. BMW18GUNO5633747 has been obtained with validity up to 30.09.2019. Supporting document enclosed, please refer Annexure-A2.</p> <p>The used oil from DG sets is being stored in separate leak proof HDPE drums, labeled as Hazardous Waste. Such wastes are disposed off as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Copies of supporting documents attached, please refer Annexure-A2.</p>
7	The green belt design along the	A green belt along the periphery of the

S. No.	Condition	Note on Compliance Status
	periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous variety	hospital has been created to achieve the day and night noise standards prescribed for residential land use. Test Report No. 5458 and 5459 dated 31.10.2019 issued by NABL Accredited "M/s Ultratec Research & Analytik Labs, Gurgaon (Annexure-A1) may be referred.
8	Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project	<p>Monitoring of the ambient air quality, noise level, water quality and soil quality are being conducted on six-monthly basis to assess incremental pollution load. The ambient air quality monitoring was performed on 24 hourly basis for the parameters such as PM₁₀, PM_{2.5}, Sulfur Dioxide (as SO₂), Oxides of Nitrogen (as NO₂), Carbon Monoxide (as CO) Ozone as O₃ and Ammonia as NH₃. All the parameters were observed to be within the permissible limits prescribed in Central Pollution Control Board's National Ambient Air Quality Standards for Residential Areas. Test Report No. 5455 and 5456 dated 31.10.2019 issued by NABL Accredited "M/s Ultratec Research & Analytik Labs, Gurgaon (Annexure-A1) may be referred.</p> <p>Ambient noise level monitoring was conducted for 24 hours. The day and night time L_{eq} values were recorded by means of a noise level meter. Instant Sound Pressure Level from DG sets was also recorded.</p> <p>Ground Water Quality was monitored with reference to SO No. 2151 dated 17.06.2005 issued by the Ministry of Environment, Forests & Climate Change, Govt. of India and the test results were correlated with the requirements of IS 10500: 2012. Test Report No. 5460 and 5461 dated 31.10.2019 issued by NABL Accredited "M/s Ultratec Research & Analytik Labs, Gurgaon (Annexure-A1) may be referred.</p>
9	Prior permission of the Central Ground Water Authority should be obtained for the utilization of ground water	Prior permission for use of ground water was obtained from Central Ground Water Authority vide their letter No. 40-4/GUR-Artemis/CGWA/2007-1492 dated

S. No.	Condition	Note on Compliance Status
		December 11, 2007 (copy attached, please see Annexure-A3)
10	The Solar energy shall be used for water heating as well as lighting common areas and verifiable measures shall be adopted for energy conservation and water conservation	Implementation of 100kw solar energy plant is in process. A Purchase Order bearing No. 9000001881 Dated 10.12.2016 has been issued in favour of M/s Godrej & Boyce Manufacturing Co. Ltd. (copy already submitted as an attachment in Annexure-A8 in the half-yearly compliance report for the period ending 31 st March 2018). However, the installation worked could be resumed with the expansion project.
11	Report on the energy conservation measures should be prepared incorporating details about building materials & technology, R & U Factors etc and submitted to the Ministry in three months' time	Latest Energy Audit was carried out in 2018 and a 134 page report was issued by M/s KBS Certification Services Pvt. Ltd. on 3 rd November 2018. Major findings are appended to this report as Annexure A7
12	The values of R & U for the building envelope should meet the requirements of the hot & humid climatic location. Details of the building envelope should be worked out and furnished in three months' time	Earlier, in 2013, a detailed Energy Audit was conducted by M/s Acclaim Technology Services India Pvt. Ltd., Chennai and report has been submitted to Monitoring Authority. Latest Energy Audit was carried out in 2018 and a 134 page report was issued by M/s KBS Certification Services Pvt. Ltd. on 3 rd November 2018. Major findings are appended to this report as Annexure A7 subsequent audit, please refer Annexure-A7.

PART B – GENERAL CONDITIONS

S. No.	Condition	Note on Compliance Status
1	The environmental safeguards contained in the documents should be implemented in letter and spirit.	The environmental safeguards contained in the documents are being implemented with spirit.
2	Provision should be made for the supply of kerosene or cooking gas and pressure cooker to the labourers during construction phase.	Complied and reports submitted to Authorities concerned during construction phase.
3	All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Adequate preventive and protective measures shall be	Complied and reports submitted to Authorities concerned during construction phase.

S. No.	Condition	Note on Compliance Status
	taken to protect workers, labourers etc during construction and operation phase of the project.	
4	6 monthly monitoring reports should be submitted to the Ministry and its Regional Office.	6 monthly monitoring reports are being submitted to the Northern Regional Office of MoEF&CC at Chandigarh, regularly. This report is for the period 01.04.2019 to 30.09.2019.
5	Officials from the Regional Office of MoEF, Chandigarh, who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to the MoEF should be forwarded to the CCF, Regional Office of MoEF, Chandigarh.	A complete set of all the documents has been already forwarded to the CCF, Regional Office of MoEF&CC, Chandigarh.
6	In case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Expansion of the project has been proposed and the appraisal is under consideration by Competent Authority.
7	The Ministry 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 Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted.
8	All the statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, State Forest Department, Wildlife Act, 1972 etc. shall be obtained by the project proponents from competent authorities.	(1) Licence No.P/NC/HN/15/1312 (P184960) Dated 29.06.2009 issued by Jt. Chief Controller of Explosives has been renewed up to 31.12.2019 (Please refer Annexure – A3) (2) Permission for regular water supply connection vide Memo No. 4098-99 dated 19.03.2018 has been obtained from the Office of the Executive Engineer, HSVP, Division No. III, Gurugram (Please refer Annexure – A3)

S. No.	Condition	Note on Compliance Status
9	A copy of the environmental clearance should be marked to the local NGO(s) for their information.	Complied.
10	The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearances letters are available with the Haryana State Pollution Control Board and may also be seen on the website http://www.envfor.nic.in . The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Chandigarh.	Complied.
11	The stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability (Insurance) Act, 1991.	Latest copies of Water Consent and Air Consent annexed as Annexure-A4, may be referred.
12	The project authority will ensure regular operation and maintenance of the assets created.	The project authority strives with right spirit to regularly operate and maintain the assets created.

3. Environmental Surveillance Monitoring Report

3.1 General:

Environmental monitoring was performed by NABL Accredited¹ M/s Ultratec Research & Analytik Labs, an environmental laboratory being operated from Plot No. 115, Sagar Enclave, Daulatabad Road Industrial Area, Sector-104, Gurgaon 122 006. The laboratory has also been granted consent by Haryana State Pollution Control Board.

3.2 Objective:

The foremost purpose of environmental monitoring and analysis was to examine the results and data to evaluate performance of pollution control strategies and compliance level. On this basis, further improvement could be implemented to bring down the pollution level by installation of any new and additional control measures, if required. Nevertheless, the objective of the present study is confined to the project and its surrounding environment by evaluating the quality of ground water, ambient air, soil, air emission and noise etc. This also complies with the specific conditions given in the environmental clearance.

3.3 Planning for environmental monitoring

The surveillance monitoring was planned to assess all the relevant parameters of environmental components such as air, noise, water, land etc. The following samples were collected during 20th – 21st September 2019: -

3.3.1 **Ambient Air Quality** at two locations for PM_{2.5}, PM₁₀, SO₂, NO_x, CO, O₃ and NH₃

3.3.2 **Ambient Noise Monitoring** at two locations inside the hospital

3.3.3 **Source Noise** from DG sets (2 No.)

3.3.4 **Sampling & Testing of Ground water samples** (2 No.) Parameters with reference to "Uniform Protocol on Water Quality Monitoring Order, 2005" vide S.O. 2151 dated 17th June, 2005 Ministry of Environment, Forest and Climate Change, New Delhi.

¹ vide Certificate No. TC-6744

3.3.5 **Sampling & Testing of soil samples** (1 No.) for Parameters: pH, Conductivity, Water Content, Water Retention Capacity, Organic Matters, Exchangeable Calcium, Available Nitrogen, Available Phosphorous, Available Potassium, Soluble Sulphate and Boron.

3.3.6 **Sampling & Testing of Untreated and Treated Wastewater samples** (4 No.) from STP Inlet and Outlet for Parameters: pH, TSS, BOD₃ at 27°C and Faecal Coliform. ETP Inlet and Outlet for Parameters: pH, TSS, BOD₃ at 27°C, COD and Oil & Grease.

3.3.7 **Sampling & Testing of Stack emission samples** (2 No.) From DG sets for parameters: PM, NO₂, CO, NMHC as C, O₂

3.4. Methodology:

3.4.1 Ambient Air Quality:

3.4.1.1 Sampling Locations:

Ambient air samples were collected from three locations. The locations of the ambient air quality monitoring locations are given in Table 3.1.

Table 3.1 Details of Ambient Air Quality Monitoring Locations

S. No.	Location No.	Monitoring Location	Environmental Setting
1.	AAQ-1	Upward wind direction	Mixed
2.	AAQ-2	Downward wind direction	Residential / Sensitive

3.4.1.2 Ambient Air Quality Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

- a) Respirable Suspended Particulate Matters of size less than 2.5 µm (PM_{2.5})
- b) Respirable Suspended Particulate Matters of size less than 10 µm (PM₁₀)
- c) Sulphur Dioxide (SO₂)
- d) Oxides of Nitrogen (NO₂)
- e) Carbon Monoxide (CO)
- f) Ozone (as O₃)
- g) Ammonia (as NH₃)

The monitoring was conducted by calibrated Respirable Dust Sampler of Envirotech Make, Model APM 460 and calibrated Envirotech Make PM_{2.5} sampler model APM550 Mini and Ecotech Instruments Make PM_{2.5} sampler AAS 127.

Aforesaid monitoring for all parameters except O₃ and CO was conducted for 24 hours. Grab sample of ambient air was taken to analyze CO, while O₃ was monitored on 1-hourly basis. The test protocols would be noted in Table 3.2.

Table 3.2 Methods of Ambient Air Monitoring & Analysis

Description	Methods of Measurement	Standard Method
Sampling plan	Sampling	IS- 5182(Part 14)
PM _{2.5}	Gravimetric	UL/STM/A/11 ²
PM ₁₀	-do-	IS- 5182 (Part 23)
SO ₂	Improved West & Geake Method	IS- 5182 (Part 2)
NO ₂	Jacob Hochheister Method	IS- 5182 (Part 6)
CO	Gas Chromatographic	IS- 5182 (Part 10)
O ₃	Colorimetric Measurement	IS- 5182 (Part 9)
NH ₃	Colorimetric Measurement	APHA Method No. 504

3.4.2 Noise Level Monitoring:

3.4.2.1 Noise Monitoring Locations

The main objective of noise monitoring in the study area is to assess the present ambient noise levels in project site and project boundary due to various operational activities and increased vehicular movement. Details of ambient noise monitoring are given in **Table 3.3**.

Table 3.3 Details of Ambient Noise Monitoring Locations

S. No.	Location No.	Location Name/ Description	Present Land use
1.	N1	Inside hospital premises, towards upward wind direction at about 1 m distance from boundary	Residential
2.	N2	Inside hospital premises, towards downward wind direction at about 1 m distance from boundary	Mixed

Alongside, the ambient noise level monitoring, source noise from DG sets was also monitored. Details of DG sets subjected to noise monitoring are given in **Table 3.4**.

Table 3.4 Details of Source Noise Monitoring Locations

S. No.	DG Set Engine No.	Capacity of DG Set	Acoustic Treatment Status
1.	25316577	1250 kVA	Acoustic Enclosure provided
2.	25316808	1250 kVA	Acoustic Enclosure provided

²SOP based on CPCB Guidelines: NAAQS Monitoring & Analysis Guidelines Volume-I, Central Pollution Control Board, May, 2011, Page 15; Guidelines for sampling and analysis protocol for PM_{2.5} in ambient air

3.4.2.2 Methodology of Noise Monitoring

Noise level in ambient and source was monitored by using a calibrated Sound Level Meter of Envirotech make, Model No. SLM-100. The instrument has a range to record noise level between 30 – 130 dB.

Ambient noise level was monitored inside, with reference to IS 9989 the hospital premises at selected location for day and night time, continuously for 24 hours. Day time was reckoned in between 6 AM to 10 PM while between 10 PM to 6 AM, it was considered as night time³. The noise equivalent levels (Leq) were recorded at different locations and reported in the unit of dB (A).

Method specified in IS 7194 was followed to measure Sound Pressure Level (SPL) from acoustic enclosed DG sets was taken at a distance of 0.5 meter (before and after acoustic treatment) from the source and reported in dB (A).

3.4.3 Ground Water Quality Monitoring:

Keeping in view the importance of depleting ground water resource, which is often used as drinking water by a part of local population, it becomes a necessity to assess ground water quality in the post-project scenario. Two samples were collected from the approved bore wells commissioned in the project site to test the post-project impacts of the hospital on the groundwater quality. Grab samples were collected and tested for parameters with reference to "Uniform Protocol on Water Quality Monitoring Order, 2005" vide S.O. 2151 dated 17th June, 2005 Ministry of Environment and Forests, New Delhi. The samples were collected in clean and dry containers and preserved in ice box in the manner, as prescribed in IS 3025 (Part 1). The samples were transported to the laboratory with apt preservation. Ground water sampling location and sample code has been given in **Table 3.5**. Details of groundwater test parameters and methods are given in **Table 3.6**. The test results were analyzed with reference to the Indian Standards Specification for Drinking water IS 10500: 2012.

³Reference: *Schedule of the Noise Pollution (Regulation and Control) Rules, 2000*

Table 3.5: Groundwater Sampling Locations

S. No.	Sample Id	Location Name	Present Land use
1.	Bore well 1	Inside greenbelt near main entrance	Hospital
2.	Bore well 2	Inside greenbelt near emergency	Hospital

Table 3.6 Ground water test parameters and test methods

S. No.	Parameters	Measurement Methods	Method of Analysis
1	Colour	IS 3025 (Part -4)	Color Comparison
2	Odour	IS 3025 (Part -5)	Manual
3	Turbidity	IS 3025 (Part-10)	Nephelometric
4	pH Value	IS 3025 (Part-11)	Electrometric
5	Conductivity	IS 3025 (Part-14)	Electrometric
6	Total Dissolved Solids	IS 3025 (Part-16)	Gravimetric
7	Boron as B	IS 3025 (Part-57)	Colourimetric
8	Calcium as Ca	IS 3025 (Part-40)	Titrimetric
9	Chemical Oxygen Demand	IS 3025 (Part-58)	Colourimetric
10	Chlorides as Cl	IS 3025 (Part-32)	Titrimetric
11	Fluorides as F	IS 3025 (Part-60)	Colourimetric
12	Iron as Fe	IS 3025 (Part-53)	Colourimetric
13	Magnesium as Mg	IS 3025 (Part-46)	Titrimetric
14	Nitrate as NO ₃ ⁻	IS 3025 (Part-34)	Colourimetric
15	(o)-Phosphate	IS 3025 (Part-31)	Colourimetric
16	Potassium as K	IS 3025 (Part-45)	Flame Photometric
17	Sodium as Na	IS 3025 (Part-45)	Flame Photometric
18	Sulphates as SO ₄	IS 3025 (Part-24)	Colourimetric
19	Total Hardness as CaCO ₃	IS 3025 (Part-21)	Titrimetric
20	Total Alkalinity as CaCO ₃	IS 3025 (Part-23)	Titrimetric
21	Total Coliform*	IS:1622	Incubation
22	E Coli*	IS:1622	Incubation

3.4.4. Soil Quality Analysis:

Top soil is rich in organic content and nutrients for vegetation. During project development stage some inevitable disturbances caused to the existing soil conditions, soil erosion, instability and overall change in the microclimate and drainage pattern of the site. Erosion, by the action of water, wind and ice, is a natural process in which soil and rock material get loose and removed. Unlike geological erosion the man-made erosion accelerates the natural erosion process, including the breakdown of soil aggregates and the increases removal of organic and mineral particles. Thus, it becomes indispensable to assess quality of top soil. One composite sample of top soil, from a depth of nearly 6" to 9", was collected from the hospital premises. The sample was preserved in clean and lock-in

polyethylene and safely transported to the laboratory for testing. The methods of measurement for various parameters in soil sample is listed in **Table 3.8** below.

Table 3.7: Soil Sampling Location

S. No.	Location Name	Present Land use
1.	Samples collected from different locations and a composite sample was prepared	Hospital

Table 3.8: Methods of Analysis of Soil Sample⁴

S. No.	Parameters	Test Protocol
1	pH Value at 25°C	IS: 2720 Pt 26
2	Conductivity at 25°C	IS: 2720 Pt 19
3	Water Contents	IS: 2720 Pt 2
4	Water Retention Capacity	IS:14765
5	Organic Matters	IS: 2720 Pt 22
6	Available Nitrogen	UL.STM.S.03
7	Available Phosphorous as P ₂ O ₅	UL.STM.S.04
8	Available Potassium as K ₂ O	UL.STM.S.05
9	Exchangeable Calcium	UL.STM.S.10
10	Soluble Sulphates as Na ₂ SO ₄	IS: 2720 Pt 27
11	Boron as B	UL.STM.S.06
12	Texture based soil classification	UL.STM.S.07

3.4.5. Air Emission Characteristics:

Without considering the latest expansion project, the hospital is facilitated with two Diesel Generator Sets with capacity 1250 KVA, each. Engine No. of the Diesel Generator Sets are 25316577 and 25316808, respectively. The air emission samples were drawn from the rooftop of the hospital building, where the sampling portholes are provided. Monitoring of air emission from both the Diesel Generators was carried out considering all aspects of IS 11255 and guidelines established by the Central Pollution Control Board, Ministry of Environment, Forest and Climate Change. As the Diesel Generator sets were commissioned after 01.07.2005 and the area falls under Category A: Areas within the municipal limits of towns/cities having population more than 10 lakhs and also up to 5 km beyond the municipal limits of such towns/cities; the monitoring was carried out for all parameters as notified by the Environment (Protection) Third Amendment Rules 2002, vide G.S.R. 489 (E), dated 9th July, 2002 at Serial No. 96, under the Environment (Protection) Act, 1986. Method of sampling and testing are as follows: –

⁴UL.STM.S refers to standard test procedures based on Methods Manual - Soil Testing in India, Department of Agriculture & Cooperation, Ministry of Agriculture, Government of India, New Delhi, January, 2011

Table 3.9: Standard Methods followed for stack emission monitoring

S. No.	Parameters	Methods of Measurement	Method of Analysis
1	Particulate Matters	IS: 11255 (Part 1)	Gravimetric
2	Oxides of Nitrogen	IS: 11255 (Part 7)	Colourimetric
3	Carbon Monoxide	USEPA Method 10	Gas Chromatographic
4	NMHC ⁵ as C	USEPA Method 2002	Gas Chromatographic
5	Oxygen as O ₂	IS 13270	Volumetric

3.4.6. Characterization of treated and untreated Effluent:

The hospital is facilitated with STP and ETP to treat domestic effluent as well as effluent from hospital operation. Common parameters were tested for treated effluent from ETP and STP. The test methods have been given in the following table: -

Table 3.10: Standard Methods followed for testing of treated & untreated effluent

S. No.	Parameters	Methods of Measurement	Method of Analysis
1	pH Value	IS: 3025 (Pt-11)	By use of pH meter
2	Total Suspended Solids	IS: 3025 (Pt-17)	Gravimetric
3	BOD ₃ at 27°C	IS: 3025 (Pt-44)	Incubation & Titrimetric
4	COD	IS: 3025 (Pt-58)	Digestion & Titrimetric
5	Total Nitrogen	IS: 3025 (Pt-34)	Digestion & Titrimetric
6	Oil & Grease	IS: 3025 (Pt-39)	Partition Gravimetric
7	Faecal Coliform	IS 1622	Incubation

3.5 Results and Discussions:**3.5.1 Ambient Air Quality Monitoring Results**

The monitoring results of PM_{2.5}, PM₁₀, SO₂, NO₂, CO, O₃ and NH₃ are presented in **Table 3.11**. The

Table 3.11: Ambient Air Quality Monitoring Results

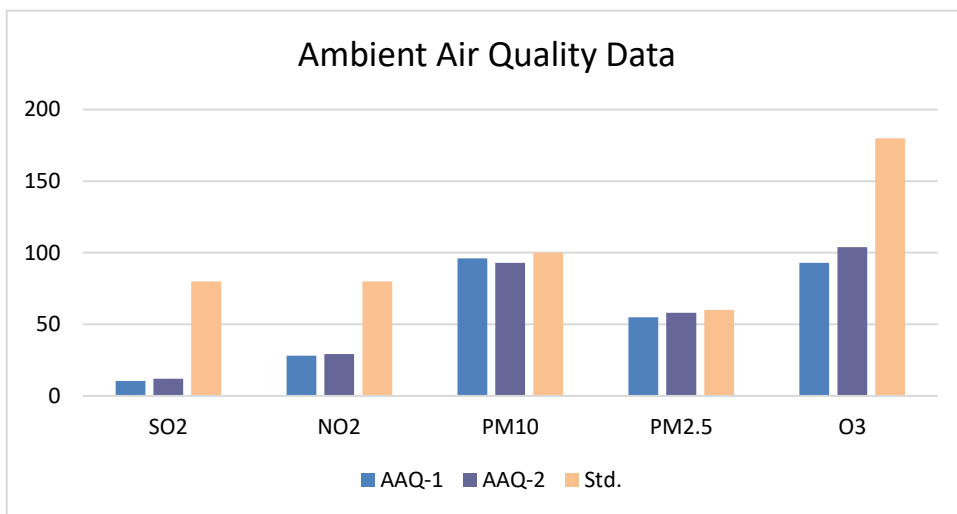
S. No.	Location No.	SO ₂	NO ₂	PM ₁₀	PM _{2.5}	O ₃	CO	NH ₃
1.	AAQ-1	10.4	28	96	55	93	2.16	170
2.	AAQ-2	12.1	29.2	93	58	104	2.30	191

Unit: all units except CO in µg/m³ and Unit of CO is mg/m³

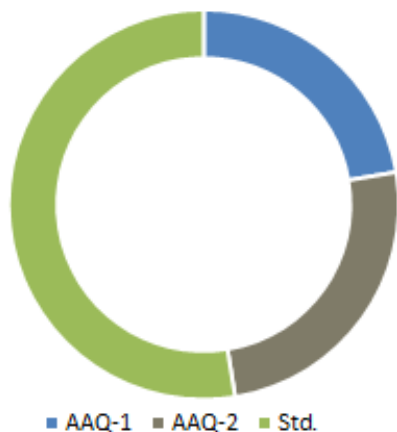
All parameters subject to testing in the ambient air were found to be within limits specified in NAAQS 2009 at all locations. However, the maximum value for PM₁₀ was found in the upward wind direction, while the maximum values for PM_{2.5}, SO₂, NO₂, CO, O₃ and NH₃, were found in the downward wind direction. This could be due to nearby construction works and windblown dust from open land.

⁵Non-methane Hydrocarbon

Figure-1: Graphical representation of Ambient Air Quality



Conc. of NH₃ in Ambient Air



Conc. of CO in Ambient Air



3.5.2 Ambient Noise Levels

Day Leq:

Noise equivalent level during day time (Leq day) was recorded to be 54.3 dB (A) in the upward wind direction and 54.1 dB (A) in the downward wind direction of the project - at about 1 m distance from boundary inside project. This value falls within limit for residential area i.e. 55 dB (A) as prescribed in Schedule of The Noise Pollution (Regulation and Control) Rules, 2000. This also complies with the condition stipulated in Environmental clearance vide letter No. 21-292/2007-IA.III dated July 19, 2007.

Night Leq:

Noise equivalent level during night time (Leq night) was recorded to be 34.5 dB (A) in the upward wind direction and 33.9 dB (A) in the downward wind direction

of the project - at about 1 m distance from boundary inside project. This value falls within limit for residential area i.e. 45 dB (A) as prescribed in Schedule of The Noise Pollution (Regulation and Control) Rules, 2000. This also complies with the condition stipulated in Environmental clearance vide letter No. 21-292/2007-IA.III dated July 19, 2007.

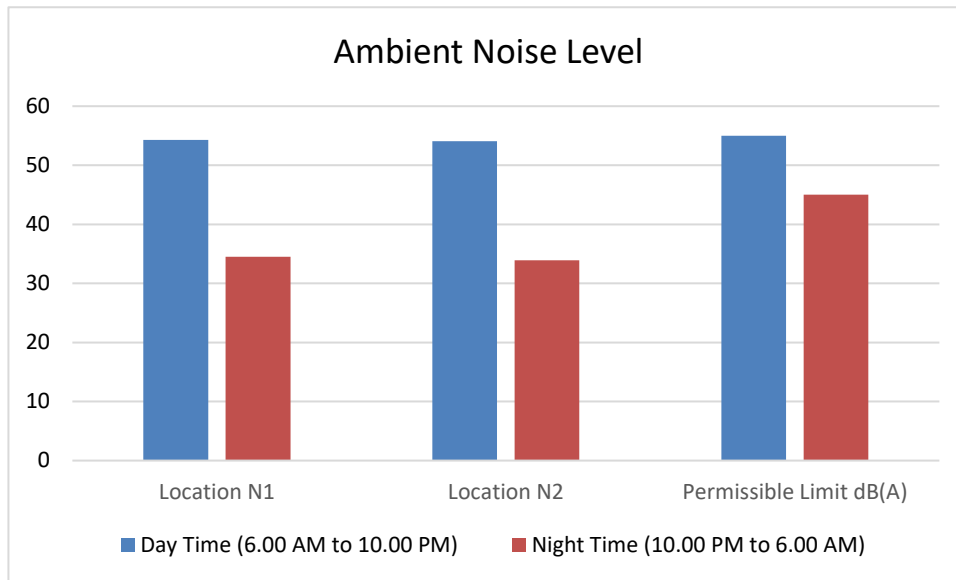


Figure-2: Graphical representation of Ambient Noise Level

3.5.3 Source Noise Levels

Total insertion loss after acoustic treatment of DG sets was found to be 25.4 and 25.3 dB (A), respectively. Therefore, DG set noise conforms to the requirement of acoustic treatment being designed for minimum 25 dB (A) insertion loss.

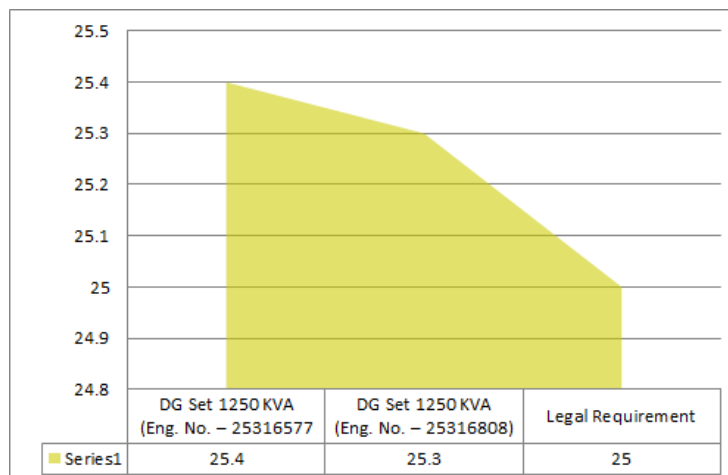


Figure-3: Graph showing of Insertion Loss in acoustically treated DG sets

3.5.4. Ground Water Quality:

3.5.4.1. The test results of bore well water samples are given in table 3.12.

Table 3.12: Bore well water Quality Monitoring Results

S. No.	Parameters	Units	Bore Well No. 1	Bore Well No. 2	Standard*
1	Colour	Hazen	< 5	< 5	5(15)
2	Odour	-	Agreeable	Agreeable	Agreeable
3	Turbidity	NTU	1.2	1.6	1(5)
4	pH Value at 25°C	-	7.53	7.9	6.5-8.5
5	Conductivity at 25°C	µmhos/cm	799	1036	-
6	Total Dissolved Solids	mg/L	450	580	500 (2000)
7	Boron as B	mg/L	0.13	0.14	0.5 (1)
8	Calcium as Ca	mg/L	41	52	75 (200)
9	Chlorides as Cl	mg/L	64.2	74	250 (1000)
10	Fluorides as F	mg/L	0.61	0.67	1.0 (1.5)
11	Iron as Fe	mg/L	0.18	0.22	0.3 (0.3)
12	Magnesium as Mg	mg/L	7.1	8.6	30 (100)
13	Nitrate as NO ₃ ⁻	mg/L	17	20	45 (45)
14	o-Phosphate as P	mg/L	0.73	0.75	-
15	Potassium as K	mg/L	20	26	-
16	Sodium as Na	mg/L	104	145	-
17	Sulphates as SO ₄	mg/L	49	56	200 (400)
18	Total Alkalinity as CaCO ₃	mg/L	216	317	200 (600)
19	Total Hardness as CaCO ₃	mg/L	131	164	200 (600)
20	COD	mg/L	<20	<20	-
21	Total Coliform*	MPN/100ml	Absent	Absent	**
22	Faecal Coliform*	MPN/100ml	Absent	Absent	**

*Requirement (Permissible Limit)

** Not to be detected in 100 ml

3.5.4.2. Discussion on Groundwater Quality Results

3.5.4.2.1 Physical & Chemical Parameters:

1. Colour: Both the samples were found to be characterized with <5 Hazen units – the acceptable limit.
2. Odour: Both the samples were found to be bearing agreeable odour, thus meeting the acceptable limit.
3. Turbidity: Turbidity value in both the samples was found to be 1.2 and 1.6 NTU, respectively, which is exceeding requirement of 1 NTU but within permissible limit of 5 NTU.
4. pH value: pH value in the ground water samples were found to be 7.53 and 7.9, respectively that falls within the acceptable limit.
5. Conductivity: IS 10500, 2012 does not specify any standard for this parameter. The significance of this parameter lies on the fact that this has technical correlation with the total dissolved solids value of water samples. Conductivity was found to be 799 and 1036 µmhos/cm.
6. Total Dissolved Solids: Concentration of TDS was found to be 450 and 580 mg/L, respectively. Therefore, TDS in water from bore well 1 was found to be within the acceptable limit of 500 mg/L, while sample from bore well 2 was

found to have TDS value within the permissible limit but exceeds acceptable limit of 2000 mg/L.

7. Boron as B: Boron was measured to be 0.13 and 0.14 mg/L in the samples, respectively. Both the values are within the acceptable limit of 0.5 mg/L.
8. Calcium as Ca was found to be within the acceptable limit of 75 mg/L, as it was 41 and 52 mg/L, respectively in the bore well 1 and 2.
9. Chemical Oxygen Demand (COD): COD found to be less than 10 mg/L in both samples. Indian Standards Specification for Drinking Water IS: 10500, 2012 does not specify any limit for COD. However, as the values of COD was found to be <20mg/L, there is no need to further test BOD in the samples.
10. Chlorides as Cl⁻: Concentration of Chlorides as Cl⁻ was observed to be 64.2 and 74 mg/L, respectively. Both the values are within the acceptable limit of 250 mg/L.
11. Fluorides as F⁻: was recorded to be 0.61 and 0.67 mg/L, respectively. Both the values are within the acceptable limit of 1.0 mg/L.
12. Iron as Fe: Test result of iron as Fe was recorded to be 0.18 and 0.22 mg/L, respectively. Both the values are within the acceptable limit of 0.3 mg/L.
13. Magnesium as Mg was found to be 7.1 and 8.6 mg/L, respectively, which is within the acceptable limit of 30 mg/L.
14. Nitrate: Nitrate was measured to be 17 and 20 mg/L, respectively. Both the values are within the acceptable limit of 45 mg/L.
15. Dissolved Phosphate as P: was observed to be 0.73 and 0.75 mg/L, respectively. There is no standard specified for this parameter in the Indian Standards Specification for Drinking Water IS: 10500, 2012.
16. Potassium: was observed to be 20 and 26 mg/L, respectively. There is no standard specified for this parameter in the Indian Standards Specification for Drinking Water IS: 10500, 2012.
17. Sodium: Observed value of Na was found to be 104 and 145 mg/L, respectively. There is no standard specified for this parameter in the Indian Standards Specification for Drinking Water IS: 10500, 2012.
18. Sulphate: Concentration of Sulphates as SO₄²⁻ was observed to be 49 and 56 mg/L, respectively, which is within the acceptable limit of 200 mg/L.
19. Total Alkalinity as CaCO₃: was found to be 216 and 317 mg/L, respectively. Hence, Total Alkalinity as CaCO₃ in both the water samples fail to meet acceptable limit but within the permissible limit but exceeds requirement of 600 mg/L.
20. Total Hardness as CaCO₃: was found to be 131 and 164 mg/L, respectively. Thus, sample drawn from bore well 1, and also from bore well 2 meets the acceptable limit of 200 mg/L.

3.5.4.2.2 Bacteriological Parameters:

1. **Total Coliform:** There was no trace of Total Coliform bacteria, therefore, the ground water quality, meets requirements of Indian Standards Specification for Drinking Water IS: 10500, 2012 specific to this parameter.
2. **E-Coli:** E-Coli bacteria was also not found to be present, therefore, the ground water quality, meets requirements of Indian Standards Specification for Drinking Water IS: 10500, 2012 specific to this parameter.

Ground Water Trend Analysis September 2019

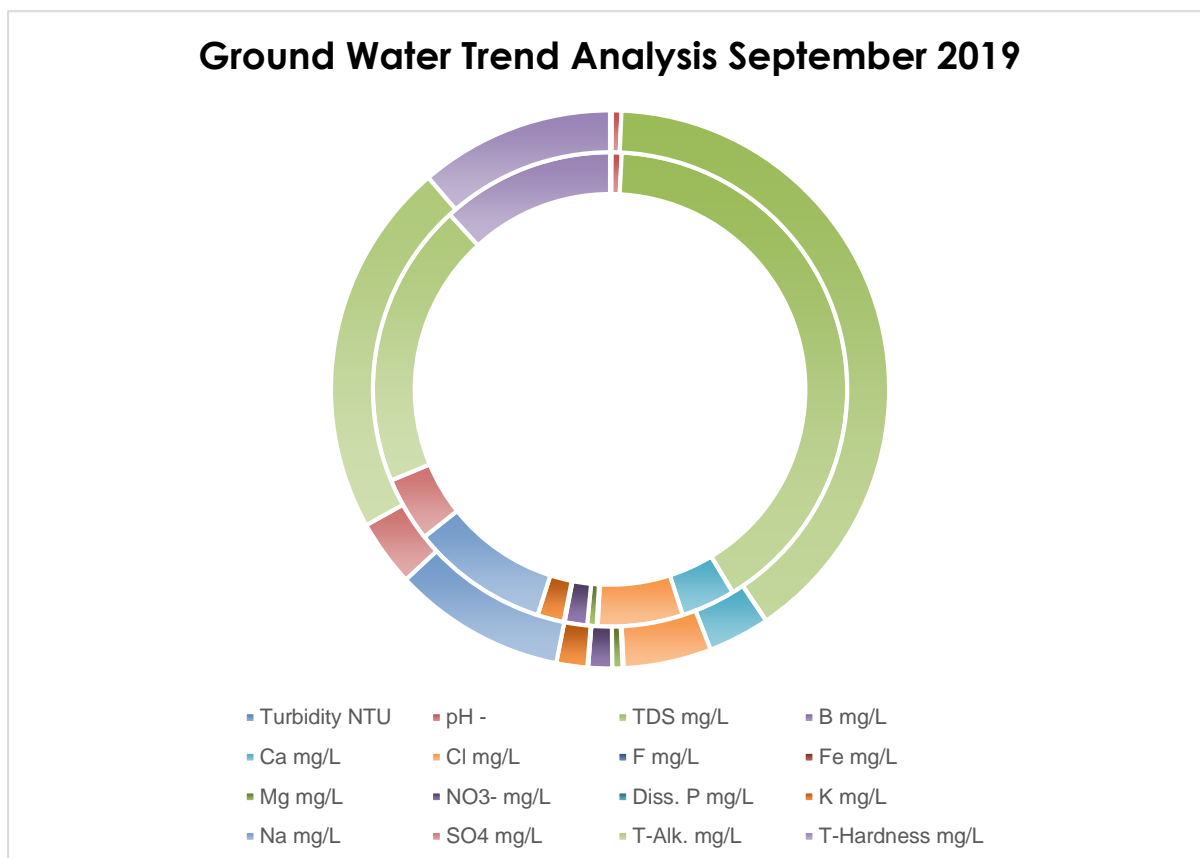


Figure-4: Graphical representation of Ground Water Quality

3.5.5. Soil quality:

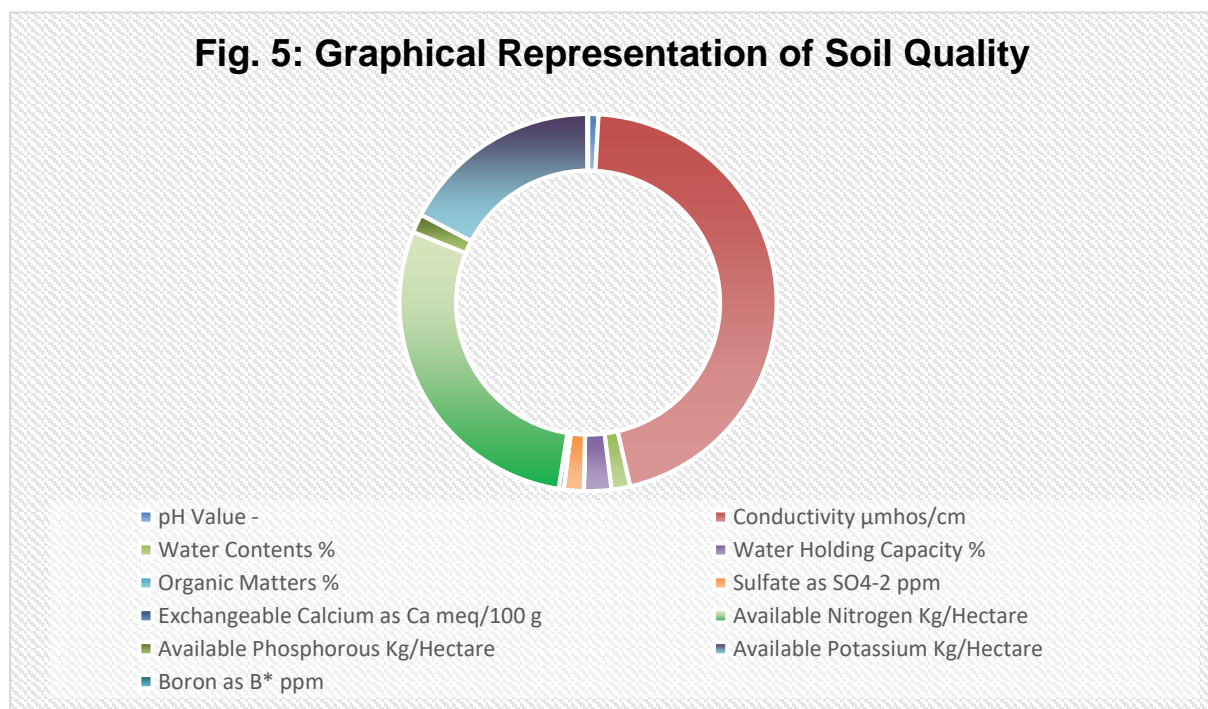
3.5.5.1 The physico-chemical characteristics of the soil, as obtained from the analysis of the soil sample, are presented in **Table 3.13**.

Table 3.13: Soil Testing Results

S. No.	Parameters	Units	Observed Values	Test Protocol
1	pH Value at 25°C	-	8.36	IS: 2720 Pt 26
2	Conductivity at 25°C	µmhos/cm	428	IS: 2720 Pt 19
3	Water Contents	%	15	IS: 2720 Pt 2
4	Water Holding Capacity	%	22	IS:14765
5	Organic Matters	%	0.2	IS: 2720 Pt 22
6	Sulfate as SO ₄ ⁻²	ppm	16	UL.STM.S.03
7	Exchangeable Calcium as Ca	meq/100 g	3.98	UL.STM.S.04
8	Available Nitrogen	Kg/Hectare	269	UL.STM.S.05
9	Available Phosphorous	Kg/Hectare	15	UL.STM.S.10
10	Available Potassium	Kg/Hectare	162	IS: 2720 Pt 27
11	Boron as B*	ppm	0.58	UL.STM.S.06
12	Texture based soil Classification*	-	Sandy Clay Loam	UL.STM.S.07

3.5.5.2. Discussion on Soil Test Results

- (1) The pH value was found to be 8.36 that is exceeding the desired range for horticultural purpose, i.e. 5.5–7.5. This could have been due to the application of fertilizers and manures and also because of the use of groundwater and treated wastewater, as well as the construction activities for the expansion project. Based on soil pH values, soil reactions both the samples are characterized as “slightly alkaline”. However, a slight reduction in the pH value was observed as compared to the last six-monthly monitoring.
- (2) Electrical conductivity in the soil sample was recorded to be 0.428 milimhos/cm, which is also slightly reduced as compared to the last six-monthly monitoring.
- (3) Organic matters in the sample was found to be 0.2%. Organic carbon concentration was 0.12 %. Hence, the soil sample could be rated as low fertility as compared to organic matters and be characterized as containing the desired optimum level of organic carbon (0.5 - 1.0%)⁶.
- (4) With reference to table 1.4, rate chart for soil test values (as described in the following footnote), the soil samples could be characterized as sufficient in concentration of basic inorganic nutrients i.e. available nitrogen, phosphorus and potassium.



⁶Reference table 1.4: Rating chart for soil test values of primary nutrients, Manual on norms and standards for environmental clearance of large construction projects

3.5.6. Air emissions from DG set stacks:

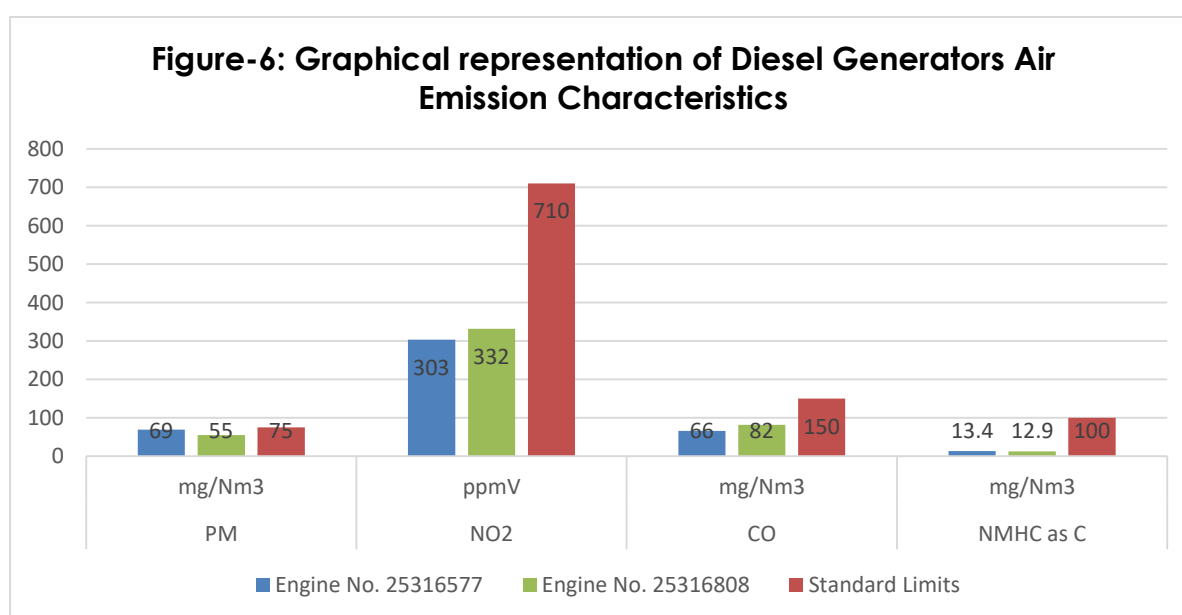
There were two Diesel Generator sets with acoustic treatment and silencer installed and in operational condition at the time of surveillance monitoring. Both the DG sets were found to be of capacity above 800 kW. The stack emission characteristics of DG Sets are given below:

Table 3.14: Stack Emission Results

S. No.	Parameters	Unit	Engine No.25316577	Engine No. 25316808	Standard Limits
1	Particulate Matters	mg/Nm ³	69	55	75
2	Oxides of Nitrogen as NO ₂	ppmV	303	332	710
3	Carbon Monoxide as CO	mg/Nm ³	66	82	150
4	NMHC as C	mg/Nm ³	13.4	12.9	100

(All results normalized to 15% O₂)

Both the DG sets comply with the standards considered as applicable for DG sets commissioned on or after 01.07. 2005 for Category A: Areas within the municipal limits of towns/cities having population more than 10 lakhs and also up to 5 km beyond the municipal limits of such towns/cities. Emission Standards for Diesel Engines (Engine Rating more than 0.8 MW (800 KW) were notified by the Environment (Protection) Third Amendment Rules 2002, vide G.S.R. 489 (E), dated 9th July, 2002 at Serial No. 96, under the Environment (Protection) Act, 1986.



3.5.7. Characterization of Effluent:

3.5.7.1 Sewage Treatment:

One sewage treatment plant (STP) of capacity is 325 KLD has been installed and operated in the hospital project to treat the wastewater up to tertiary phase. The treated wastewater is being used to meet 100% requirement for toilet flushing and watering greenbelt.

3.5.7.2. Effluent Treatment:

One effluent treatment plant (ETP) has been installed in the hospital project to treat the wastewater generated from sources other than sewage. Capacity of the ETP is 25 KLD. The ETP treats biodegradable wastewater containing high BOD and COD.

Table 3.15: Results of treated and untreated sewage

S. No.	Parameters	Units	Results		Standards
			"Untreated Sewage"	"Treated Sewage"	
1	pH	-	6.88	7.59	5.5-9.0
2	TSS	mg/l	106	16	20
3	BOD ₃ at 27°C	mg/l	100	9	10
4	COD	mg/l	279	44	50
5	Total Nitrogen	mg/l	36.7	5.9	10
6	Faecal Coliform*	**	920000	220	230

Table 3.16: Results of treated and untreated effluent.

S. No.	Parameters	Units	Results		Standards
			"Untreated Effluent"	"Treated Effluent"	
1	pH	-	5.98	6.84	5.5-9.0
2	TSS	mg/l	66	25	100
3	BOD ₃ at 27°C	mg/l	167	25	30
4.	COD	mg/l	639	96	250
4	Oil & Grease	mg/l	11.6	0.8	10

The treated sewage quality meets limits specified in the National Green Tribunal (NGT) Order dated 30th April 2019. The treated effluent quality meets requirement specified in the limits given under General Standards for Discharge of Environmental Pollutants (Part-A): Effluents, as given in Schedule-VI, inserted by Rule 2(d) of Environment (Protection) Second Amendment Rules, 1993 notified by GSR 422(E) dated 19.05.1993 published in Gazette No. 174 dated 19.05.1993.

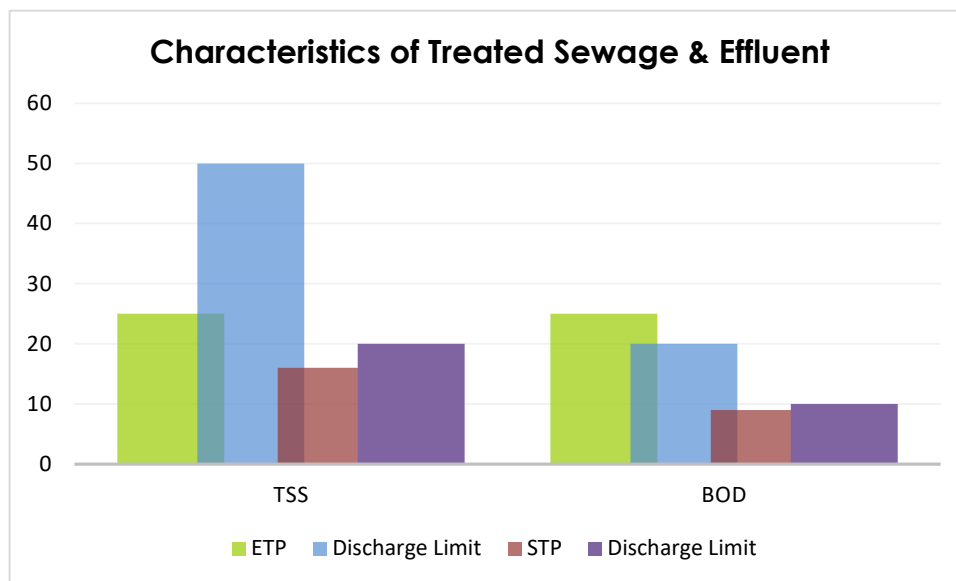


Figure-7: Graphical representation of Treated Wastewater characteristics

3.6. Conclusion:

On the basis of a diligent analysis of test results obtained from six-monthly surveillance monitoring, conducted in September, 2019 and correlating with the statutory limits, the following conclusions could be arrived at: -

- (a) Concentration of the basic pollutants in ambient air samples were found to be within limits prescribed in the National Ambient Air Quality Standard vide GSR 826 (E) dated November 16, 2009 published by the Ministry of Environment & Forests, Govt. of India. However, according to the Environmental Clearance dated 27th September 2019, ambient air quality locations should be finalized with the Haryana State Pollution Control Board and minimum two locations be selected – one in the upward wind direction and the other one in the downward wind direction. This ECM does comply the minimum requirement.
- (b) Ambient noise equivalent level (Leq) during day time and night time was recorded to be within the permissible limits specified for residential area, as required in Environmental Clearance. It is important to note that according to the Environmental Clearance dated 27th September 2019, which was accorded to the expansion project – now onwards, the noise monitoring should be carried out before and after the noise barriers, already erected.

- (c) Acoustic enclosures provided to the DG sets meet the required insertion loss of minimum 25 dB (A) as notified by Environment (Protection) second Amendment Rules vide GSR 371(E), dated 17th May 2002 at serial no.94 and its amendments vide GSR No 520(E) dated 1st July 2003; GSR 448(E), dated 12th July 2004; GSR 315(E) dated 16th May 2005; GSR 464(E) dated 7th August 2006; GSR 566(E) dated 29th August 2007 and GSR 752(E) dated 24th October 2008; G.S.R. 215 (E), dated 15th March, 2011 under the Environment (Protection) Act, 1986.
- (d) Air emission from DG sets was found to be within limits of Emission Standards for Diesel Engines (Engine Rating more than 0.8 MW (800 KW), notified by the Environment (Protection) Third Amendment Rules 2002, vide G.S.R. 489 (E), dated 9th July, 2002 at Serial No. 96, under the Environment (Protection) Act, 1986.
- (e) The treated effluent quality meets requirement specified in the limits given under General Standards for Discharge of Environmental Pollutants (Part-A): Effluents, as given in Schedule-VI, inserted by Rule 2(d) of Environment (Protection) Second Amendment Rules, 1993 notified by GSR 422(E) dated 19.05.1993 published in Gazette No. 174 dated 19.05.1993.
- (f) The treated sewage quality meets limits specified in the NGT Order dated 30th April 2019.
- (g) Samples drawn from the two bore wells shows that ground water quality has not changed to any significant degree or inflicted by any kind of water pollution caused by the hospital project.
- (h) Soil could be characterized as alkaline in pH, saline, low in organic matter, and slightly influenced due to construction activities.

Further, it would be an important note that the Environmental Clearance (EC) dated 27th September 2019 accorded to the expansion project does not specify any condition regarding monitoring of groundwater and surface soil quality, as it was delineated in previous EC. Therefore, the project proponent may review the EIA report on whether there is any declaration made under the environmental management plan regarding testing of groundwater and soil quality. If there is no such statements made, then it is not obligatory in the part of the project to carry out further monitoring of groundwater and surface soil quality.

Annexure A1

Periodical
Surveillance
Monitoring Reports

ULTRATEC RESEARCH & ANALYTIC LABS

(A unit of ECO CORPORATE TECH & MEDIA SERVICES PVT. LTD.)

Khasra No. 5564/195-198, Industrial Area, Daulatabad Road, Gurgaon - 122 006 (Haryana)

Telephone: +91-124-3245465 | Mob: +91-9312491427 | Email: labs@ecocorporate.com | Website: www.ecocorporate.com/ultratec.html

TEST REPORT

No. 5450

Issued To:

M/s Artemis Medicare Services Ltd.
 Artemis Health Institute
 Hospital Site, Sector - 51
 Gurgaon-122 001, Haryana.

Date of Issue: 31.10.2019
 Sample Code No.: 19201150A31
 Date of Sample Receipt: 21.09.2019
 Sampling Method: IS: 11255 & 13270

Sample Description: DG set stack emission sample collected by our representatives.

PROJECT DATA:

1. Name & the address of the Project : "M/s Artemis Hospitals, Sector-51, Gurgaon".
2. Date of sampling : 21.09.2019
3. Name of plant/section : DG Set
4. Normal operating schedule of the plant : As per requirement against grid failure
5. Name of the emission source monitored : DG Set No. 1 (Engine No. 25316577)
 - a) Rated capacity : 1250 KVA
 - b) Operational Load during sampling : 1063 KVA, Avg
 - c) Type and Consumption of Fuel used : HSD, 258 LPH appx
6. Stack identification : Stack attached to DG set No. 1 (Engine No. 25316577)
7. Type of chimney : MS
8. Location of sampling points : Sample drawn from port hole as per sec 2.4.0 of Emission Regulations (Part-III), CPCB
9. Stack height (m)
 - a) From ground level : 37.5
 - b) Above roof level : 7.5
 - c) From source of emission : -
10. Diameter of stack (mm) : 200
11. Total Sampling Duration : 90 mins
12. Parameters required : PM, SO₂, NO₂, CO, NMHC as C, O₂
13. Purpose of Monitoring : Surveillance monitoring
14. Air pollution control measures
 - a) Status : Not Applicable
 - b) Recovery of Materials : Not Applicable
15. Fugitive emissions, if any : No fugitive emission found during monitoring

OBSERVATIONS

- a) Ambient air temperature (°C) : 29
- b) Stack gas temperature (°C), average : 388
- c) Stack gas velocity (m/s), average : 10.6
- d) Emission rate (Nm³/hr.) : 541.71

TEST RESULTS

S. No.	Parameters	Unit	Results	Standards	Test Protocol
1	Particulate Matters at 15%O ₂	mg/Nm ³	69	75	IS - 11255; Part - 1
2	Sulphur Dioxide as SO ₂	mg/Nm ³	2.8	-	IS - 11255; Part - 2
3	Oxides of Nitrogen as NO ₂ at 15%O ₂	ppmV	303	710	IS - 11255; Part - 7
4	Carbon Monoxide as CO* at 15%O ₂	mg/Nm ³	66	150	UL/STM/A/20
5	Non-Methane Hydrocarbon as C* at 15%O ₂	mg/Nm ³	13.4	100	USPEA 2002
6	Oxygen as O ₂	%	13	-	IS - 13270

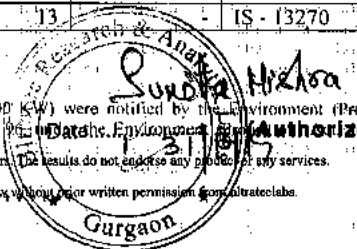
NOTE:

1. Sample testing period: 21.09.2019 through 27.09.2019
2. *Not covered under NABL Scope

Emission Standards for Diesel Engines (Engine Rating more than 0.8 MW (800 KW) were notified by the Environment (Protection) Third Amendment Rules 2002, vide G.S.R. 489 (E), dated 9th July, 2002 at serial no. 95. (Date: Environment Deptt. Authorized Signatory)

Note:

1. The results indicated on this test report have relevance with only the same tested for specified parameters. The results do not endorse any product or any services.
2. Total liability of Ultratec Labs shall be limited to the amount reported in the report only. 27/01/2018
3. This test report shall not be a valid document in any advertising, media or as evidence in any court of law without our written permission from ultrateclabs.
4. Samples shall be destroyed after 1 week from date of issue of report.



ULTRATEC RESEARCH & ANALYTIC LABS

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Khasra No. 5564/195-198, Industrial Area, Daulatabad Road, Gurgaon - 122 006 (Haryana)

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TEST REPORT

No. 5451

Issued To:

M/s Artemis Medicare Services Ltd.
 Artemis Health Institute
 Hospital Site, Sector - 51
 Gurgaon 122 001, Haryana

Date of Issue: 31.10.2019
 Sample Code No.: 19201150A32
 Date of Sample Receipt: 21.09.2019
 Sampling Method: IS-11255 & 13270

Sample Description: DG set stack emission sample collected by our representatives.

PROJECT DATA:

1. Name & the address of the Project : "M/s Artemis Hospitals, Sector-51, Gurgaon".
2. Date of sampling : 21.09.2019
3. Name of plant/section : DG Set
4. Normal operating schedule of the plant : As per requirement against grid failure
5. Name of the emission source monitored : DG Set No. 2 (Engine No. 25316808)
 - a) Rated capacity : 1250 KVA
 - b) Operational Load during sampling : 1067 KVA, Avg
 - c) Type and Consumption of Fuel used : HSD, 258 LPH appx
6. Stack identification : Stack attached to DG set No. 1 (Engine No. 25316808)
7. Type of chimney : MS
8. Location of sampling points : Sample drawn from port hole as per sec 2.4.0 of Emission Regulations (Part-III), CPCB
9. Stack height (m)
 - a) From ground level : 37.5
 - b) Above roof level : 7.5
 - c) From source of emission : -
10. Diameter of stack (mm) : 200
11. Total Sampling Duration : 90 mins
12. Parameters required : PM, SO₂, NO₂, CO, NMHC as C, O₂
13. Purpose of Monitoring : Surveillance monitoring
14. Air pollution control measures
 - a) Status : Not Applicable
 - b) Recovery of Materials : Not Applicable
15. Fugitive emissions, if any : No fugitive emission found during monitoring

OBSERVATIONS

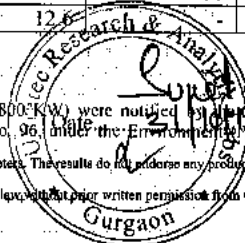
- a) Ambient air temperature (°C) : 31.5
- b) Stack gas temperature (°C), average : 396
- c) Stack gas velocity (m/s), average : 10.7
- d) Emission rate (Nm³/hr.) : 539.25

TEST RESULTS

S. No.	Parameters	Unit	Results	Standards	Test Protocol
1	Particulate Matters at 15%O ₂	mg/Nm ³	55	75	IS - 11255: Part - 1
2	Sulphur Dioxide as SO ₂	mg/Nm ³	3.2	-	IS - 11255: Part - 2
3	Oxides of Nitrogen as NO ₂ at 15%O ₂	ppmV	332	710	IS - 11255: Part - 7
4	Carbon Monoxide as CO* at 15%O ₂	mg/Nm ³	82	150	UL/STM/A/20
5	Non-Methane Hydrocarbon as C* at 15%O ₂	mg/Nm ³	12.9	100	USPEA 2002
6	Oxygen as O ₂	%	12.6	-	IS - 13270

NOTE:

1. Sample testing period: 21.09.2019 through 27.09.2019
2. *Not covered under NABL Scope.
3. Emission Standards for Diesel Engines (Engine Rating more than 0.8 MW (800KW) were notified by the Environment (Protection) Third Amendment Rules 2002, vide G.S.R. 489 (F), dated 9th July, 2002 at serial no. 96 under the Environment (Protection) Act, 1986 (Authorised Signatory)
4. Note: The results indicated in this test report have relevance with only the same tested for specified parameters. The results do not endorse any product or any services.
5. This test report shall not be a valid document in any advertising media or as evidence in any court of law, without prior written permission from ultrateclabs.
6. Samples shall be destroyed after 1 week from date of issue of report.



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TEST REPORT

No. 5452

Issued To:

M/s Artemis Medicare Services Ltd.
 Artemis Health Institute
 Hospital Site, Sector - 51
 Gurgaon 122 001, Haryana

Date of Issue: 31.10.2019
 Sample Code No.: 119201150N21
 Date of Monitoring: 21.09.2019
 Monitoring Method: IS 7194

Monitoring Description: Sound level was monitored inside the project, inside premises of Artemis Hospitals, Sector-51, Gurgaon, as per all available guidelines and standards.

MONITORING RESULTS

S. No.	Location	Unit	Noise Level			Noise Limit for Diesel Generator sets (above 1000 KVA)
			Before acoustic treatment	After acoustic treatment	Total Insertion Loss	
1.	Sound level was monitored near acoustically treated DG Set (1250 KVA) (Engine No. - 25316577)	dB (A)	100.6	75.2	25.4	The acoustic enclosure or acoustic treatment of the room shall be designed for minimum 25 dB (A) insertion loss
2.	Sound level was monitored near acoustically treated DG Set (1250 KVA) (Engine No. - 25316808)	dB (A)	100.9	75.6	25.3	

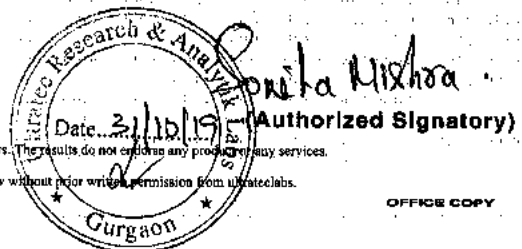
Note:

- All DG Set exhaust muffler provided / not provided
- All DG Sets provided with acoustic treatment
- Measurement for Insertion Loss was performed at different points at 0.5 m from the acoustic enclosure and then averaged.
- *Only SPL values were measured while DG set acoustic chamber door kept close and average is reported
- Noise Limit for Generator Sets run with Diesel were notified by Environment (Protection) second Amendment Rules vide GSR 371(E), dated 17th May 2002 at serial no.94 and its amendments vide GSR No 520(E) dated 1st July 2003; GSR 448(E), dated 12th July 2004; GSR 315(E) dated 18th May, 2005; GSR, 464(E) dated 7th August 2006; GSR 566(E) dated 29th August 2007 and GSR 752(E) dated 24th October 2008; G.S.R. 215 (E), dated 15th March, 2011 under the Environment (Protection) Act, 1986.
- Remark: During above-said monitoring insertion loss was observed to be more than 25 dB (A)
- ultratéclabs is NABL accredited vide certificate No. TC-6744 dated 12/01/2018 and ISO 9001: 2015 certified vide certificate No. 171QAE26 Dated 16.05.2017.

***** End of Report *****

Note:

- The results indicated on this test report have relevance with, only the same tested for specified parameters.
- Total liability of ultratec labs shall be limited to the corresponding billed amount only.
- This test report shall not be a valid document in any advertising media or as evidence in any Court of law without prior written permission from ultrateclabs.
- Samples shall be destroyed after 1 week from date of issue of report.



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TEST REPORT

No. **5453**

Issued To:

M/s Artemis Medicare Services Ltd.
 Artemis Health Institute
 Hospital Site, Sector - 51
 Gurgaon-122 001, Haryana

1. Date of Issue: 31.10.2019
2. Sample Code No.: 19201150W21 & 19201150W22
3. Sample Received on: 20.09.2019
4. Sampling Method: IS: 3025 (Part-1) & IS 1622
5. Appearance: Light Grey / Apparently Clear
6. Quantity of Sample: 2 liters each
7. Type of Sample: Grab
8. Type of Container: Plastic Jerry Cans and Sterilized Bottles

Sample Description: Wastewater samples marked as "Inlet to STP" and "Outlet from STP" were received from Artemis Hospitals, Sector - 51, Gurgaon.

TEST RESULTS

S. No.	Parameter	Unit	Results "STP Inlet"	Results "STP Outlet"	Standard (only for STP Outlet)	Test Protocol
1	pH at 25°C	-	6.88	7.59	5.5-9.0	IS: 3025 Part 11
2	Suspended Solids	mg/l	106	16	20	IS: 3025 Part 17
3	BOD ₅ at 27°C	mg/l	100	9	10	IS: 3025 Part 44
4	COD	mg/l	279	44	50	IS: 3025 Part 58
5	Total Nitrogen	mg/l	36.7	5.9	10	IS: 3025 Part 34
6	Faecal Coliform*	**	920000	220	230	IS: 1622

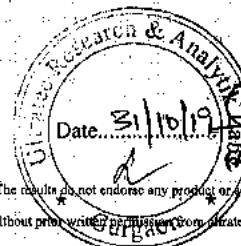
Note:

1. Period of sample testing: 20.09.2019 to 26.09.2019
2. Discharge Limit refers to NGT Order Dated 30th April 2019 that has applicability to treated sewage only.
3. Total Phosphorus was not tested as the treated effluent is not being discharged into any water body.
4. *Not covered under NABL Scope
5. **Unit - MPN/100ml
6. Test Report contains / does not contain Outsourced Test Results.
7. Test Results are specific to the sample described above and does not certify anything beyond.
8. ultratéclabs is NABL accredited vide certificate No. TC-6744 dated 12/01/2018.

+++++++ End of Report ++++++

Note:

1. The results indicated on this test report have relevance with, only the same tested for specified parameters. The results do not endorse any product or any services.
2. Total liability of ultratéclabs shall be limited to the corresponding billed amount only.
3. This test report shall not be a valid document in any advertising media or as evidence in any Court of law without prior written permission from ultratéclabs.
4. Samples shall be destroyed after 1 week from date of issue of report.



Pradha Mishra
 Authorized Signatory

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TEST REPORT

No. **5454**

Issued To:

M/s Artemis Medicare Services Ltd.
 Artemis Health Institute
 Hospital Site, Sector - 51
 Gurgaon, 122 001, Haryana

1. Date of Issue: 31.10.2019
2. Sample Code No.: 19201150W23 & 19201150W24
3. Sample Received on: 20.09.2019
4. Sampling Method: IS: 3025 (Part-1)
5. Appearance: Both Apparently Clear
6. Quantity of Sample: 2 liters each
7. Type of Sample: Grab
8. Packing Details: Plastic Jerry Cans

Sample Description: Two wastewater samples marked as "Inlet to ETP" and "Outlet from ETP (Treated Effluent, which is taken for further treatment in STP)" were collected from Artemis Hospitals, Sector - 51, Gurgaon.

OBSERVED RESULTS

S. No.	Parameter	Unit	Results "ETP Inlet"	Results "ETP Outlet"	Standard (only for treated effluent)	Test Protocol
1	pH at 25°C	-	5.98	6.84	6.5-9.0	IS: 3025 Part 11
2	Suspended Solids	mg/l	66	25	100	IS: 3025 Part 17
3	BOD ₅ at 27°C	mg/l	167	25	30	IS: 3025 Part 44
4	COD	mg/l	639	96	250	IS: 3025 Part 57
5	Oil & Grease	mg/l	11.6	0.8	10	IS: 3025 Part 39

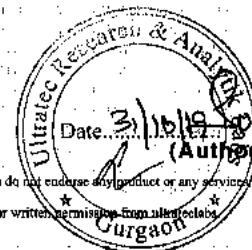
Note:

1. Period of sample testing: 20.09.2019 to 25.09.2019
2. Discharge Limit refers to GSR 7 Dated 22nd December 1998. All these limits are applicable to ETP outlet sample only.
3. Report also contains outsourced data
4. Test Report contains / does not contain Outsourced Test Results.
5. Test Results are specific to the sample described above and does not certify anything beyond.
6. ultratéclabs is NABL accredited vide certificate No. TC-6744 dated 12/01/2018.

««««««End of Report»»»»»»

Note:

1. The results indicated on this test report have relevance with only the same tested for specified parameters. The results do not endorse any product or any services.
2. Total liability of ultratéclabs shall be limited to the corresponding billed amount only.
3. This test report shall not be a valid document in any advertising media or as evidence in any Court of law without prior written permission from ultratéclabs.
4. Samples shall be destroyed after 1 week from date of issue of report.



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Telephone: +91-124-3245465 | Mob: +91-9312491427 | Email: labs@ecocorporate.com | Website: www.ecocorporate.com/ultratec.html

TEST REPORT

No. 5455

Issued To:

M/s Artemis Medicare Services Ltd.
 Artemis Health Institute
 Hospital Site, Sector - 51,
 Gurgaon 122 001, Haryana

Date of Issue: 31.10.2019
 Sample Code No.: 19201150A11
 Sample Received on: 20.09.2019
 Sampling Method: IS 5182 & UL/STM/A/01

Sample Description: Ambient air sample collected by our representatives "Upward wind direction" inside the premises of "Artemis Hospitals", Sector-51, Gurgaon-122 001, Haryana.

MONITORING DATA

(i)	Date of Starting Monitoring	20.09.2019
(ii)	Sampling Start Time (Hour)	09:30
(iii)	Date of Closing Monitoring	21.09.2019
(iv)	Sampling Complete Time (Hour)	09:30
(v)	Actual Time of Sampling (min)	1440
(vi)	Flow Rate for PM ₁₀ (m ³ /min)	1.19
(vii)	Total Volume of Air sampled for PM ₁₀ (m ³)	1713.6
(viii)	Total Volume of Air sampled for PM _{2.5} (m ³)	24.0037
(ix)	Approximate Ambient Temperature (°C)	Max 32 °C, Min 25°C
(x)	Approximate range of Relative Humidity (%)	Min 54%, Max 89%
(xi)	Wind Speed and Most Predominant Direction	6 to 15 kmph, East/NE
(xii)	Weather Condition & Rainfall	Foggy, No rainfall

TEST RESULTS

S. No.	Parameters	Units	Results	NAAQS	TWA#	Test Methods
1.	Sulphur Dioxide as SO ₂	µg/m ³	10.4	80	24 hours	IS 5182 (Part-2)
2.	Nitrogen Dioxide as NO ₂	µg/m ³	28.0	80	24 hours	IS 5182 (Part-6)
3.	PM ₁₀	µg/m ³	96	100	24 hours	IS 5182 (Part-23)
4.	PM _{2.5}	µg/m ³	55	60	24 hours	UL/STM/A/11 (2010)
5.	Ozone as O ₃	µg/m ³	93	180	1 hour	IS 5182 (Part-9)
6.	Ammonia as NH ₃	µg/m ³	170	400	24 hours	APHA Air Method 504
7.	Carbon Monoxide as CO*	mg/m ³	2.16	4	1 hour	IS 5182 (Part-10)

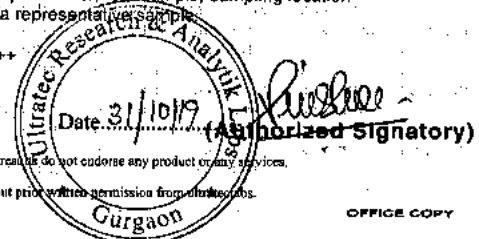
Note:

- Monitoring for O₃ and CO were performed for 1 hour and all other parameters on 24-hourly basis
- Period of Laboratory Testing: 20.09.2019 to 23.09.2019
- NAAQS: National Ambient Air Quality Standard vide GSR 825 (E) Dated: November 16, 2009 published by the Ministry of Environment & Forests, Govt. of India
- UL/STM/A/11 (2010): Based on CPCB Guidelines: NAAQS Monitoring & Analysis Guidelines Volume-I, Central Pollution Control Board, May, 2011; Page 15; Guidelines for determination of PM_{2.5} in ambient air (Gravimetric Method)
- APHA Air 300 edition, 1989: Method No.504 and CPCB Guidelines NAAQS Monitoring & Analysis Guidelines Volume-II, Central Pollution Control Board, May, 2011
- Report also contains outsourced data
- *Not covered under NABL Scope
- #Time Weighted Average
- Dust suppression measure such as water sprinkling was found to be taken by the project during entire monitoring period.
- Some sampling conditions were found to be not matching with the BIS/CPCB requirements, for example, sampling location distance from building and road. However, maximum efforts were put to collect a representative sample.
- ultrateclabs is NABL accredited vide certificate No. TC-6744 dated 12/01/2018.

***** End of Report *****

Note:

- The results indicated on this test report have relevance with, only the same tested for specified parameters. The results do not endorse any product or any services.
- Total liability of ultratec labs shall be limited to the corresponding billed amount only.
- This test report shall not be a valid document in any advertising media or as evidence in any Court of law without prior written permission from ultratec labs.
- Samples shall be destroyed after 1 week from date of issue of report.



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TEST REPORT

No. 5456

Issued To:

M/s Artemis Medicare Services Ltd.
 Artemis Health Institute
 Hospital Site, Sector - 51
 Gurgaon 122 001, Haryana

Date of Issue: 31.10.2019
 Sample Code No.: 19201150A12
 Sample Received on: 20.09.2019
 Sampling Method: IS 5182 & UL/STM/A/01

Sample Description: Ambient air sample collected by our representatives "Downward wind direction" inside the premises of "Artemis Hospitals", Sector-51, Gurgaon 122 001, Haryana.

MONITORING DATA

- (i) Date of Starting Monitoring : 20.09.2019
- (ii) Sampling Start Time (Hour) : 10:25
- (iii) Date of Closing Monitoring : 21.09.2019
- (iv) Sampling Complete Time (Hour) : 10:25
- (v) Actual Time of Sampling (min) : 1440
- (vi) Flow Rate for PM₁₀ (m³/min) : 1.16
- (vii) Total Volume of Air sampled for PM₁₀ (m³) : 1670.3722
- (viii) Total Volume of Air sampled for PM_{2.5} (m³) : 24.0014
- (ix) Approximate Ambient Temperature (°C) : Max 32 °C, Min 25°C
- (x) Approximate range of Relative Humidity (%) : Min 54%, Max 89%
- (xi) Wind Speed and Most Predominant Direction : 6 to 15 kmph, East/NE
- (xii) Weather Condition & Rainfall : Foggy, No rainfall

TEST RESULTS

S. No.	Parameters	Units	Results	NAAQS	TWA#	Test Methods
1.	Sulphur Dioxide as SO ₂	µg/m ³	12.1	80	24 hours	IS 5182 (Part-2)
2.	Nitrogen Dioxide as NO ₂	µg/m ³	29.2	80	24 hours	IS 5182 (Part-6)
3.	PM ₁₀	µg/m ³	93	100	24 hours	IS 5182 (Part-23)
4.	PM _{2.5}	µg/m ³	58	60	24 hours	UL/STM/A/11 (2010)
5.	Ozone as O ₃	µg/m ³	104	180	1 hour	IS 5182 (Part-9)
6.	Ammonia as NH ₃	µg/m ³	191	400	24 hours	APHA Air Method 504
7.	Carbon Monoxide as CO*	mg/m ³	2.30	4	1 hour	IS 5182 (Part-10)

Note:

1. Monitoring for O₃ and CO were performed for 1 hour and all other parameters on 24-hourly basis
2. Period of Laboratory Testing: 20.09.2019 to 23.09.2019
3. NAAQS: National Ambient Air Quality Standard vide GSR 826 (E) Dated: November 16, 2009 published by the Ministry of Environment & Forests, Govt. of India
4. UL/STM/A/11 (2010): Based on CPCB Guidelines: NAAQS Monitoring & Analysis Guidelines Volume-I, Central Pollution Control Board, May, 2011, Page 15; Guidelines for determination of PM_{2.5} in ambient air (Gravimetric Method)
5. APHA Air 300 edition, 1989; Method No. 504 and CPCB: Guidelines NAAQS Monitoring & Analysis Guidelines Volume-II, Central Pollution Control Board, May, 2011.
6. Report also contains outsourced data
7. *Not covered under NABL Scope
8. #Time Weighted Average
9. Dust suppression measure such as water sprinkling was found to be taken by the project during entire monitoring period.
10. Some sampling conditions were found to be not matching with the BIS/CPCB requirements, for example, sampling location distance from building and road. However, maximum efforts were put to collect a representative sample.
11. ultratécclabs is NABL accredited vide certificate No. TC-6744 dated 12/01/2018

***** End of Report *****


 Date: 31/10/19
 (Authorized Signatory)

Note:

1. The results indicated on this test report have relevance with, only the same tested for specified parameters. The results do not endorse any product or any services.
2. Total liability of ultratécclabs shall be limited to the corresponding billed amount only.
3. This test report shall not be a valid document in any advertising media or as evidence in any Court of law without prior written permission from ultratécclabs
4. Samples shall be destroyed after 1 week from date of issue of report.

Credentials

Ultratec Research & Analytik Labs (ultratéclabs) is an environmental laboratory. The laboratory was incepted on March 1, 2007.

The laboratory sought Consent from Haryana State Pollution Control Board, which was exempted it vide their letter No. HSPCB/GR/2010/14436 Dated 15/03/2010.

ultratéclabs got the first accreditation from NABL vide certificate No. T-2441 in 12.02.2013. The current NABL accreditation is valid vide certificate No. TC-6744 Dated 12/01/2018.

ISO 9001: 2015 certified vide certificate No. 17IQAE26 Dated 16.05.2017.

The laboratory offers environmental monitoring & analytical services in respect of ambient air quality, stack emissions, water quality, soil quality, noise level, used oil and solid wastes. The above services are useful to meet compliance requirements of the MoEF&CC, Central and State Pollution Control Boards and Central Ground Water Board.



**National Accreditation Board for
Testing and Calibration Laboratories**

(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

ULTRATEC RESEARCH & ANALYTIK LABS

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

115, Daulatabad Road Industrial Area, Sector-104,
Gurgaon, Haryana

in the field of

TESTING

Certificate Number TC-6744

Issue Date 12/01/2018

Valid Until 11/01/2020

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

N. Venkateswaran
Program Director



89076970100030000869

Anil Relia
Chief Executive Officer



Regional Office

Haryana State Pollution Control Board

Vikas Sadan, Opposite- New Court, Gurgaon

No. HSPCB/GR/2010/ 14436

Dated 15/3 / 2010

To

M/s Ultratec Research & Analytik Labs.
Khasra No. 5564/195-198, 1st Floor, Near Shivom Enterprises,
Industrial Area, Daultabad Road, Gurgaon

Sub: Clarification of your case w.r.t. Pollution angle Consequent upon the issuance of Notification No. HSPCB/2009/Policy/100 dated 01-01-2009 & delegation of powers to grant consent to operate vide Endst. No. HPSCB/PA/MS/ 2008/228-237 dated 31-12-2008.

Ref. No.: Your application.

Kindly refer to the subject noted above, it is intimated that application of your unit received in the Board, as per your application unit has proposed for Monitoring & Analytical Services for Water, Waste Water, Ambient & Work Zone Air, Stack Emissions, Soil, Solid Wastes, Noise Level, Oil & Used Oil, there will be discharge of 2 KLD trade effluent and no emission of Air pollutants in the atmosphere except the D.G. Set.

Consequent upon the issuance of Notification No. HSPCB/2009/Policy/100 dated 01-01-2009 & delegation of powers to grant consent to operate vide Endst. No. HPSCB/PA/MS/ 2008/228-237 dated 31-12-2008, your unit falls under the Case – IV category of the said notification, so, you need not to obtain consent to operate. However, your project/industry/unit shall be expected to adhere to the prescribed standards notified under the Water Act & the Air Act. Presently, as per the application submitted by you, the water discharge is 0.5 KLD for domestic & 2 KLD for trade effluent. As and when your unit exceeds the water consumption in excess of 25 KLD or more in future at any time, you will have to obtain the necessary NOC/Consent from the Board, also, you will inform to the Board in advance in case of any change in manufacturing process otherwise this clarification/exemption will be deemed automatically revoked/cancelled without any further notice & time and due action under section 33-A of Water Act, 1974 & under section 31-A of Air Act, 1981 will be taken against your unit.

Specific Conditions:-

1. That the unit will seek the NOC/Consent in case unit change its process & will inform to the board in advance otherwise this exemption will be automatically revoked/cancelled without further notice.
2. That the unit will provide air pollution control measure for Nox and SO2 emissions from DG set.
3. That the unit will comply all the Hazardous Waste Management Rules and E-Waste Rules.
4. That the unit will use low sulphur fuel for DG set.
5. That the unit will take all other clearances from concerned agencies whenever required.
6. That the unit will comply with all the environmental laws/ rules/ notifications issued by GOI/ State Govt. /HSPCB from time to time.
7. That the unit will not use/process any ozone depleting substances (ODS).
8. That the unit will install ETP before starting of polluting process.
9. That the unit will obtain clearance from Forest Department & other concerned authorities, if land of project is falls under section 4 & 5 of PLPA, 1900.
10. That if the land of the unit falls under section 4 & 5 of PLPA, 1900 & is within 500 meters from Aravali Plantation then exemption so granted will deemed to be cancelled.
11. That the Exemption so granted is without prejudice to the action to be taken in respect of such past violations, if any.


Regional Officer
Gurgaon Region

Endst. No.: HSPCB/GR/2010/

Dated:

A copy of above is forwarded to the Chairman, Haryana State Pollution Control Board, Gurgaon for kind information and further necessary action.

Annexure A2

*1) Annual Return (Form-4):
Hazardous Waste*

*2) Annual Return (Form-3):
E-Waste*

3) Annual Return: BMW

*4) Copy of Agreement
regarding BMW Disposal*

*5) Copy of Agreement
regarding Garbage
Disposal*

OUR
SPECIALITY
IS
YOU

www.artemishospitals.com

ARTEMIS
HOSPITALS

To

The Honorable Regional Officer

Haryana State Pollution Control Board

Vikas Sadan (Gurugram)

Sub:-Submission of Annual return of Hazardous material of FY 2018-19

Respected Sir,

With the reference of above mentioned subjected, Kindly find the enclosed documents for your Perusal.

Thanking You

Authorized Signatory

Artemis Medicare Service Ltd.

Enclosure:-

1. Form-4
2. Form-10 (Original)
3. Form-9 (Original)

21-6-19
H.S.P.C.B.
GURUGRAM



Artemis Hospital (A unit of Artemis Medicare Services Ltd.)

Sector 51, Gurugram - 122001, Haryana, India. Ph.: +91-124-4511 111 | Fax: +91-124-4588 899

Emergency & Trauma: +91-124-4588 888

Registered Office: Plot No. 14, Sector 20, Dwarka, New Delhi - 110075 | Corporate Office: Artemis Hospital, Sector 51, Gurugram - 122001, Haryana, India

CIN: U85110DL2004PLC126414 | GST: 06AAFCA0130M1Z1(HR), 07AAFCA0130M1ZZ(DEL) | TAN: DELA16048E | PAN: AAFCA0130M | Email: info@artemishospitals.com



of Environment, Forest and Climate

ARTEMIS

FORM - 4

[See rules 5(6) and 22(2)]

FORM FOR FILING ANNUAL RETURNS BY THE OCCUPIER OR OPERATOR OF A FACILITY

[To be submitted by occupier/operator of disposal facility to State Pollution Control Board/ Pollution Control Committee by 30th June of every year for the preceding period April 20.18 to March 20.19.]

1.	Name and address of the generator/operator of facility	Artemis Medicine Services Ltd			
2.	Name of the authorized person and full address with telephone and fax number	Joginderpal, Artemis Hospital Sec-51 Gurgaon, 9711160009			
3.	Description of hazardous waste	Physical form with description	Chemical form		
		Solid	Mixture of Metals/salt.		
4.	Consented quantity of product/others	-			
5.	Manufactured quantity of product/others	-			
6.	Quantity of hazardous wastes (in MTA) Note: If the space is not sufficient enclose annexure →	Type of hazardous waste as per Authorization	Quantity (in KL or MT)		
			Authorized	Generated	
		(a) ETP Sludge		2.54 MT.	
		(b)			
		(c)			
7.	Description of Storage	Dedicated Storage in open yard.			
8.	Description of Treatment	NA			
9.	Details of transportation	Name & address of consignee	Mode of packing	Mode of transportation	Transportation
					Date Quantity
10.	Details of disposal of hazardous waste	Name & address of consignee	Mode of packing	Mode of transportation	Transportation
					Date Quantity
11.	Quantity of useful materials sent back to the manufacturers* and others#	Name and Type of material sent back to Manufacturers* and Others#	Quantity in Tones/KL		
			- N.A.		

* delete whichever is not applicable # enclose list of other agencies
 Note: The Quantity shall be match with Form-5, Environmental Audit

Date:

Place:

Signature: 

Designation:

Sapioy Michra es@gmail.com For environment, Forest and Climate

FORM - 4

[See rules 5(6) and 22(2)]

FORM FOR FILING ANNUAL RETURNS BY THE OCCUPIER OR OPERATOR OF A FACILITY

[To be submitted by occupier/operator of disposal facility to State Pollution Control Board/ Pollution Control Committee by 30th June of every year for the preceding period April 20/18 to March 20/19]

1.	Name and address of the generator/operator of facility	Artemis Medicine Services Ltd.			
2.	Name of the authorized person and full address with telephone and fax number	Joginder Pal . Artemis Hospital Sec-51 Gurgaon . 9711160009			
3.	Description of hazardous waste	Physical form with description	Chemical form		
		USED OIL.	Liquid.	Oil	
4.	Consented quantity of product/others	0.78 KL.			
5.	Manufactured quantity of product/others				
6.	Quantity of hazardous wastes (in MTA) Note: If the space is not sufficient enclose annexure →	Type of hazardous waste as per Authorization	Quantity (in KL or MT)		
			Authorized	Generated	
		(a) Used oil		0.78 KL	
		(b)			
		(c)			
7.	Description of Storage	Dedicated storage in open yard.			
8.	Description of Treatment	- NA -			
9.	Details of transportation	Name & address of consignee	Mode of packing	Mode of transportation	Transportation
		Maharaja	Container	By Road.	Date Quantity
		Udjay			15.02.19 390 Ltr. 12.07.18 390 Ltr.
10.	Details of disposal of hazardous waste	Name & address of consignee	Mode of packing	Mode of transportation	Transportation
		Maharaja	Oil Drum	By Road.	Date Quantity
		Udjay			15.02.19 390 Ltr. 12.07.18 390 Ltr.
11.	Quantity of useful materials sent back to the manufacturers* and others#	Name and Type of material sent back to Manufacturers* and Others#	Quantity in Tones/KL		
			. NA		

* delete whichever is not applicable

enclose list of other agencies

Note: The Quantity shall be match with Form-5, Environmental Audit

Date:







Signature : 

Place:

Designation:

FORM 10
[See Rule 19 (1)]

MANIFEST FOR HAZARDOUS AND OTHER WASTE

1.	Sender's Name and Mailing Address (Including Phone No. and Email)	Artemis Medicare Services Ltd. Sector 57, Gurgaon Haryana.		
2.	Sender's Authorisation No.	335		
3.	Manifest Documents.			
4.	Transporter's Name and Address : (Including Phone No. & Email)	MAHAVIRA UDYOG 5/11, Mile Stone, Vill. & P.O. Baniyani, Bhiwani Road, Distt. Rohtak, Haryana Mob. : 9811182507, 8076564627 Email : ksrawat1965@gmail.com, mahaviraudyog2003@yahoo.com		
5.	Type of Vehicle	Truck Tempo Mini Tempo		
6.	Transporter's registration No.	DL-1L-2-1096		
7.	Vehicle Registration No.	DL-1L-2-1096		
8.	Receiver's Name and Mailing Address (Including Phone No. & Email)	MAHAVIRA UDYOG 5/11, Mile Stone, Vill. & P.O. Baniyani, Bhiwani Road, Distt. Rohtak, Haryana Mob. : 9811182507, 8076564627 Email : ksrawat1965@gmail.com, mahaviraudyog2003@yahoo.com		
9.	Receiver's Authorisation No.	115/2015-16/RCRR/Waste Oil / HSPCB Orange		
10.	Waste Description	Used waste lubricants D4 seh.		
11.	Total Quantity No. of Containers	340 ltr (2 Dr)		
12.	Physical Form	liquid		
13.	Special handling instructions and additional information			
14.	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked, and labeled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.		
Name & Stamp:  		Signature	Month	Day
				Year
				27 - 09 - 2019 -
15.	Transport acknowledgment of receipt of Wastes	Used waste lubricant		
Name & Stamp:  		Signature	Month	Day
				Year
				27 - 09 - 2019 -
16.	Receiver's Certification for receipt of Hazardous and other waste	Used waste lubricant		
Name & Stamp:  		Signature	Month	Day
				Year
				27 - 09 - 2019 -

- 1. White Form forwarded by the sender to SPCB.
- 2. Yellow form retained by sender after taking sign from transporter.
- 3. Blue Form retained by receiver
- 4. Orange Form handed over to transporter after accepting waste.
- 5. Green Form sent by receiver to SPCB.
- 6. Pink Form sent by the receiver to the sender.

FORM 9
[See rule 18 (2)]

TRANSPORT EMERGENCY (TREM) CARD

[To be carried by the transporter during transportation of hazardous and other wastes, provided by the sender of waste]

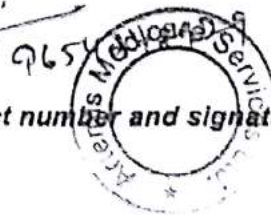
1. Characteristics of hazardous and other wastes: *used waste lubricant*

S. No.	Type of waste	Physical properties/	Chemical constituents	Exposure hazards	First Aid requirements
01.	<i>Used lubricant</i>	<i>liquid</i>	<i>Mixture of Various hydrocarbons</i>	<i>MLL</i>	<i>If Skin & eye contact flush with water & wash with Soap Sol.</i>

2. Procedure to be followed in case of fire
3. Procedure to be followed in case of spillage/accident/explosion
4. For expert services, please contact
 - (i) Name and Address
 - (ii) Telephone No.

: Sand/salt/chemicals
 : Wash off all inj.
 : Sandara hospital
 : Artemis Hospital
 See to 51
 Am...

Aliy



(Name, contact number and signature of sender)

Date... *27-09-2019*

Place... *Gurgaon* ..
(Haryana)

FORM-3

[See rules 4(5), 5(5), 8(6), 9(4), 10(8), 11(9), 13 (1) (xi), 13(2)(v), 13(3)(vii) and 13(4)(v) of the E-Waste (Management) Rules, 2016 and subsequent amendments]

FORM FOR FILING ANNUAL RETURNS

[To be submitted by producer or manufacturer or refurbisher or dismantler or recycler by 30th day of June following the financial year to which that return relates]

[Period: 1st April 2018 to 31st March 2019]

1.	Name and address of the producer or manufacturer or refurbisher or dismantler or recycler	M/s Artemis Medicare Services Limited Artemis Health Institute Hospital Site, Sector-51, Gurgaon 122 001 (Bulk Consumer)		
2.	Name of the authorised person and complete address with telephone and fax numbers and e-mail address	Mr. Joginder Pal HOD – General Engineering M/s Artemis Medicare Services Limited Sector-51, Gurgaon Tel. 0124-6767999, 0124-6767701 Email: joginder@Artemishospitals.com		
3A.	BULK CONSUMERS: Quantity of e-waste	Type	Quantity	No.
		As per list attached	1360 Kg	-
4.	Name and full address of the destination with respect to 3(A) above	Green Vortex 177/7, IMT, Manesar 122050 Dist. Gurgaon, Haryana Mob. 9971389851 Email: service@greenvortex.in		
5.	Type and quantity of materials segregated or recovered from e-waste of different codes as applicable to 3(A)	Type	Quantity	
		Not Applicable	Not Applicable	

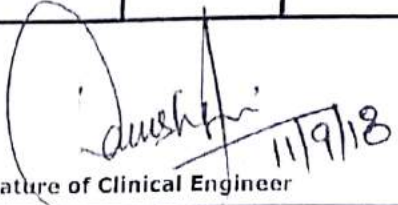
Signature of the Authorized Person

Place: Gurgaon

Date: 25th June 2019

Item Name	Item Details	Functional area	Unit	Qty	Reason for condemnation
1	list attached	Clinical Engineering	Sr. No. 1-31	312	Attached
2					
3					
4					

Name: Mr. Danish Aini
Clinical Engineer


Signature of Clinical Engineer

Name: Ms. Josphine Cyrill/Ms. Santosh Kumari
Nursing Head

Signature of Nursing Head

Name: Mr. Sneh Singh
Supply Chain

Signature of Supply Chain

Name: Mr. Sanjiv Kothari
CFO

Signature of CFO

Name: Dr. Devina Chakravarty
CEO & ED

Signature of CEO & ED

NOTE: IF ITEMS CAN'T BE MEASURED, PL MENTION APPROXIMATE WHEREVER APPLICABLE. ELSE MENTION ITEM NAME ONLY

Handover duly signed condemnation format copy to Store Incharge

Handover the condemned items to Stores in charge with copy of condemnation form & take receiving sign from them in duplicate

File is maintained at Department & Stores for future audit purpose

Continuation till Sept 2018

Sr.No.	Item	Qty	Serial Number	Reason for Condemnation	Year	Approx Cost of New
1	Bed Remotes E	20	NA	Beyond repaired	2007	50000
2	Battery E	33	12V 3.4Ah	Replacement	2015	200000
3	Battery E	13	7.2V 1.2Ah	Replacement	2015	20000
4	Battery E	6	3.6V 800mAh	Replacement	2015	5000
5	Battery E	3	10.8V 6Ah	Replacement	2015	30000
6	Battery E	1	24V 1.2Ah	Replacement	2015	10000
7	Power Coards	50	NA	Beyond repaired	2015	20000
8	Hose Pipe Smith Warmers	2	NA	Replacement	2015	30000
9	Pistone	17	NA	Replacement	2015	10000
10	ECG Leads E	30	NA	Replacement	2015	60000
11	Heater Elements	7	NA	Replacement	2016	300000
12	Contectors Boiler E	2	NA	Replacement	2016	50000
13	Spo2 Probes E	39	NA	Replacement	2016	80000
14	B.P Hose Pipe	7	NA	Replacement	2016	3500
15	B.P Cuff	20	NA	Replacement	2016	14000
16	Heater Road OT E	2	NA	Replacement	2017	700
17	Nebulizer E	1	NA	Beyond repaired	2016	3000
18	Power Adupters E	3	NA	Beyond repaired	2016	1200
19	Defibrilator Test Paddels E	2	NA	Beyond repaired	2017	80000
20	Call Bells E	7	NA	Beyond repaired	2017	3500
21	Temp. Probe E	7	NA	Beyond repaired	2016	70000
22	Pacemaker TPA cable	1	NA	Beyond repaired	2016	7400
23	Wheels	2	NA	Beyond repaired	2016	1000
24	OT Table E	2		End of life	2007	2000000
25	CR System Agfa E	1		End of life	2007	3000000
26	Stool	1	NA	Beyond repaired	2007	2000
27	Temp. Meter E	2	NA	Beyond repaired	2010	1000
28	Actuator E	10	NA	Beyond repaired	2017	50000
29	Instrument Trolley	5	NA	Beyond repaired	2007	35000
30	Food Table	3	NA	Beyond repaired	2007	18000
31	Food Table Top	13	NA	Beyond repaired	2007	10000



BMW Annual Report Details

Application Id: 6571783

Particulars of the Occupier	
Annual report submit for year:	2019
Name of the authorized person:	Reena V Tiwarri
Name of HCF or CBMWTF:	Artemis Medicare Services Limited
Address for Correspondence:	Artemis Hospital(A Unit of Artemis Medicare Services Limited) Sector-51,Gurugram, Pin code-122001,H
Address of Facility:	Artemis hospital(A unit of Artemis medicare services limited) Sector 51, Gurugram Sector-51,Gurgaon
Tel. No.:	9810866036
Fax. No.:	0124 - 4588899
E-mail ID:	reena@artemishospitals.com
URL of Website:	http://www.artemishospitals.com/
GPS coordinates of HCF of CBMWTF:	
Ownership of HCF or CBMWTF:	Private
Status of Authorization under the BMW (Management and Handing) Rules:	
Authorization No.:	BMW18GUNO5633747
Valid Upto:	30/09/2019
Status of Consents under Water Act and Air Act.:	
Valid Upto:	30/09/2019

Health Care Facilities Details	
HCF/CBMWTF Type:	HCF
No. of Beds(for Bedded Hospital):	394
Non-Bedded Hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other):	0
Licence Number:	1
Licence date of expiry:	31/03/2020

Quantity of Waste Generated	
Quantity of waste generated or disposed in Kg per annum (on monthly average basis)	
Yellow Category:	5263
Red Category:	9052
White Category:	316
Blue Category:	1549
General Solid Waste:	24000

Storage, Treatment, Transportation, Processing and Disposal Facility Details	
Quantity of recyclable wastes sold to authorized recyclers after treatment in kg per annum:	108624
No of vehicles used for collection and transportation of BMW:	2
Name of the Common BMW Treatment Facility Operator through which wastes are disposed of:	Biotic Waste Limited
Details of the on-site storage facility:	
Size:	10X20
Capacity:	2000
Provision of on-site storage:	YES

Disposal Facility			
Type of Treatment Equipment	Number of Units	Capacity(Kg/day)	Quantity Treated or Disposed(Kg/annum)
List is Empty			

Details of incineration, ash and ETP sludge generated, disposal during the treatment of wastes in Kg per annum		
Type of waste	Quantity Generated	Where disposal
List is Empty		






BMW Management Committee	
Do you have BMW management committee:	yes
details:	MOM

Training Conducted on BMW Details	
Number of training conducted on BMW Management:	50
Number of personnel trained:	125
Number of personnel trained at the time of induction:	86
Number of personnel not undergone any training so far:	0
Whether standard manual for training is available:	yes
Any other information:	NA

Details of the accident occurred	
No. of accident occurred:	0
Number of the persons affected:	0
Remedial Action taken:	NA
Any Fatality occurred, details:	NA






Other Details	
Are you meeting the standards of air Pollution from the incinerator?. How many times in last year could not met the standards?:	NA






Details of Continuous online emission monitoring systems installed:	NA
Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year:	NA
It the disinfection method or sterilization meeting the log for standards? How many times you have not met the standards in a year?:	NA
Any other relevant information:	NA






Date	Shift	Time	Incinerable Waste (Yellow Bags)						Autoclavable Waste					
			Cytotoxic Bags		Yellow Bags		Red Bags		White		Blue			
														
			Sharp Container Metal Sharps		Card Boxes Glass Sharps									
Nos	Kgs	Nos	Kgs	Nos	Kgs	Nos	Kgs	Nos	Kgs	Nos	Kgs			
01.04.2019	Mor	08:25	1	10.39	6	119.79	7	133.41	2	12.3	4	41.82		
	Eve	01:50	0	0	3	38.28	3	31.91	0	0	1	7.94		
02.04.2019	Mor	08:20	0	0	8	175.1	13	266.91	2	8.83	4	48.45		
	Eve	02:20	0	0	2	24.42	3	38.43	2	4.17	4	38.66		
03.04.2019	Mor	08:15	1	2.75	8	179.91	13	275.02	3	10.54	3	30.51		
	Eve	02:00	1	2.67	2	17.99	2	26.85	1	2.82	2	24.46		
04.04.2019	Mor	08:50	1	6.48	8	169.37	14	258.96	1	6.01	1	7		
	Eve	01:50	0	0	2	20.59	2	21.15	1	1.69	1	11.19		
05.04.2019	Mor	08:15	1	6.71	8	167.68	13	266.75	2	5.04	3	20.66		
	Eve	01:40	0	0	3	19.89	3	22.17	1	1.63	1	9.15		
06.04.2019	Mor	08:10	2	2.04	9	176.41	14	307.2	3	3.52	5	53.93		
	Eve	01:45	0	0	3	17.01	3	18.04	1	3.54	1	4		
07.04.2019	Mor	10:50	1	5.3	9	194.9	12	288.74	1	3.64	4	41.51		
	Eve	00:00	0	0	0	0	0	0	0	0	0	0		
08.04.2019	Mor	08:15	1	2.83	6	132.62	8	156.16	3	10.47	6	65.16		
	Eve	01:35	0	0	2	12.3	2	15.97	0	0	1	3.62		
09.04.2019	Mor	08:20	1	2.73	8	173.25	14	328.71	3	10.89	4	40.67		
	Eve	02:00	0	0	2	23.24	4	39.74	0	0	2	14.61		
10.04.2019	Mor	08:15	1	2.98	15	191.61	17	299.98	5	5.77	5	42.64		
	Eve	01:50	0	0	3	33.01	3	46.02	0	0	2	16.01		
11.04.2019	Mor	08:10	1	2.75	10	207.57	13	284.52	2	5.21	5	56.72		
	Eve	02:35	0	0	3	21.05	3	29.41	1	2.59	2	18.13		
12.04.2019	Mor	08:15	0	0	7	166.07	12	279.35	2	3.79	3	27.5		
	Eve	02:00	0	0	2	15.77	4	26.83	3	9.96	1	3.87		
13.04.2019	Mor	08:00	1	1.81	8	174.63	12	240.91	3	11.02	3	33.74		
	Eve	01:25	0	0	6	88.8	5	52.43	2	3	2	20.42		
14.04.2019	Mor	08:41	1	3.03	8	144.37	9	180.41	1	2.88	4	46.51		
	Eve	00:00	0	0	0	0	0	0	0	0	0	0		
15.04.2019	Mor	08:15	1	5.55	8	155.98	10	208.05	2	6.36	6	65.13		
	Eve	02:01	0	0	3	29.36	5	37.96	1	2.04	1	1.61		
16.04.2019	Mor	08:20	1	5.14	9	202.99	16	350.35	2	5.51	2	17.28		
	Eve	02:00	0	0	3	26.2	2	23.99	3	9.66	1	11.33		
17.04.2019	Mor	08:15	1	3.74	8	184.09	17	373.56	2	6.51	2	20.22		
	Eve	01:45	0	0	3	34.64	4	44.34	1	2.03	3	30.02		
18.04.2019	Mor	08:20	1	4.56	8	169.4	16	382.52	5	18.86	5	60.29		
	Eve	01:55	0	0	3	18.26	4	34.2	2	5.24	1	6.95		
19.04.2019	Mor	08:15	1	4.19	9	167.93	15	338.73	1	3.2	2	31.78		
	Eve	01:56	1	2.88	3	19.77	4	50.53	1	2.66	2	15		
20.04.2019	Mor	08:10	1	2.53	9	161.45	15	332.39	1	3.72	4	41.29		
	Eve	01:30	1	1.49	4	41.81	4	47.44	2	5.16	2	20.78		
21.04.2019	Mor	10:15	1	2.64	9	158.48	16	331.89	2	7.71	4	37.19		
	Eve	00:00	0	0	0	0	0	0	0	0	0	0		
22.04.2019	Mor	08:15	0	0	7	108.57	11	183.21	2	4.65	7	68.84		
	Eve	01:55	0	0	3	26.83	3	26.93	1	2.24	1	12.79		
23.04.2019	Mor	08:16	1	2.9	9	163.91	22	335.1	3	21.46	3	6.02		
	Eve	01:55	0	0	2	28.96	2	19.85	2	9.6	1	4.61		
24.04.2019	Mor	07:55	1	2.89	9	168.49	14	259.64	2	4.32	5	39.17		
	Eve	01:50	0	0	2	10.76	3	13.06	1	3.62	4	26.83		
25.04.2019	Mor	08:10	1	1.37	9	156.37	13	235.23	2	5.75	3	28.31		
	Eve	02:05	0	0	3	18.07	3	21	1	1.48	1	10.8		
26.04.2019	Mor	07:51	1	5.53	9	172.19	16	369.59	2	7.6	4	38.32		
	Eve	02:10	0	0	3	23.3	2	22.91	1	3.78	1	5.8		
27.04.2019	Mor	08:10	0	0	8	180.93	16	381.89	2	6.06	3	23.15		
	Eve	02:05	0	0	3	19.05	3	32.08	1	2.94	3	29.85		
28.04.2019	Mor	09:40	1	3.46	9	168.03	15	333.12	1	3.16	3	46.34		
	Eve	00:00	0	0	0	0	0	0	0	0	0	0		
29.04.2019	Mor	08:05	1	3.53	6	123.93	9	204.48	3	12.31	5	55.77		
	Eve	02:15	0	0	2	21.26	3	43.29	1	2.53	3	33.85		
30.04.2019	Mor	07:50	0	0	7	158.45	14	338.77	2	7.36	4	41.36		
	Eve	03:10	0	0	3	34.84	3	42.98	1	1.57	1	5.8		
Total			Total Bags	Total Cytotoxic Weight	Total Bags	Total Yellow Weight	Total Bags	Total Red Weight	Total Bags	Total(Containers) Metal sharps Weight	Total Bags	Total(Cardboard boxes) Glass sharp		
	Mor		26	97.83	251	4974.47	406	8525.55	67	224.45	116	1177.28		
	Eve		3	7.04	73	685.46	82	829.51	31	83.95	45	388.08		
G. Total			29	104.87	324	5659.93	488	9355.06	98	308.4	161	1565.36		
Vendor Name:		BIOTIC WASTE LIMITED							Vehicle No: H.R 55 - 1374		Morning	14999.58	G. Total	16993.62
											Evening	1994.04		




BIO-MEDICAL WASTE WEIGHT MONTHLY REPORT

Month : . May 2019

Date	Shift	Time	Incinerable Waste (Yellow Bags)				Autoclavable Waste							
			Cytotoxic Bags		Yellow Bags		Red Bags		White		Blue			
														
			Nos	Kgs	Nos	Kgs	Nos	Kgs	Nos	Kgs	Nos	Kgs		
5/1/2019	Mor	8:05	1	1.8	7	128.59	15	353.47	2	3.45	2	17.82		
	Eve	2:00	0	0	2	16.49	4	41.37	1	2.76	1	11.51		
5/2/2019	Mor	7:45	1	2.48	10	177.64	14	315.78	3	9.61	4	41.15		
	Eve	2:05	0	0	2	15.67	3	39.82	2	9.38	2	20.98		
5/3/2019	Mor	7:51	1	4.07	8	157.73	21	475.26	1	3.77	1	13.02		
	Eve	2:10	2	6.88	3	26.24	3	39.19	1	1.38	2	22.08		
5/4/2019	Mor	7:55	1	2.38	7	128.73	14	335.6	2	10.11	2	26.14		
	Eve	2:00	0	0	3	55.04	2	48.15	1	2.27	1	9.66		
5/5/2019	Mor	10:10	1	2.65	8	158.17	15	337.27	1	1.31	2	21.34		
	Eve	0:00	0	0	0	0	0	0	0	0	0	0		
5/6/2019	Mor	8:00	0	0	7	114.4	9	193.69	2	4.82	5	59.68		
	Eve	2:10	1	1.84	2	17.58	2	19.21	1	1.73	4	43.4		
5/7/2019	Mor	7:40	0	0	10	155.59	14	277.46	3	11.46	1	7.08		
	Eve	2:20	0	0	1	8.55	2	30.93	0	0	1	13.23		
5/8/2019	Mor	8:00	1	2.65	8	142.53	11	249.91	1	3.75	2	20.25		
	Eve	2:25	1	3.38	3	26.55	4	75.2	1	5.47	2	13.73		
5/9/2019	Mor	8:00	0	0	7	153.14	10	247.28	2	9.08	4	38.46		
	Eve	2:35	1	3.61	2	19.63	3	39.09	2	4.03	1	7.71		
5/10/2019	Mor	8:05	1	1.8	7	130.45	15	296.51	3	16.23	5	52.02		
	Eve	1:40	0	0	1	8.09	1	21.86	1	0.38	1	9.76		
5/11/2019	Mor	7:50	1	1.91	8	151.79	11	241.01	2	5.59	1	3.44		
	Eve	1:15	0	0	2	14.49	2	25.55	0	0	0	0		
5/12/2019	Mor	8:00	0	0	9	138.48	10	252.95	2	19.45	6	61.12		
	Eve	0:00	0	0	0	0	0	0	0	0	0	0		
5/13/2019	Mor	7:50	0	0	5	90.73	11	216.68	2	3.48	5	57.36		
	Eve	2:10	1	11.26	0	0	1	19.62	1	3.72	1	4.26		
5/14/2019	Mor	7:55	1	1.38	9	205.68	14	371.75	2	10.22	4	39.17		
	Eve	1:20	0	0	2	23.38	2	26.98	1	1.69	2	27.7		
5/15/2019	Mor	8:30	1	1.69	7	174.5	15	354.14	2	6.64	4	35.11		
	Eve	2:05	0	0	2	17.57	2	30.97	0	0	0	0		
5/16/2019	Mor	7:40	1	4.58	8	155.97	15	330.22	3	16.53	4	46.66		
	Eve	1:40	0	0	2	30.98	3	48.06	1	1.91	2	22.69		
5/17/2019	Mor	10:30	1	2.64	8	204.68	12	330.15	1	3.6	3	29.55		
	Eve	0:00	0	0	0	0	0	0	0	0	0	0		
5/18/2019	Mor	7:30	1	2.38	9	185.8	14	329.49	3	8.83	3	37.72		
	Eve	12:52	0	0	2	26.18	2	27.7	1	4.14	1	8.31		
5/19/2019	Mor	11:30	1	6.42	9	190.55	16	415.84	3	10.9	6	67.96		
	Eve	0:00	0	0	0	0	0	0	0	0	0	0		
5/20/2019	Mor	7:50	0	0	6	116.66	10	214.5	3	17.24	4	45.6		
	Eve	3:14	0	0	2	19.99	2	46.24	1	4.7	2	29.52		
5/21/2019	Mor	8:14	1	0.31	9	157.54	18	375.76	2	6.84	1	9.81		
	Eve	1:40	0	0	2	18.4	3	38.91	1	4.15	1	9.47		
5/22/2019	Mor	7:45	0	0	8	162.01	16	350.84	1	3.53	3	19.37		
	Eve	2:00	0	0	2	32.92	2	47.46	1	2.11	1	10.21		
5/23/2019	Mor	8:05	1	4.49	9	156.55	17	362.15	3	12.38	5	52.59		
	Eve	2:25	0	0	2	31.21	2	30.1	1	1.21	1	4.82		
5/24/2019	Mor	8:30	1	2.08	9	182.42	16	331.95	1	3.18	3	33.82		
	Eve	2:17	0	0	3	28.59	3	24.75	0	0	1	9.25		
5/25/2019	Mor	8:15	1	3.61	9	195.41	15	363.9	2	3.85	4	41.44		
	Eve	1:44	0	0	2	26.22	2	44.52	1	5.54	1	13.39		
5/26/2019	Mor	10:20	1	1.85	11	266.22	17	417.9	2	6.71	3	33.21		
	Eve	0:00	0	0	0	0	0	0	0	0	0	0		
5/27/2019	Mor	8:00	0	0	6	103.65	9	197.08	2	6.75	4	39.85		
	Eve	1:13	0	0	2	20.4	3	31.79	1	3.62	1	10.62		
5/28/2019	Mor	8:10	0	0	9	180.5	15	337.92	3	18.59	5	53.04		
	Eve	1:45	0	0	2	18.77	2	22.19	1	3.13	1	13.07		
5/29/2019	Mor	8:00	1	8.21	9	174.75	14	284.1	2	4.13	6	26.50		
	Eve	1:40	0	0	3	41	4	55.01	0	0	2	31.71		
5/30/2019	Mor	7:55	1	2.96	8	165.72	13	322.36	2	12.5	5	44.24		
	Eve	2:40	0	0	2	27.98	2	54.22	1	4.42	1	14.4		
5/31/2019	Mor	8:10	1	2.46	9	122.83	17	321.85	2	7.16	3	31.54		
	Eve	1:47	0	0	2	16.18	2	27.07	1	0.85	1	13.26		
Total			Total Bags	Total Cytotoxic Weight	Total Bags	Total Yellow Weight	Total Bags	Total Red Weight	Total Bags	Total (Containers) Metal sharps Weight	Total Bags	Total (Cardboard boxes) Glass sharp		
	Mor		22	64.8	253	4929.41	433	9804.77	65	261.69	110	1106.06		
	Eve		6	26.97	53	588.1	63	955.96	23	68.59	34	374.74		
	G. Total		28	91.77	306	5517.51	496	10760.73	88	330.28	144	1480.80		
Vendor Name: BIOTIC WASTE LIMITED									Vehicle No: H.R 55 - 1374		Morning	16166.73	G. Total	18181.09
											Evening	2014.36		




Date	Shift	Time	Incinerable Waste (Yellow Bags)				Autoclavable Waste						
			Cytotoxic Bags		Yellow Bags		Red Bags		White		Blue		
													
			Nos	Kgs	Nos	Kgs	Nos	Kgs	Sharp Container Metal Sharps		Card Boxes Glass Sharps		
6/1/2019	Mor	7:50	0	0	6	171.36	14	339.45	2	4.83	3	30.16	
	Eve	1:00	0	0	1	5.79	1	17.5	1	10.57	1	4.15	
6/2/2019	Mor	7:35	0	0	8	160.54	16	375.06	2	1.78	6	70.48	
	Eve	0:00	0	0	0	0	0	0	0	0	0	0	
6/3/2019	Mor	7:50	0	0	5	115.07	9	119.97	2	9.11	10	112.69	
	Eve	1:17	0	0	2	28.17	3	46.54	1	0.94	0	0	
6/4/2019	Mor	7:30	0	0	6	152.07	14	362.98	0	0	0	0	
	Eve	13:40	1	3.45	2	14.03	2	23.79	3	7.5	6	49.52	
6/5/2019	Mor	7:30	1	3.44	8	153.64	15	390.34	4	11.06	3	33.48	
	Eve	3:35	1	3.5	3	49.53	4	71.3	1	0.49	2	16.17	
6/6/2019	Mor	7:45	1	3.89	9	170.79	14	337.54	3	9.92	1	15.29	
	Eve	1:45	0	0	2	9.55	2	27.21	1	1.6	1	12.01	
6/7/2019	Mor	7:45	1	7.05	8	178.43	17	424.39	1	22.08	3	42.77	
	Eve	2:25	0	0	2	14.16	2	29.66	1	3.81	1	12.03	
6/8/2019	Mor	8:25	1	1.85	2	149.73	15	411.98	2	6.56	7	103.69	
	Eve	2:00	0	0	2	46.26	3	46.91	0	0	3	26.16	
6/9/2019	Mor	11:40	1	4.01	8	136.33	15	345.42	1	1.29	4	32.38	
	Eve	0:00	0	0	0	0	0	0	0	0	0	0	
6/10/2019	Mor	7:45	1	4.01	6	115.54	9	231.72	2	10.58	3	37.21	
	Eve	2:20	0	0	2	26.64	3	52.43	2	6.04	2	23.86	
6/11/2019	Mor	8:05	1	6.44	7	174.8	13	310.51	2	3.56	5	47.19	
	Eve	3:05	0	0	2	40.91	2	35.14	1	2.14	1	7.07	
6/12/2019	Mor	8:00	1	6.81	8	153.54	16	351.02	3	14.5	1	10.41	
	Eve	1:44	0	0	3	56.91	2	22.21	1	6.82	0	0	
6/13/2019	Mor	8:00	1	4.47	9	197.3	16	362.57	1	3.83	3	37.69	
	Eve	2:18	0	0	3	41.96	3	38.49	1	4.75	2	17.9	
6/14/2019	Mor	7:55	0	0	8	177.22	17	389.26	4	6.79	4	42.61	
	Eve	2:30	0	0	2	18.83	2	34.1	1	1.36	1	12.76	
6/15/2019	Mor	8:00	0	0	9	167.86	16	354.44	2	4.07	4	40.6	
	Eve	1:45	1	3.23	1	3.23	1	3.96	1	5.18	0	0	
6/16/2019	Mor	7:30	0	0	9	166.81	17	404.91	7	14.05	6	39.78	
	Eve	0:00	0	0	0	0	0	0	0	0	0	0	
6/17/2019	Mor	7:50	0	0	7	139.51	11	231.07	3	11.86	5	55.47	
	Eve	0:00	0	0	0	0	0	0	0	0	0	0	
6/18/2019	Mor	8:00	1	4.14	9	205.93	15	366.3	3	14.05	6	79.98	
	Eve	2:25	0	0	3	50.84	2	11.19	2	3.68	1	8.75	
6/19/2019	Mor	8:10	1	4.44	7	147.36	15	363.22	2	3.59	2	18.6	
	Eve	2:20	0	0	2	15.58	3	70.26	2	10.52	3	34.86	
6/20/2019	Mor	7:55	1	3.78	7	154.04	13	316.25	2	6.71	2	20.51	
	Eve	2:24	0	0	3	29.59	4	45.99	1	3.86	1	11.2	
6/21/2019	Mor	8:05	1	4.63	9	182.16	13	333.1	2	3.64	2	23.19	
	Eve	2:00	0	0	3	28.73	3	38.27	2	5.77	2	8.52	
6/22/2019	Mor	8:10	1	4.32	9	162.86	17	352.33	2	3.14	8	55.27	
	Eve	1:54	0	0	2	17.37	3	42.62	1	1.05	2	24.6	
6/23/2019	Mor	8:50	1	1.41	8	154.8	16	347.06	2	4.46	4	38.72	
	Eve	0:00	0	0	0	0	0	0	0	0	0	0	
6/24/2019	Mor	8:00	1	3.69	7	136.77	9	189.73	4	14.61	2	23.82	
	Eve	2:05	0	0	2	11.76	2	13.66	1	0.85	2	22.24	
6/25/2019	Mor	8:10	1	2.65	10	205.41	16	383.27	3	11.37	2	19.28	
	Eve	2:00	0	0	2	18.51	2	24.53	0	0	2	14.38	
6/26/2019	Mor	7:55	1	5.39	8	183	17	407.82	2	6.19	4	45.6	
	Eve	2:30	0	0	2	34.07	2	49.91	1	3.36	1	15.25	
6/27/2019	Mor	8:05	1	3.95	9	175.97	13	336.75	3	11.24	2	16.84	
	Eve	1:55	0	0	2	25.05	2	45.52	0	0	1	9.68	
6/28/2019	Mor	8:10	0	0	9	194.8	16	387.25	4	18.06	3	25.13	
	Eve	2:50	0	0	2	34.78	2	32.49	0	0	2	21.61	
6/29/2019	Mor	8:30	1	3.97	9	171.74	15	377.44	5	10.92	6	45.22	
	Eve	1:55	0	0	2	21.8	2	36.58	1	1.89	1	1.89	
6/30/2019	Mor	7:55	0	0	11	209.35	15	362.57	1	2.8	5	58.93	
	Eve	0:00	0	0	0	0	0	0	0	0	0	0	
Total			Total Bags	Total Cytotoxic Weight	Total Bags	Total Yellow Weight	Total Bags	Total Red Weight	Total Bags	Total (Containers) Metal sharps Weight	Total Bags	Total (Cardboard boxes) Glass sharp	
	Mor		20	84.34	235	4964.73	434	10265.72	76	246.65	116	1222.99	
	Eve		3	10.18	52	644.05	57	860.26	26	82.18	38	354.61	
G. Total			23	94.52	287	5608.78	491	11125.98	102	328.83	154	1577.6	
Vendor Name: BIOTIC WASTE LIMITED									Morning	16784.43	G. Total		18735.71
Vehicle No: H.R 55 - 1374									Evening	1951.28			

Date	Shift	Time	Incinerable Waste (Yellow Bags)						Autoclavable Waste					
			Cytotoxic Bags 		Yellow Bags 		Red Bags 		White		Blue			
			Nos	Kgs	Nos	Kgs	Nos	Kgs	Nos	Kgs	Sharp Container 		Card Boxes 	
											Metal Sharps		Glass Sharps	
								Nos	Kgs	Nos	Kgs			
7/1/2019	Mor	8:10	1	2.57	7	125.34	10	211.2	4	21.11	6	51.93		
	Eve	0:00	0	0	0	0	0	0	0	0	0	0		
7/2/2019	Mor	7:55	1	2.47	9	188.52	17	430.88	3	15.55	6	76.25		
	Eve	2:15	1	4.82	2	39.68	2	50.99	1	2.8	0	0		
7/3/2019	Mor	8:10	1	2.04	6	145.22	17	385.17	2	4.25	2	23.29		
	Eve	2:18	0	0	2	40.53	2	51.53	1	2.88	1	16.03		
7/4/2019	Mor	7:55	1	7.57	8	160.35	16	362.54	2	6.74	3	35.6		
	Eve	2:11	0	0	3	31.5	3	19.91	1	2.44	1	4.21		
7/5/2019	Mor	8:45	1	2.31	7	153.53	14	366.69	2	6.37	5	59.19		
	Eve	1:25	0	0	2	22.71	2	28.61	1	0.79	2	19.8		
7/6/2019	Mor	8:15	0	0	9	182.59	15	411.64	2	4.74	4	25.91		
	Eve	2:10	0	0	2	24.68	2	31.58	1	4.01	1	12.14		
7/7/2019	Mor	11:05	1	2.05	8	153.66	14	369.41	2	6.65	4	37.41		
	Eve	0:00	0	0	0	0	0	0	0	0	0	0		
7/8/2019	Mor	8:00	1	2.79	7	156.17	10	203.59	3	15.86	7	67.47		
	Eve	2:08	0	0	2	13.46	2	21.88	1	3.56	1	15.26		
7/9/2019	Mor	8:15	1	3.81	10	212.17	17	395.84	2	4.64	4	45.67		
	Eve	2:15	0	0	2	20.44	2	45.12	1	3.29	1	10.07		
7/10/2019	Mor	7:50	1	4.41	9	198.18	16	406.21	2	4.13	4	28.95		
	Eve	2:00	0	0	3	33.09	4	45.07	1	1.45	1	12.72		
7/11/2019	Mor	8:00	1	8.41	8	160.57	16	354.57	2	8.72	2	15.22		
	Eve	2:10	0	0	2	25.5	2	27.62	2	6.25	1	12.62		
7/12/2019	Mor	7:55	1	8.71	9	183.08	15	342.26	1	2.14	1	15.46		
	Eve	3:00	0	0	3	44.57	3	32.2	1	1.09	1	33.3		
7/13/2019	Mor	7:40	1	1.45	9	178.74	18	363.41	3	11.57	3	36.98		
	Eve	1:24	0	0	1	12.54	1	4	1	2.56	1	8.05		
7/14/2019	Mor	10:45	1	4.16	9	200.89	15	369.83	3	9.38	4	43.99		
	Eve	0:00	0	0	0	0	0	0	0	0	0	0		
7/15/2019	Mor	8:00	0	0	7	148.82	10	204.86	3	63.78	4	85.04		
	Eve	1:05	0	0	3	23	3	20.85	0	0	3	30.67		
7/16/2019	Mor	7:40	1	1.41	10	223.71	17	370.43	4	10.73	3	33.36		
	Eve	1:51	0	0	2	20.11	2	27.93	0	0	1	5.35		
7/17/2019	Mor	7:45	1	2.73	9	200.84	14	346.49	2	6.2	2	31.72		
	Eve	2:01	0	0	2	8.78	2	9.86	2	4.36	2	11.98		
7/18/2019	Mor	7:50	1	4.38	10	154.27	15	318.56	2	2.25	3	26.31		
	Eve	2:17	0	0	2	20	3	37.71	1	2.19	1	9.78		
7/19/2019	Mor	7:45	1	1.43	9	159.74	17	416.12	3	7.15	4	39.09		
	Eve	1:50	0	0	2	37.96	2	27.3	1	1.32	1	2.89		
7/20/2019	Mor	7:50	1	3.32	12	201.84	20	391.59	2	5.68	3	27.62		
	Eve	2:20	0	0	2	21.67	2	33.37	2	5.96	1	11.3		
7/21/2019	Mor	10:40	1	2.88	9	160.84	15	378.71	3	12.87	4	40.63		
	Eve	0:00	0	0	0	0	0	0	0	0	0	0		
7/22/2019	Mor	8:25	1	4.34	7	161.88	11	229.95	3	14.23	6	70.77		
	Eve	2:35	0	0	2	17.81	4	54.02	1	1.58	1	11		
7/23/2019	Mor	8:00	0	0	9	201.89	18	382.23	2	8.64	2	15.51		
	Eve	2:18	0	0	1	8.53	2	25.76	0	0	1	3.84		
7/24/2019	Mor	7:50	1	4.99	9	212.57	14	374.71	2	8.16	3	35.25		
	Eve	2:25	1	1.91	2	11.79	3	40.31	2	4.75	1	5.85		
7/25/2019	Mor	8:10	0	0	9	181.98	13	377.12	2	5.01	2	16.65		
	Eve	2:10	0	0	2	19.91	2	20.29	1	2.72	1	9.56		
7/26/2019	Mor	8:00	1	6.72	10	203.89	15	363.14	2	4.16	4	43.65		
	Eve	0:00	0	0	0	0	0	0	0	0	0	0		
7/27/2019	Mor	7:56	1	2.87	11	207.2	17	386.37	2	7.46	5	58.52		
	Eve	2:00	0	0	1	5.45	2	29.53	1	2.84	1	5.06		
7/28/2019	Mor	11:45	1	4.16	11	222.72	16	322.11	2	1.8	4	56.2		
	Eve	0:00	0	0	0	0	0	0	0	0	0	0		
7/29/2019	Mor	8:05	0	0	6	111.57	9	167.59	3	15.76	7	81.24		
	Eve	2:00	0	0	2	32.51	2	33.14	0	0	2	19.96		
7/30/2019	Mor	8:10	1	4.96	8	197.48	15	344.06	2	7.77	2	18.54		
	Eve	2:17	1	0.72	2	25.72	2	31.9	1	1.86	2	22.33		
7/31/2019	Mor	8:00	1	2.88	11	208.68	15	381.46	3	9.14	1	11.43		
	Eve	2:25	0	0	1	8.67	2	31.1	1	0.69	0	0		
Total			Total Bags	Total Cytotoxic Weight	Total Bags	Total Yellow Weight	Total Bags	Total Red Weight	Total Bags	Total (Containers) Metal sharps Weight	Total Bags	Total (Cardboard boxes) Glass sharp		
	Mor		26	99.82	272	5558.93	461	10728.74	75	312.64	114	1254.85		
	Eve		3	7.45	50	570.61	58	781.58	25	59.39	29	293.77		
G. Total			29	107.27	322	6129.54	519	11510.32	100	372.03	143	1548.62		
Vendor Name:		BIOTIC WASTE LIMITED						Vehicle No: H.R 55 - 1374		Morning	17954.98	G. Total	19667.78	
										Evening	1712.80			

Date	Shift	Time	Incinerable Waste (Yellow Bags)						Autoclavable Waste				
			Cytotoxic Bags		Yellow Bags		Red Bags		White		Blue		
									Sharp Container		Card Boxes		
			Nos	Kgs	Nos	Kgs	Nos	Kgs	Nos	Kgs	Nos	Kgs	
8/1/2019	Mor	8:15	1	2.64	8	153.44	15	350.88	4	4.55	6	25.44	
	Eve	2:00	1	7.29	2	32.43	3	38.91	1	0.63	1	9.34	
8/2/2019	Mor	8:05	1	1.88	8	171.45	14	324.9	2	5.72	4	48.51	
	Eve	2:05	0	0	2	24.15	3	38.5	0	0	1	10.8	
8/3/2019	Mor	8:10	1	3.45	11	181.78	18	369.11	2	4.29	3	27.04	
	Eve	2:10	0	0	2	20.75	2	30.33	1	0.78	0	0	
8/4/2019	Mor	11:15	1	4.84	11	225.76	15	330.48	2	10.04	7	77.95	
	Eve	0:00	0	0	0	0	0	0	0	0	0	0	
8/5/2019	Mor	8:10	0	0	7	156.45	10	226.78	3	13.87	5	56.58	
	Eve	2:15	0	0	2	9.45	2	34.05	0	0	1	11.37	
8/6/2019	Mor	8:35	1	2.86	8	161.38	15	356.7	2	6.41	3	36.72	
	Eve	1:45	1	1.7	2	34.19	2	29.22	1	1.05	1	13.15	
8/7/2019	Mor	8:10	1	3.12	8	153.26	16	361.91	2	7.23	3	27.63	
	Eve	2:28	0	0	2	24.65	2	41.85	2	15.58	1	6.07	
8/8/2019	Mor	8:00	1	2.41	11	245.37	19	418.48	2	3.16	4	38	
	Eve	2:00	1	3.15	2	32.38	3	44.27	1	3.01	1	10.09	
8/9/2019	Mor	8:10	0	0	9	199.59	15	365.46	1	4.54	3	31.12	
	Eve	2:08	0	0	2	30.2	3	34.37	1	1.32	1	10.12	
8/10/2019	Mor	8:00	1	4.62	12	247.18	17	399.8	2	6.46	5	40.83	
	Eve	2:10	0	0	2	36.22	3	46.6	1	4.16	1	12.13	
8/11/2019	Mor	10:50	1	2.3	9	200.62	15	384.24	2	8.7	3	45.31	
	Eve	0:00	0	0	0	0	0	0	0	0	0	0	
8/12/2019	Mor	8:15	0	0	7	125.34	11	248.22	3	20.47	6	69.04	
	Eve	2:00	0	0	2	16.28	2	25.37	1	0.58	2	18.64	
8/13/2019	Mor	8:10	1	5.82	10	199.23	16	364.29	2	6.62	2	22.41	
	Eve	2:35	0	0	2	19.14	3	41.45	1	2.06	1	13.18	
8/14/2019	Mor	8:24	1	4.28	8	172.96	14	340.52	2	9.85	2	26.91	
	Eve	2:05	0	0	1	5.07	2	36.11	1	1.85	1	10.89	
8/15/2019	Mor	11:20	1	5.38	10	209.72	18	381.2	3	9.37	3	30.84	
	Eve	0:00	0	0	0	0	0	0	0	0	0	0	
8/16/2019	Mor	7:50	0	0	8	172.3	9	180.7	1	3.25	3	32.08	
	Eve	2:15	0	0	2	24.91	2	29.19	0	0	3	24.26	
8/17/2019	Mor	8:05	1	3.24	8	181.91	16	383.96	2	7.75	3	20.44	
	Eve	2:55	0	0	2	29.65	3	47.2	1	1.2	1	1.5	
8/18/2019	Mor	11:30	0	0	8	193.06	13	306.31	1	3.99	3	33.26	
	Eve	0:00	0	0	0	0	0	0	0	0	0	0	
8/19/2019	Mor	8:15	0	0	6	110.79	10	223.83	3	19.04	7	78.4	
	Eve	2:15	0	0	2	12.94	2	10.34	0	0	0	0	
8/20/2019	Mor	7:55	1	3.92	3	190.54	16	391.93	3	7.33	3	38.25	
	Eve	2:10	0	0	2	14.45	2	20.11	1	1.92	3	42.99	
8/21/2019	Mor	8:15	1	5.27	8	159.28	17	408.42	2	7.89	2	17.92	
	Eve	2:50	0	0	2	23.16	4	60.41	1	2.15	1	8.12	
8/22/2019	Mor	7:55	1	2.53	8	161.35	15	315.71	2	7.88	7	71.86	
	Eve	2:55	0	0	2	28.64	3	47.89	1	2.66	2	16.9	
8/23/2019	Mor	8:00	0	0	9	188.12	12	355.23	3	15.53	1	5.85	
	Eve	2:25	0	0	2	27.92	3	31.57	1	0.85	2	16.26	
8/24/2019	Mor	8:15	1	4.31	9	170.36	14	335.77	2	3.71	5	40.65	
	Eve	2:00	0	0	2	21.46	2	30	1	0.96	1	11.26	
8/25/2019	Mor	12:00	1	0.86	8	174.78	17	371.77	2	6.84	5	53	
	Eve	0:00	0	0	0	0	0	0	0	0	0	0	
8/26/2019	Mor	7:50	0	0	8	141.8	10	212.35	9	13.13	7	57.05	
	Eve	2:30	0	0	2	13.05	2	39.75	0	0	0	0	
8/27/2019	Mor	7:35	0	0	10	190.68	15	351.48	1	12.1	5	55.57	
	Eve	2:40	1	1.38	2	28.55	3	48.56	2	4	1	9.75	
8/28/2019	Mor	7:40	0	0	8	160.29	14	345.93	2	9.76	3	23.81	
	Eve	2:45	0	0	3	45.36	3	56.86	1	4.39	1	12.2	
8/29/2019	Mor	7:25	0	0	8	141.34	14	296.16	1	1.85	4	35.45	
	Eve	2:15	0	0	4	65.37	3	30.48	0	0	1	10.8	
8/30/2019	Mor	8:05	0	0	10	166.58	17	419.56	2	6.96	5	46.54	
	Eve	2:50	0	0	2	30	2	37.95	1	2.47	2	37.18	
8/31/2019	Mor	8:10	1	2.58	8	179.81	14	335.6	3	7.01	4	34.14	
	Eve	2:05	1	2.14	2	12.02	2	28.21	1	1.04	1	13.09	
Total			Total Bags	Total Cytotoxic Weight	Total Bags	Total Yellow Weight	Total Bags	Total Red Weight	Total Bags	Total (Containers) Metal sharps Weight	Total Bags	Total (Cardboard boxes) Glass sharp	
	Mor		19	66.31	264	5486.52	451	10457.68	73	255.3	126	1248.60	
	Eve		5	15.66	54	662.39	66	959.55	22	52.66	31	330.09	
G. Total			24	81.97	318	6148.91	517	11417.23	95	307.96	157	1578.69	
Vendor Name: BIOTIC WASTE LIMITED									Morning	17514.41	G. Total		19534.76
Vehicle No: H.R 55 - 1374									Evening	2020.35			

BIO-MEDICAL WASTE WEIGHT MONTHLY REPORT

Month : . September, 2019

Date	Shift	Time	Incinerable Waste (Yellow Bags)				Autoclavable Waste					
			Cytotoxic Bags		Yellow Bags		Red Bags		White		Blue	
									Sharp Container		Card Boxes	
			Nos		Kgs		Nos		Kgs		Metal Sharps	
		Nos	Kgs	Nos	Kgs	Nos	Kgs	Nos	Kgs	Nos	Kgs	
01/09/2019	Mor	11:43	1	2	10	219.52	17	388.41	3	7.26	5	45.06
	Eve	00:00	0	0	0	0	0	0	0	0	0	0
02/09/2019	Mor	08:05	1	0.51	7	132.23	9	191.44	3	12.26	3	31.32
	Eve	02:37	0	0	3	50.09	4	53.1	1	2.14	1	5.08
03/09/2019	Mor	08:15	0	0	10	172.14	14	325.32	2	6.53	4	47.01
	Eve	02:10	0	0	3	27.29	3	44.15	1	2.62	2	18.23
04/09/2019	Mor	08:54	0	0	9	170.46	13	324.08	2	11	1	8.8
	Eve	02:00	0	0	5	18.55	2	14	1	0.4	4	31.15
05/09/2019	Mor	08:35	1	4.14	8	180.11	16	366.83	3	4.81	3	42.29
	Eve	01:31	0	0	2	32.41	3	58.25	0	0	0	0
06/09/2019	Mor	08:10	1	3.21	10	175.71	16	355.81	2	3.25	0	0
	Eve	02:45	0	0	2	20.98	2	45.18	1	1.42	1	16.12
07/09/2019	Mor	08:45	1	6.14	9	187.32	16	388.75	3	10.47	7	51.73
	Eve	02:15	0	0	2	24.72	2	30.88	1	2.59	1	12.12
08/09/2019	Mor	12:00	0	0	9	193.69	13	334.73	2	6.51	7	75.18
	Eve	00:00	0	0	0	0	0	0	0	0	0	0
09/09/2019	Mor	08:00	0	0	7	121.01	8	194.86	3	9.91	4	38.33
	Eve	08:24	0	0	2	21.91	4	37.7	1	1.15	3	32.14
10/09/2019	Mor	08:05	1	1.4	8	187.44	15	393	2	8.63	2	20.14
	Eve	02:30	0	0	2	24.5	3	67.39	0	0	2	25.56
11/09/2019	Mor	08:10	0	0	8	161.66	13	332.97	2	6.22	2	27.44
	Eve	02:25	0	0	2	23.12	2	39.04	1	0.82	1	4.44
12/09/2019	Mor	09:00	1	4.34	9	200.45	16	363.83	2	5.3	4	43.19
	Eve	02:20	0	0	2	24.66	3	53.39	0	0	2	14.42
13/09/2019	Mor	08:25	1	6.22	8	174.96	15	367.97	2	5.43	1	8.72
	Eve	03:00	0	0	2	34.28	2	49.82	1	2.36	1	10.36
14/09/2019	Mor	08:50	0	0	9	179.56	14	348.29	2	7.6	6	46.01
	Eve	01:50	0	0	2	22.49	3	73.19	0	0	2	14.19
15/09/2019	Mor	11:00	0	0	9	146.49	12	276.9	2	4.6	13	164.38
	Eve	00:00	0	0	0	0	0	0	0	0	0	0
16/09/2019	Mor	08:24	1	3.82	7	132.98	10	299.67	3	12.71	5	43.41
	Eve	02:20	0	0	2	27.02	3	52.74	2	27.68	2	9.92
17/09/2019	Mor	08:10	0	0	11	213.67	15	380.05	3	7.49	3	33.55
	Eve	02:05	1	1.39	2	27.09	2	18.48	0	0	1	12.01
18/09/2019	Mor	08:20	0	0	8	170.05	16	409.8	3	12.04	3	41.1
	Eve	02:40	0	0	2	26.74	2	45.52	1	1.34	1	12.63
19/09/2019	Mor	08:30	1	8.86	8	185.1	16	336.19	2	5.93	3	30.77
	Eve	02:35	0	0	2	35.53	3	46.12	1	1.39	2	23.14
20/09/2019	Mor	08:25	0	0	8	163.12	15	348.03	2	5.52	6	74.85
	Eve	02:15	0	0	2	28.42	3	41.18	2	7.87	1	6.53
21/09/2019	Mor	08:10	1	4.58	7	157.39	14	330.1	2	4.48	3	38.31
	Eve	02:12	0	0	2	14.4	2	41.2	1	3.8	1	8.58
22/09/2019	Mor	09:50	0	0	8	177.97	15	380.17	2	10.02	3	25.62
	Eve	00:00	0	0	0	0	0	0	0	0	0	0
23/09/2019	Mor	08:35	0	0	7	108.62	10	191.09	2	5.44	5	57.37
	Eve	02:15	0	0	2	35.62	2	43.37	1	3.76	2	34.38
24/09/2019	Mor	08:15	2	3.4	8	164.89	13	364.82	2	6.21	5	57.14
	Eve	02:18	0	0	1	13.54	2	28.04	1	2.38	1	3.22
25/09/2019	Mor	08:15	1	1.96	7	214.43	15	377.7	2	3.56	2	18.12
	Eve	02:05	0	0	2	17.38	2	27.94	1	1.66	1	12.08
26/09/2019	Mor	08:20	1	6.31	9	180.46	14	332.05	2	9.15	3	38.69
	Eve	02:10	0	0	2	22.46	2	36.76	1	2.39	2	20.56
27/09/2019	Mor	08:15	0	0	10	224.24	16	396.29	2	5.07	3	25.42
	Eve	02:35	0	0	1	16.94	2	39.38	1	0.57	1	8.38
28/09/2019	Mor	08:05	0	0	9	202.51	12	352.64	3	7.42	5	58.17
	Eve	02:10	0	0	2	25.16	2	42.96	0	0	1	9.41
29/09/2019	Mor	11:20	1	2.32	8	160.84	16	372.37	3	15.99	6	70.75
	Eve	00:00	0	0	0	0	0	0	0	0	0	0
30/09/2019	Mor	08:30	0	0	8	136.52	11	206.41	2	14.09	7	71.49
	Eve	01:55	0	0	1	15.71	1	15.46	1	0.91	1	6.87
Total			Total Bags	Total Cytotoxic Weight	Total Bags	Total Yellow Weight	Total Bags	Total Red Weight	Total Bags	Total (Containers) Metal sharps Weight	Total Bags	Total (Cardboard boxes) Glass sharp
	Mor		16	59.21	253	5195.54	415	10030.57	70	234.9	124	1334.36
	Eve		1	1.39	52	631.01	61	1045.24	21	67.25	37	351.52
G. Total			17	60.6	305	5826.55	476	11075.81	91	302.15	161	1685.88
									Morning	16854.58		
									Evening	2096.41	G. Total	18950.99

Vendor Name:

BIOTIC WASTE LIMITED EC Compliance Report, Artemis Hospital, North County, Dublin 24, Ireland. Page 22

Vehicle No: JB 55M-9296



हरियाणा HARYANA

T 968907

SERVICE AGREEMENT

This **SERVICE AGREEMENT** (hereinafter referred to as "Agreement") is made and executed at Gurgaon on this 28th day of May, 2018 by and between:

M/s **Vulcan Waste Management Private Limited**, a Company registered under the provisions of the Companies Act, 1956, having PAN: AADCV1049G and having its treatment facility at Plot No.725, Pace City-II, Sec.37 Gurugram, Haryana and its Registered office at 1046, Sector-31, Gurugram, Haryana, acting through its authorized representative, Mr. Anup Yadav, Marketing Manager (hereinafter referred to as "**Vulcan**") which expression shall, unless contrary to and/or repugnant to the context mean and include its successors, representatives and permitted assigns) of the **First Part**,

AND

M/s **Artemis Medicare Services Limited**, a Company registered under the provisions of the Companies Act, 1956, having PAN: AAFCA0130M and having its registered office at Plot No. 14, Sector-20, Dwarka, New Delhi – 110075, acting through its authorized representative Mr. Navneet Goel, Head – Legal & Company Secretary (hereinafter referred to as "**Artemis**") which expression shall, unless contrary to and / or repugnant to the context mean and include its successors, representatives and permitted assigns) of the **Second Part**.

[**Vulcan** and **Artemis** shall herein wherever the context may so require be collectively referred to as "**Parties**" and individually as a "**Party**"]



Navneet Goel



WHEREAS:

- a) Vulcan has been authorized by the Haryana State Pollution Control Board (HSPCB) vide **Authorisation Letter No.: BMW18GUSO5185039 dated 27th March 2018** under Bio-Medical Waste (Management & Handling) Rules, 1998 (BMW) Rules as amended, for operation of a common facility for the Collection, Reception, Treatment, Storage, Transportation and Disposal of Bio-Medical Waste in Haryana and the Authorisation is valid up till **30th September 2022**.
- b) Artemis is engaged in the business of providing medical & patient care services through its hospital as listed in **Annexure-A** (hereinafter referred as "Premises").
- c) Artemis in compliance of the Bio-Medical Waste Management Rules, 2016/Bio-medical Waste (Management & Handling) Rules, 1998, has desired to avail the services of Vulcan for disposal of its Bio-Medical Waste (except liquid bio-medical waste).

NOW THIS AGREEMENT witness the following terms & conditions to be performed by both the parties to the agreement:

1. Interpretation

In this Agreement, unless the context or subject matter otherwise requires:

- a) The singular includes the plural and vice versa;
- b) Words importing one gender include the other gender and words importing persons include corporations and unincorporated bodies of persons and vice-versa;
- c) References to Clauses, Schedules and Appendices are references to clauses, schedules and appendices of this Agreement;
- d) References to agreements and deeds include all renewals, extensions and amendments thereof;
- e) The headings to this Agreement are inserted for ease of reference only and shall not affect the interpretation or construction thereof; and
- f) Any reference to a statutory provision includes that provision as from time-to-time modified or amended or re-enacted so far as such modification or re-enactment applies or is capable of applying to this Agreement.

2. Scope of Services

Artemis will arrange collection, and ensure proper segregation of Bio-medical Waste generated from its various department/wards, as per Bio-Medical Waste Management Rules, 2016/Bio-medical Waste (Management & Handling) Rules, 1998, from its Premises. Vulcan will arrange for transportation, treatment and disposal of Bio-Medical Waste handed over by Artemis as per terms and conditions mentioned in HSPCB Authorization, attached as **Annexure-C**.

3. Responsibilities and Duties of Artemis

- a) Artemis will ensure that all the Bio Medical Waste i.e. incinerable and autoclavable waste (including plastic waste) is handed over to Vulcan. All infected material including culture plates, laboratory sample (autoclavable) shall be segregated in yellow bags at user level and given to Vulcan. A policy document shall be made by Vulcan which will prescribe in detail the procedural policies employed by Vulcan for the final disposal (incineration, autoclaving, shredding) of waste from the various bags.
- b) Artemis will pack the segregated Bio-Medical as per rules, at the collection end point, in Colour Coded Bags, Label the said bags as per the Bio-Medical Waste Management Rules, 2016/Bio-medical Waste (Management & Handling) Rules, 1998 and keep them ready for collection by Vulcan's collection staff twice a day during 6 a.m. to 10 p.m. or any other time which may be mutually agreed upon.



Reena v Pinan



f) No waiver of any breach of any provision of this Agreement shall constitute a waiver of any prior, concurrent or subsequent breach of the same of any other provisions hereof, and no waiver shall be effective unless made in writing and signed by an authorized representative of the waiving Party.

IN WITNESS WHEREOF, THE PARTIES HERETO HAVE SET THEIR HANDS AND SEAL ON THE DAY AND YEAR FIRST ABOVE WRITTEN

For Artemis Medicare Services Limited



By: Mr. Navneet Goel
(Head – Legal & Company Secretary)

For Vulcan Waste Management Private Limited

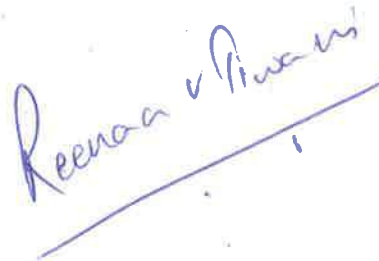


By: Mr. Anup Yadav
(Marketing Manager)

Witnesses:

1.

2.



LIST OF LOCATIONS

1. Artemis Hospital
Sector-51,
Gurugram – 122001 (Haryana)



Renoo v Pawan



MONTHLY SERVICE CHARGES

S. No.	Locations	Monthly Service Charge for Bio-Medical Waste Pick-Up & Disposal
01	Artemis Hospital Sector-51, Gurugram (Haryana)	Rs. 2,50,000/- (Rupees Two Lakh Fifty Thousand) upto 12,000 Kg per month
		Rs. 22/- (Rupees Twenty Two) per Kg beyond 12,000 Kg

Note:

Above service charge is exclusive of the Goods & Service Tax and other related cess & levies.



Reena v Misra





Indian-Non Judicial Stamp Haryana Government



Date : 09/01/2019

Certificate No. G0I2019A1839



Stamp Duty Paid : ₹ 101

GRN No. 43127645



(Rs. Only)

Penalty : ₹ 0

(Rs. Zero Only)

Deponent

Name : Ecogreen Energy gurgaon Faridabad pvt ltd
 H.No/Floor : Na Sector/Ward : Na Landmark : Na
 City/Village : Gurugram District : Gurugram State : Haryana
 Phone : 0



Purpose : CONTRACT to be submitted at Concerned office

The authenticity of this document can be verified by scanning this QR Code Through smart phone or on the website <https://egrashry.nic.in>

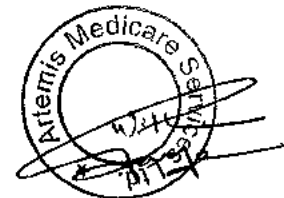
SERVICE AGREEMENT

This Service Agreement (hereinafter referred to as "Agreement") is made and executed at Gurugram on this 09 day of January, 2019 by and between:

Ecogreen Energy Faridabad-Gurgaon Private Limited, a Company registered under the provisions of the Companies Act, 1956/2013, having PAN: AAECE5225C and having its registered office at 603-607,ILD Trade Centre, Sector-47, Sohna Road, Gurgaon, Haryana-122002, acting through its authorized representative, Mr. Vishvdeep designated as Executive (hereinafter referred to as "**Vendor**") which expression shall, unless contrary to and/or repugnant to the context mean and include it's successors, representatives and permitted assigns) of the **First Part**;

AND

Artemis Medicare Services Limited, a Company registered under the provisions of the Companies Act, 1956, having PAN: AAFCA0130M and having its registered office at Plot No. 14, Sector-20, Dwarka, New Delhi - 110075 and corporate office at Artemis Hospital, Sector-51, Gurugram - 122001, Haryana, acting through its authorized representative, Mr. Navneet Goel, Head-Legal & Company Secretary (hereinafter referred to as "**Artemis**") which expression shall, unless contrary to and / or repugnant to the context mean and include it's successors, representatives and permitted assigns) of the **Second Part**.



[Vendor and Artemis shall herein wherever the context may so require be collectively referred to as "Parties" and individually as a "Party"]

WHEREAS:

- a) Vendor is engaged in the business of operation of a common facility for the Collection, Transportation, Processing and Disposal of General Waste in Haryana.
- b) Artemis is engaged in the business of providing medical & patient care services through its tertiary care super specialty hospital in name of 'Artemis Hospital' at Sector-51, Gurugram – 122001, Haryana (hereinafter referred to as "**Premises**").
- c) Artemis has desired to avail the services of Vendor for collection, transportation and disposal of the General Waste generated from its Premises.

NOW THIS AGREEMENT witness the following terms & conditions to be performed by both the parties to the Agreement:

1. Definition

"**General Waste**" means material from businesses and households that cannot be recycled and does not pose an immediate hazard or threat to health or to the environment. It includes materials such as non-recyclable plastics, polythene, some packaging, kitchen scraps & leftovers, etc.

2. Interpretation

In this Agreement, unless the context or subject matter otherwise requires:

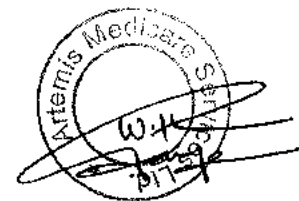
- a) The singular includes the plural and vice versa;
- b) Words importing one gender include the other gender and words importing persons include corporations and unincorporated bodies of persons and vice-versa;
- c) References to Clauses, Schedules and Appendices are references to clauses, schedules and appendices of this Agreement;
- d) References to agreements and deeds include all renewals, extensions and amendments thereof;
- e) The headings to this Agreement are inserted for ease of reference only and shall not affect the interpretation or construction thereof; and
- f) Any reference to a statutory provision includes that provision as from time-to-time modified or amended or re-enacted so far as such modification or re-enactment applies or is capable of applying to this Agreement.

3. Scope of Services

Vendor will arrange for collection, transportation, processing and disposal of General Waste handed over by Artemis generated from its Premises.

4. Responsibilities and Duties of Artemis

- a) Artemis will ensure that all the General Waste is handed over to Vendor. All General Waste shall be segregated in black bags at user level and given to Vendor.
- b) Artemis will pack the segregated General Waste, at the collection end point, in black colour Bags and keep them ready for collection by Vendor's collection staff during 6 a.m. to 10 p.m. or any other time which may be mutually agreed upon.
- c) Artemis will itself arrange for all bags to be used for internal segregation & for their end point purposes.



- d) Artemis's responsibility will cease once the segregated general waste, duly packed, labeled and signed, has been handed over to Vendor.

5. Responsibilities and Duties of Vendor

- a) General Waste will be collected on daily basis (7 days a week) by Vendor and the transport vehicle used by Vendor shall be covered and there should be no spillage of General Waste while transportation.
- b) Vendor will require Artemis's staff/representative to sign its daily Waste Collection Sheet in acknowledgement of General Waste handed over. Vendor's staff will sign the Record Book to be maintained by Artemis in acknowledgement of waste collected.
- c) Vendor will provide I.D cards and dress to its personnel/staff who will be coming to Artemis Premises for collection of General Waste.
- d) Vendor shall ensure proper cleaning of the waste disposal area in the Premises after loading the General Waste in the vehicle.
- e) A policy document shall be made by Vendor which will prescribe in detail the procedural policies employed by Vendor for the final disposal of waste from the bags.
- f) Vendor, and not Artemis, will bear the full responsibility and liability for the transportation, processing and disposal of the General Waste.
- g) Vendor shall be solely responsible for any act, omission, misrepresentation or other unfair practices, done beyond the scope of this Agreement and/or which is not authorized by Artemis.
- h) Vendor shall be liable to always keep valid licenses and ensure due compliance of law as may be required by the Government authorities or of any quasi-government authority or any other authority in India or as applicable outside India, to provide the services under this Agreement.
- i) Vendor expressly agrees and undertakes that it shall not do or cause to be done any act whereby or by reason whereof the reputation and goodwill of Artemis is affected in any manner whatsoever.
- j) In case of any complaints/suit/other legal proceedings by any person/body against Artemis arising out of this Agreement, Vendor shall provide all possible assistance and co-operation to Artemis in defending said complaints/suit/other legal proceeding and timely submission of reply of the same and shall fully agree with the endeavor of Artemis in settling/defending the complaints.

6. Tenure

Subject to the termination clause mentioned hereinafter, this Agreement shall come into force with effect from 1st November, 2018 and shall remain in force till 31st March, 2020.

7. Payment Terms

- a) Towards this arrangement, Artemis shall pay to Vendor a monthly amount of **Rs. 5,000/-** (Rupees Five Thousand Only) within 30 days of receipt of invoice from Vendor for each month.

8. Liability and Indemnity

It is specifically agreed and understood that compliance of any applicable law or statutory rules & regulations during transportation, collection and disposal of General Waste shall be the exclusive responsibility of Vendor. Vendor shall indemnify Artemis against all actions, losses (direct and consequential), damages, costs (including legal costs on attorney), interest, charges, claims and proceedings whatsoever which Artemis may suffer or incur directly or indirectly in any way arising from breach of the clauses of this Agreement.

9. Termination



- a) Artemis may terminate this Agreement by giving 30 days prior written notice to the other party without any cause.
- b) In case of any complaint regarding services provided by Vendor and the complaint is not resolved within 15 days of reporting in writing by Artemis; Artemis shall have the right to terminate this Agreement by giving further 7 days written notice.
- c) In case any party commits a material breach of any provision of this Agreement and fails to remedy such breach (where capable of remedy) within 15 (fifteen) days of receipt of a notice from the innocent party specifying the breach, the other party can terminate this Agreement by giving 7 days written notice;
- d) Either of the Parties may (without prejudice to any other rights) forthwith terminate this Agreement by giving 30 days written notice to the other, if:
 - the other party becomes or is declared bankrupt or insolvent by a competent court of law or compounds with its creditors or shall have distress or execution levied upon its property or is wound-up or goes into liquidation (except for the purposes of a bona fide reconstruction) or shall have a receiver or administrator appointed for the whole or any part of its assets or shall suffer the appointment of any similar person under the laws of its domicile;
 - the exercise of the rights granted under this Clause shall not prejudice or affect any right of action or remedy which may have already accrued or may accrue thereafter to either party.
- e) In case the Force Majeure conditions (as specified elsewhere in the Agreement) continue to affect a Party beyond a period of 30 days, the other Party shall have the right to terminate this Agreement, forthwith, by giving notice in writing of 15 days of this effect to the other Party.

10. Representation & Warranties

Each party hereto represents and warrants to the other that it has full legal power and authority to carry on its business and to enter into this Agreement and perform all of its obligations hereunder.

11. Force Majeure

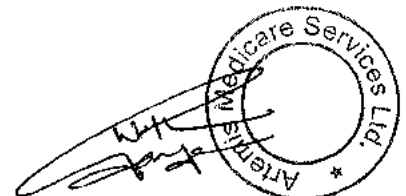
Either party shall not be liable for any delay in or failure to perform any of their respective obligations under or arising out of this Agreement if the delay or failure results from an Act of God, war, or any Government/statutory prohibition on providing services which renders it impossible for Vendor or Artemis to fulfill their obligations under this Agreement. It is clarified that failure to meet the requirements of any law, rule or regulation (including any executive direction) resulting in adverse consequences will not be considered an event of Force Majeure. In the same manner, any strike by the personnel of the party claiming benefits of Force Majeure will also be not considered an event of Force Majeure.

12. Applicable Laws & Jurisdiction

This Agreement shall be subject to and construed in accordance with the laws of India. Subject to Arbitration provisions as mentioned in this Agreement, the parties hereby submits to the exclusive jurisdiction of the Courts/Tribunals at Gurugram (Haryana) for all matters arising out of or in connection with this Agreement.

13. Dispute Resolution/Arbitration

In the event of any dispute between the parties concerning or relating to the interpretation or effect of any provisions thereof or relating to the liability or obligation on the part of any of the parties hereto, the same shall be settled mutually by and between the parties. However, if both the parties are unable to settle the same within 30 days, then Artemis shall have the power to appoint a sole arbitrator whose decision shall be valid and binding on both the parties. The powers and duties of the arbitrator shall be governed by the Arbitration and Conciliation Act, 1996. The place of arbitration shall be New Delhi and the arbitration proceedings shall be conducted in the English language.



14. Notice

All notices, requests, demands and other communications required/permited to be given under this Agreement shall be in writing and delivered by hand against receipt, or sent by registered post or by courier/e-mail at the following address, unless the same have been changed by the concerned party by intimation to the other party.

VENDOR	ARTEMIS
Ecogreen Energy Faridabad-Gurgaon Private Limited Mr. Vishvdeep	Artemis Medicare Services Ltd. Artemis Hospital Sector-51, Gurugram – 122001, Haryana
E-mail: <u>vishvdeep@ecogreenwte.com</u> Contact No.: +919045919062	

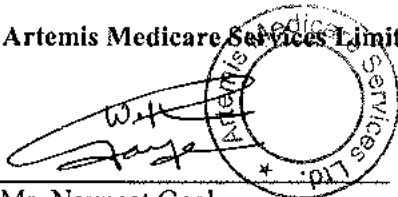
Any such notice or communication shall be deemed to have been duly given and served at the date and time of (i) delivery if sent by registered post or delivered by hand; or (ii) either the date sent (if sent during the receiving party's normal business hours) or next succeeding business day, if sent by telefax.

15. Miscellaneous

- a) This Agreement is not assignable by either party to any other person.
- b) This Agreement including the annexure thereof constitutes the entire agreement of the parties with respect to the subject matter hereof and supersedes all negotiations, prior discussions and prior agreements and memorandum of understanding, whether oral or written, related to such subject matter.
- c) This Agreement is only on principal to principal basis and does not give rise to any principal and agent relationship or joint venture between the parties nothing stated in this arrangement will authorize or permit either party to represent or act as or plead any such relationship.
- d) If any provisions of this Agreement is invalid, unenforceable or prohibited by any law, this Agreement shall be considered divisible as to such provision and such provision shall be inoperative and shall not be part of the consideration moving from any party hereto to the others, and the remainder of this Agreement shall be valid, binding and of like effect as though such provision was not included herein.
- e) This Agreement can be amended with mutual consent of the parties and such amendment shall be agreed only in writing.
- f) No waiver of any breach of any provision of this Agreement shall constitute a waiver of any prior, concurrent or subsequent breach of the same of any other provisions hereof, and no waiver shall be effective unless made in writing and signed by an authorized representative of the waiving Party.

IN WITNESS WHEREOF, THE PARTIES HERETO HAVE SET THEIR HANDS AND SEAL ON THE DAY AND YEAR FIRST ABOVE WRITTEN

For Artemis Medicare Services Limited

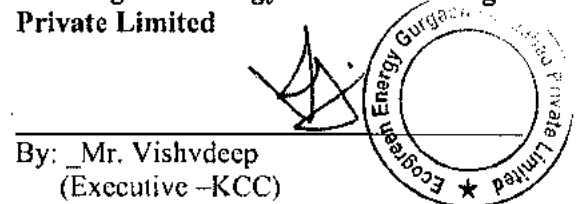


By: Mr. Navneet Goel
(Head – Legal & Company Secretary)

Witnesses:

1.

For Ecogreen Energy Faridabad-Gurgaon Private Limited



By: Mr. Vishvdeep
(Executive –KCC)

2.

Annexure A3

1) Renewed Licence from PESO for storage of Diesel

2) Renewed Fire NOC

3) Permission for regular water supply connection

4) Bore well Approval

5) Occupation Certificate



भारत सरकार

Government of India

वाणिज्य और उद्योग मंत्रालय

Ministry of Commerce & Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)

Petroleum & Explosives Safety Organisation (PESO)

हॉल संख्या 502 एवं 507, लेवल-5, ब्लॉक II, पुराना सी.जी.ओ. कॉम्प्लेक्स, एन.एच.4

फरीदाबाद-121001

Hall No. 502 & 507, Level 5, Block B, Old CGO Complex, NH-4,
Faridabad - 121001

E-mail : jtccefaridabad@explosives.gov.in

Phone/Fax No : 0129 - 2410734, 2410732

संख्या /No. : P/NC/HH/15/1312 (P184960)

दिनांक /Dated : 10/11/2016

सेवा में /To,

Artemis Medicare Services Pvt Ltd,
Apollo House 7 Institutional Area,
Sector-32,
Gurgaon,
District: GURGAON,
State: Haryana
PIN: 122001

17 NOV 2016

विषय /Sub : Plot No, NA, HOSPITAL SITE., SECTOR-51, District: GURGAON, State: Haryana, PIN: 999999 में स्थित विद्यमान पेट्रोलियम वर्ग B अधिष्ठापन में अनुमति सं P/NC/HH/15/1312 (P184960) के नवीकरण के संदर्भ में ।
Existing Petroleum Class B Installation at Plot No, NA, HOSPITAL SITE., SECTOR-51, District: GURGAON, State: Haryana, PIN: 999999 - Licence No. P/NC/HH/15/1312 (P184960) - Renewal regarding.

महोदय /Sir

(स)

कृपया आपके घर क्रमांक nil दिनांक 07/11/2016 का अवलोकन करें ।

Please refer to your letter No.: nil, dated 07/11/2016

अनुमति संख्या P/NC/HH/15/1312 (P184960) दिनांक 29/06/2009 को दिनांक 31/12/2019 तक नवीनीकृत कर इस धर के साथ अद्यतित की जा रही है ।

Licence No. P/NC/HH/15/1312 (P184960) dated 29/06/2009 is forwarded herewith duly renewed upto 31/12/2019

2002 के अधीन बनाए गए नियम 148 में दी गई प्रक्रिया का कड़ाई से पालन करें । अनुमति के नवीकरण हेतु समस्त दस्तावेजों को अनुमति की वैधता समाप्त होने की तिथि से कम से कम 30 दिन पूर्व to Jt. Chief Controller of Explosives, North Circle, Faridabad, so as to reach his कार्यालय में प्रस्तुत करें ।

Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence to Jt. Chief Controller of Explosives, North Circle, Faridabad, so as to reach his office on or before the date on which Licence expires.

कृपया धारणी दें।

Please acknowledge the receipt.

भवदीय /Yours faithfully,

(आर.पी.सिंह)

(R.P.Singh)

संयुक्त मुख्य विस्फोटक नियंत्रक

Jt. Chief Controller of Explosives

फरीदाबाद

Faridabad

संयुक्त मुख्य विस्फोटक नियंत्रक

फरीदाबाद

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : <http://peso.gov.in>)
(For more information regarding status, fees and other details please visit our website: <http://peso.gov.in>)

5556

प्ररूप XV
(प्रथम अनुसूची का अनुच्छेद 6 देखिए)
FORM XV
(see Article 6 of the First Schedule)

अधिष्ठापनों में पेट्रोलियम के आयात और भंडारकरण के लिए अनुमति
LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION

अनुमति सं. (Licence No.) : P/NC/HN/15/1312(P184960)

फीस रूप (Fee Rs.) 1000/- per year

Artemis Medicare Services Pvt Ltd, Apollo House 7 Institutional Area, Sector-32, Gurgaon, District: GURGAON, State: Haryana, PIN: 122001 को केवल इसमें यथा विनिर्दिष्ट वर्ग और मात्रा में पेट्रोलियम 30.00 KL आयात करने के लिए और उसका, तौलें वर्णित और अनुमोदित नक्शा संख्या P/NC/HN/15/1312(P184960) तारीख 06/03/2013 जो कि इससे उपाबद्ध है, में दिखाए गए स्थान पर भण्डारकरण के लिए पेट्रोलियम अधिनियम, 1934 के उपबंधों या उसके अधीन बनाए गए नियमों तथा इस अनुमति की अतिरिक्त शर्तों के अधीन रहते हुए, यह अनुमति अनुदत्त की जाती है।

Licence is hereby granted to Artemis Medicare Services Pvt Ltd, Apollo House 7 Institutional Area, Sector-32, Gurgaon, District: GURGAON, State: Haryana, PIN: 122001 valid only for the importation and storage of 30.00 KL Petroleum of the class and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No P/NC/HN/15/1312(P184960) dated 06/03/2013 attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

यह अनुमति 31st day of December 2019 तक प्रवृत्त रहेगी।
The Licence shall remain in force till the 31st day of December 2019

पेट्रोलियम का विवरण /Description of Petroleum	अनुमति मात्रा (किलोलीटरों में) /Quantity licenced in KL
वर्ग क प्रपुज पेट्रोलियम /Petroleum Class A in bulk	NIL
वर्ग क प्रपुज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुज पेट्रोलियम /Petroleum Class B in bulk	30.00 KL
वर्ग ख प्रपुज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुज पेट्रोलियम /Petroleum Class C in bulk	NIL
वर्ग ग प्रपुज पेट्रोलियम से भिन्न /Petroleum Class C, otherwise than in bulk	NIL
कुल क्षमता /Total Capacity	30.00 KL

March 23, 2007

sd/-
For Jt. Chief Controller of Explosives
NC, Faridabad

1) Amendment dated - 29/06/2009

अनुमति परिसरों का विवरण और अवस्थान
DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

अनुमति परिसर जिसकी विन्यास सीमाएं अन्य विशिष्टियां संलग्न अनुमोदित नक्शे में दिखाई गई हैं। Plot No: NA, HOSPITAL SITE,, SECTOR-51, District: GURGAON, State: Haryana, PIN: 999999 स्थान पर अवस्थित है तथा उसमें निम्नलिखित AS PER THE APPROVED PLAN सम्मिलित हैं।

The licensed premises, the layout, boundaries and other particulars of which are shown in the attached approved plan are situated at Plot No: NA, HOSPITAL SITE,, SECTOR-51, District: GURGAON, State: Haryana, PIN: 999999 and consists of AS PER THE APPROVED PLAN together with connected facilities.

अनुमति संख्या-(Licence No.) P/NC/HN/15/1312 (P184960)

नवीनीकरण के पृष्ठांकन के लिए स्थान
SPACE FOR ENDORSEMENT OF RENEWALS

पेट्रोलियम अधिनियम, 1934 के उपबन्धों या नवीकरण की तारीख समाप्ति की तारीख अनुज्ञापन प्राधिकारी के हस्ताक्षर और उनके अधीन बनाए गए नियमों या इस अनुमति की शर्तों का उल्लंघन न होने की दशा में यह अनुमति फिर से बिना किसी छूट के दस वर्ष तक नवीकृत की जा सकेगी।
 Date of Renewal Date of Expiry of license
 Signature and office stamp of the licencing authority.
 This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.

1).		14/01/2008	31/12/2010	Sd/-
2).		31/12/2010	31/12/2013	Sd/- A.K.Srivastava
3).		23/01/2014	31/12/2016	Sd/- VINOD KUMAR Jt. Chief Controller of Explosives Faridabad
4).		10/11/2016	31/12/2019	R.P.Singh Jt. Chief Controller of Explosives Faridabad

संयुक्त मुख्य विस्फोटक नियंत्रक
 उत्तरी अंचल फरीदाबाद

यदि अनुमति परिसर इसमें उपाबद्ध विवरण और शर्तों के अनुरूप नहीं पाए जाते हैं और जिन नियमों और शर्तों के अधीन यह अनुमति मंजूर की गई है उनमें से किसी का उल्लंघन होने की दशा में यह अनुमति रद्द की जा सकती है और अनुमतिधारी प्रथम अपराध के लिए साधारण कारावास से, जो एक मास तक हो सकता है, या जुर्माने से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और प्रत्येक पश्चातवर्ती अपराध के लिए साधारण कारावास से जो तीन मास तक हो सकता है, या जुर्माने से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, दण्डनीय होगा।

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both.

OFFICE OF THE EXECUTIVE ENGINEER, HSVP, DIV NO. III, GURUGRAM

To

M/S Artemis Hospital,
Sec-51, Gurugram.

Memo No. 498-99

Dated: 19/3/19

Sub:- Permission for regular water supply connection for Artemis Hospital an area land measuring 8.33 Acres land, Sec-51, Gurugram.

In this context, as per your application for water connection to above premises to connect your intake system of boosting /water works through 100mm i/d pipe line at one point mentioned in approved plan is hereby sanctioned subject to the following conditions:-

1. The connection will be given only from HSVP existing water supply line subject to availability of water in pipe line further intake and boosting arrangement will be made by the colonizer at their own expenses.
2. The connection is hereby authorized for supply of bulk water supply in UGT only and further arrangement for water supply to individual unit will be made by the colonizer at their own cost as per approved system.
3. The water bill will be raised by Sub Divisional Engineer, HSVP, Sub Div No. IX, Gurugram and firm will be whole responsible for the full payment regularly within stipulated period.
4. Installation of self recording electronic water meter and it's good performance will be the colonizer's responsibility. Total Rs 7,00,000/- (Rs 5,00,000/- as water connection security + Rs 2,00,000/- as water connection fees has been deposited vide demand draft No. 015321 dated 21.02.2018 from HDFC Bank.
5. Road cut fees will be deposited in future if required as per HSVP Bye laws.
6. The connection will be made by the colonizer at their own expenses without disturbing Master W/S system in presence of representative of HSVP Deptt. During making connection if any damage to HSVP service is occurred, the colonizer will be the whole responsible for repair of the same in good condition. If, the colonizer is failed to repair, repair shall be carried by the Deptt. and expenditure involved on this account shall be paid by the colonizer otherwise the connection shall be cancelled and disconnected.
7. Water connection should not be already made at site before issuing the permission failing which will have to pay the penalty imposed and previous bills. Otherwise, the connection will disconnected without serving any Notice.
8. The electronic water meter of reputed make shall be purchased by the colonizer at their own level and got tested from approved lab/ Institution under intimation to this Department after OK testing, the electronic water meter and it's report shall have to be submitted to the S.D.E-IX, HSVP, Gurugram for obtaining it's clearance to install at site duly sealed by the Department in the presence of representative of HSVP Deptt.
9. Installation of water meter should in direct approach and be liable to the official deputed for taking / recording reading shown by the water meter.
10. Information regarding the installation of water meter shall be given to the SDE-IX, HSVP, Gurugram in writing and installation of water meter shall be considered from the date of receipt of written information by HSVP.

11. All the amount on account of released water connection shall have to be deposited within 30 days if has not been deposited with submission of connection file failing which the sanction will be considered as cancelled.
12. The land cost, Development charges/ Mtc. charges for such colonies shall be liable as per HSVP policy as fixed and decided by HSVP time to time shall be bound for payment of the same well in time.
13. The Mtc. of intake pipes and special repair shall be the colonizer's responsibility and his own cost.
14. The water shall be given at the ground level and HSVP will not be responsible the low pressure.
15. The water connection will be utilized and limited for facilities to the land/ area in possession only.
16. For any dispute in the connection with the release of water connection, Mtc and disconnection with the said water connection, the matter shall be referred by any of the two parties to the concerned Superintending Engineer, HSVP, Circle of the area where the land/ colony is situated and his decision in the matter shall be final and legally binding on both the parties.
17. Colonizer will inform about increase / decrease of discharge if any in advance.
18. SDE will verify discharge monthly or as deemed fit for verification and water bill shall raised monthly and monthly payment shall be made by the colonizer.
19. In absence of installation of water meter, checking of actual assessment of discharge and verification of the consumption of water shall be made jointly by the representative of Deptt and colonizer based on discharge of pipes and working hours of plants as per entries recorded in log book and water bills so prepared shall be binding upon the colonizer for payment and in case of going water meter out of order, the assessment of discharge and consumption of water shall be made on the basis of average reading of water meter given during previous two months till the replacement of water meter in good performance. If, the defective water meter is not replaced within two months, the connection shall be disconnected without serving any Notice.
20. No Booster/ Suction will be installed directly on the line carrying from HSVP mains and no other connection will be made from the connection main to water storage tank and in case it is ever found, the water connection shall be disconnected without serving any Notice by SDE/ Executive Engineer concerned.
21. HSVP will at the liberty to revise the rates of water charges and colonizer will be liable to pay the revised charges as and when decided by HSVP.
22. You may also ensure that follow the guide lines of N.G.T. as per Hon'ble Supreme Court
23. You may ensure that the connection may be connected within six months from the date of issuing of this letter. After expiry of the date, a fresh application/file for water connection will have to be submitted by the colonizer and security and water connection fees will be forfeited.

Endst No.

Dated


EXECUTIVE ENGINEER,
HSVP, DIV. NO. III,
GURUGRAM

A copy of the above is forwarded to Sub Divisional Engineer, HSVP, Sub Div No. IX, Gurugram w.r.t his office memo no. 216 dated 18.01.2018 for information.


EXECUTIVE ENGINEER,
HSVP, DIV NO. III,
GURUGRAM

No.40-4/GUR-Artemis/CGWA/2007-1492

Dated- 11/12/2007

11 DEC 2007

To,

✓ The Divisional Head - Operations
Artemis Medicare Service Pvt. Ltd.
Artemis Health Institute
Sector -51, Gurgaon (Haryana)

Sub: Permission for boring of one Tubewell at Artemis Medicare Service Pvt. Ltd. Artemis Health Institute, Sector -51, Gurgaon (Haryana)

Please refer to your letter dated 06/09/2007 on the above cited subject. After examining the case, permission is hereby accorded, for boring one (1) tube well in the premises of Artemis Medicare Service Pvt. Ltd. Artemis Health Institute, Sector -51, Gurgaon (Haryana)

The terms and conditions of permission are given below-

1. The maximum diameter of the well should be restricted to 100 mm only and capacity of the pump may not exceed 1 HP.
2. Tube well proposed to be constructed must be located within the specified area allotted to Artemis Medicare Service Pvt. Ltd. Artemis Health Institute, Sector -51, Gurgaon.
3. The constructions of tube well is to be done through a drilling contractor registered with the Central Ground Water Authority.
4. The water from the tube well shall be **exclusively used for drinking and domestic purposes only.**
5. The details of drilling like strata encountered, design details of tube well, yields, etc. are to be furnished to the Central Ground Water Authority after completion of the construction of tube well.
6. The authorities of the Artemis Medicare Service should take up artificial recharge scheme in the said premises. The completion of Artificial Recharge structures may be **done within 45 days** from issuance of this letter, and inform accordingly to the Central Ground Water Authority for verification.
7. The Photographs of the recharge structures and constructed tube well is to be furnished immediately after completion of the same.

This permission is **valid for two months** from the date of issuance of this letter. However, Central Ground Water Authority reserves its rights to withdraw/cancel the permission so granted at any time without assigning any reason, if the contingency so demands, in the opinion of the Authority.

This issues with the approval of the Member Secretary, CGWA.

Yours faithfully

R. Sharma
(R.C. Sharma)
Scientist-D
11/12/07

Copy for information to

1. The Deputy Commissioner, Mini Secretariat, Sector-15, Gurgaon,
2. TS to Chairman, CGWB, NH-IV, Faridabad.

(R.C. Sharma)
Scientist-D

B-2

From Chairman, T.C.C.
Cum Additional Deputy Commissioner, Gurgaon.

To Artemis Medicare Services Pvt Ltd, Sector 5, Gurgaon


No. 1091 dated 23/11/10
Sub. Permission for boring of One tubewell at Artemis Health Centre for drinking & domestic purpose. Sector 5, Gurgaon

Memo. With reference to your application no _____ dated 23.2.09 on the above cited subject permission is hereby accorded for boring of One tubewells at Artemis Health Centre, Sector 5, Gurgaon per decision taken in the meeting of Technical Core Committee held on dated 27-10-2010


The terms & conditions of permission are given below :-

- 1 The ground water from the tubewell shall be exclusively used for drinking & domestic purpose only and not for construction or any other purposes. The applicant will have to submit the undertaking on affidavit for the same .
- 2 The applicant shall take up rain water harvesting scheme in the project area .
- 3 Treated waste water shall be utilized for gardening and flushing purposes by providing dual water supply system .
- 4 Photograph alongwith exact location of constructed tubewells and rain water harvesting structure are to be submitted after completion to the Chairman T.C.C. Gurgaon.
- 5 After getting the adequate water supply from concerned Private/Govt agency, the applicant would not be allowed abstraction of ground water
- 6 The water level in the tubewells is to be monitored quarterly (January, May, August & November) in a year regularly and ground water quality is to be monitored twice in a year during pre & post monsoon period and data to be submitted to Hydrologist office, Ground Water Cell Gurgaon on regular basis .
- 7 The details of drilling like strata encountered design of tubewells & yield etc. are to be submitted to Chairman T.C.C. Gurgaon after completion of the structure.

This permission for construction of tubewell is valid for two months from the date of issuance of this letter. However the Technical Core Committee Gurgaon reserves its rights to withdraw/cancel the permission so granted at any time without assigning any reason , if the contingency so demands, in the opinion of the Committee .


Chairman, T.C.C.
Cum Additional Deputy Commissioner, Gurgaon.

No. _____ dated _____
A copy is forwarded to Member Secretary ,C.G.W.A. New Delhi for favour of information & necessary action please .


Chairman, T.C.C.
Cum Additional Deputy Commissioner, Gurgaon.

HARYANA URBAN DEVELOPMENT AUTHORITY

FULL OCCUPATION CERTIFICATE

Estate Officer
Haryana Urban Development Authority,
Gurgaon

Sh./Smt. *Artemis Medicare Services (P) Ltd*
Hospital *Plot Sector-51 Gurgaon*

Dated. *18/7/07*

Memo No. *SO/AS 1980*

Whereas you/your G.P.A. Sh./Smt. *Artemis Medicare (P) Ltd* had applied for issue of an occupation certificate in respect of Residential/Commercial/Industrial/Institutional building No. *Hospital* Sector. *51* Gurgaon Measuring *3.12 Acres* Mrs./Yds.

Description of building:

Ground Floor. *Main Build. 4057-22*
1st Floor. *all North*
2nd Floor. *all North*
Basement. *all North*
Total Covered Area. *2880.57 Sqm*



Complete certificate effective from *18/7/07*

The building has been checked with regard to photocopies of approved building plans and in respect of Haryana Urban Development Authority (Erection of Buildings) Regulation, 1979 and architectural controls/zoning regulations/standard design/other instructions issued from time to time.

1. You are hereby granted permission for full occupation of the building of above description as per report of J.E. & S.D.E. (S).

NOTE :- This Certificate is issued subject to the conditions that, you shall continue to abide by the approved building plan, the provisions of Haryana Urban Development Authority (Erection of Buildings) Regulations, 1979 architectural controls/zoning regulations/standard designs/other instructions issued from time to time. If, in future, it is revealed that you have made any addition/alteration in the building without prior permission of Estate Officer, HUDA, Gurgaon, or using the building for purpose other than the use permitted, this certificate will stand with drawn automatically and you will be liable for penal action under the HUDA, Act-1977.

Note: The responsibility of the structural design/stability and structural safety of the building as well as the safety of the construction work is the responsibility of the

[Signature]
Estate Officer
HUDA, Gurgaon
Dated. *18/7/07*

Endst. No. *Owner's name*
1. Allotment Branch.
2. Sub Divisional Engineer, (Survey) HUDA, Gurgaon

[Signature]
Estate Officer
HUDA, Gurgaon

Annexure A4

1) Consent (Air and Water)

*2) Hazardous Waste
Authorization*

*3) Bio-Medical Waste
(BMW) Authorization*



HARYANA STATE POLLUTION CONTROL BOARD

Gurgaon North Vikas Sada, 1st Floor,
Near DC Court, Gurgaon Ph.0124-2332775

E-mail: hspcb.pkl@sify.com



No. HSPCB/Consent/ : 313099718GUNOCTO5485165

Dated:06/08/2018

To.

M/s :Artemis Medicare Services Limited
Sector-51,Gurgaon

Subject: Grant of consent to operate to M/s Artemis Medicare Services Limited.

Please refer to your application no. 5485165 received on dated 2018-06-30 in regional office Gurgaon North. With reference to your above application for consent to operate, M/s Artemis Medicare Services Limited is here by granted consent as per following specification/Terms and conditions.

Consent Under	BOTH
Period of consent	01/10/2018 - 30/09/2019
Industry Type	Health -care Establishment / Projects having discharge of 100 KLD or More with or Without Incinerator
Category	RED
Investment(In Lakh)	36757.3203
Total Land Area(Sq. meter)	32860.82
Total Builtup Area(Sq. meter)	28801.57
Quantity of effluent	
1. Trade	25.0 KL/Day
2. Domestic	325.0 KL/Day
Number of outlets	2.0
Mode of discharge	
1. Domestic	reuse/recycle
2. Trade	reuse/recycle
Domestic Effluent Parameters	
1. BOD	30 mg/l
2. COD	250 mg/l
3. TSS	100 mg/l
Trade Effluent Parameters	
1. BOD	30 mg/l
2. COD	250 mg/l
3. TSS	100 mg/l
Number of stacks	2
Height of stack	

1. Stack attached to DG Set	7.5 METER
2. Stack attached to DG set	7.5 METER
Emission parameters	
1. NA	
Product Details	
1. NA	Metric Tonnes/day
Capacity of boiler	
1. NA	Ton/hr
Type of Furnace	
1. NA	
Type of Fuel	
1. Diesel	1.17 KL/day
Raw Material Details	
NA	Metric Tonnes/Day

Regional Officer, Gurgaon North
Haryana State Pollution Control Board.

HARYANA STATE Terms and conditions

1. The applicants shall maintain good house keeping both within factory and in the premises. All hose pipelines valves, storage tanks etc. shall be leak proof. In plant allowable pollutants levels, if specified by State Board should be met strictly.
2. The applicant/company shall comply with and carry out directive/orders issued by the Board in this consent order at all subsequent times without negligence of his /its part. The applicant/company shall be liable for such legal action against him as per provision of the law/act in case of violation of any order/directives. Issued at any time and or non compliance of the terms and conditions of his consent order.
3. The applicant shall make an application for grant of consent at least 90 days before the date of expiry of this consent.
4. Necessary fee as prescribed for obtaining renewal consent shall be paid by the applicant alongwith the consent application.
5. If due to any technological improvement or otherwise this Board is of opinion that all or any of the conditions referred to above required variation (including the change of any control equipment either in whole or in part) this Board shall after giving the applicant an opportunity of being heard vary all or such condition and there upon the applicant shall be bound to comply with the conditions so varied.
6. The industry shall provide adequate arrangement for fighting the accidental leakages, discharge of any pollutants gas/liquids from the vessels, mechanical equipment etc. which are likely to cause environment pollution.
7. The industry shall comply noise pollution (Regulation and control) Rules, 2000.
8. The industry shall comply all the direction/Rules/Instructions as may be issued by the MOEF/CPCB/HSPCB from time to time.

9. The industry shall ensure that various characteristics of the effluents remain within the tolerance limits as specified in EPA Standard and as amended from time to time and at no time the concentration of any characteristics should exceed these limits for discharge.
10. The industry would immediately submit the revised application to the Board in the event of any change in the raw material in process, mode of treatment/discharge of effluent. In case of change of process at any stage during the consent period, the industry shall submit fresh consent application alongwith the consent to operate fee, if found due, which may be on any account and that shall be paid by the industry and the industry would immediately submit the consent application to the Board in the event of any change during the year in the raw material, quantity, quality of the effluent, mode of discharge, treatment facilities etc.
11. The officer/official of the Board shall reserve the right to access for the inspection of the industry in connection with the various process and the treatment facilities. The consent to operate is subject to review by the Board at any time.
12. Permissible limits for any pollutants mentioned in the consent to operate order should not exceed the concentration permitted in the effluent by the Board.
13. The industry shall pay the balance fee, in case it is found due from the industry at any time later on.
14. If the industry fails to adhere to any of the conditions of this consent to operate order, the consent to operate so granted shall automatically lapse.
15. If the industry is closed temporarily at its own, they shall inform the Board and obtain permission before restart of the unit.
16. The industry shall comply all the Directions/ Rules/Instructions issued from time to time by the Board.

Specific Conditions :

1. The unit will submit the analysis reports of trade effluent/air emissions/ noise, from all sources as applicable, before 30th June every year and will keep all parameters within standards prescribed under Environment (Protection) Rules, 1986. 2. The unit will submit the Annual Report under HWM Rules by 30th June and Environment Statement by 30th September every year. 3. Unit will submit fresh balance sheet/ CA certificate regarding capital investment cost of the unit on land, building, plant and machinery without depreciation and will also deposit balance consent fee if any found due as per latest balance sheet/ CA certificate, by 30th September every year. 4. Unit will apply for renewal of consent/Authorization at least 90 days before expiry date of the consent/Authorization. 5. The hazardous waste generated by the unit will be disposed off only through Authorized TSDF/recyclers / Refiners of hazardous waste.

***Regional Officer, Gurgaon North
Haryana State Pollution Control Board.***

1800-180-2132 , hepc[dot]helpdesk[at]gmail[dot]com

Department of Industries & Commerce, Haryana
Haryana Enterprises Promotion Center

Welcome, Joginder Pal !



Single Roof Clearances System

Facilitates prospective investors to obtain regulatory clearances online through Haryana Enterprises Promotion Center under Haryana Enterprise Promotion Board and Empowered Executive Committee.



CAF Summary

Application For	Regulatory Approvals & Services	Sector	
CAF PIN	5953202041	Application Date	30-06-2018
Business Entity	M/s Artemis Medicare Services Ltd.	Site Detail	,Gurugram,
Project Cost	0 Crores	MOU (Year)	

Relationship
Manager

Investor Info

Joginder, 9711160009

←Back

View Service Required

View Service Clearances in Process

Select a Department

All Departments

Construction Permit

All

Service Clearances in Process

Department

Service Name

Stage

HARYANA STATE
POLLUTION CONTROL
BOARD

Authorization under
Bio Medical Waste

Stage-
III

Check List

Re-Apply

View Service Log

Comment

Track Service Form

Service Cleared

HARYANA STATE
POLLUTION CONTROL
BOARD

Authorization Under
Hazardous Waste
Rules

Stage-
III

Check List

Re-Apply

View Service Log

Comment

Track Service Form

Service Cleared

HARYANA STATE
POLLUTION CONTROL
BOARD

CTE-Renewal

Stage-
III

Check List

View Service Log

Comment

Fill Service Form

HARYANA STATE
POLLUTION CONTROL
BOARD

Renewal of Consent to
Operate - Air/Water

Stage-
III

Check List

Re-Apply

View Service Log

Comment

Track Service Form

Service Cleared

Annexure A5

Data Sheet

Monitoring the Implementation of Environmental Safeguards
Ministry of Environment, Forest and Climate Change
Northern Regional Office, Chandigarh
MONITORING REPORT
PART – I
DATA SHEET

1.	Project Type:	Construction Project (Hospital)
2.	Name of Project:	Artemis Medicare Services Limited
3.	Clearance Letter (s) / C.M. No. & dates	21-292/2007-IA.III dated July 19, 2007 and F. No. 23-279/2018-IA.III(V) dated 27.09.2019
4.	Location: a) District b) State c) Latitudes / Longitudes	Gurgaon Haryana 28° 25' 45.02" latitude and 77° 04' 25.23" longitude
5.	Address for Correspondence:	Artemis Medicare Services Limited , Hospital Site, Sector-51, Gurgaon 122001
6.	Salient Features: a) Of the project b) Of Environment Management Plans	<ul style="list-style-type: none"> i. 795-bed hospital project ii. Accorded No Objection Certificate by Haryana State Pollution Control Board vide letter No. HSPCB/2007/TAC-I/199A/56 dated 09.02.2007 iii. Capital Cost: ₹ 373.99 Crore Appx. for existing and expansion project estimated to be ₹ 185 Cr iv. Plot Area: 33,588.908 SQM v. Built-up Area: 67,444.652 SQM vi. Manpower: 1500 Appx. <ul style="list-style-type: none"> a) Adoption of Rainwater Harvesting b) Installation of STP/ETP c) Installation of Acoustic Enclosures to DG sets d) Green Belt Development e) Energy Conservation and Audit f) Corporate Social Responsibility
7.	Break up of the Project Area a) Submergence area: Forest & Non-Forest b) Others	0.33 hectare NIL Land developed by Haryana Urban Development Authority and specified for Hospital project
8.	Break up of project affected population with enumeration of those losing houses / dwelling units only, agricultural land only, both dwelling units and agricultural land and landless labourers / artisans. a) SC/ST/Adivasis b) Others (Please indicate whether these figures are based on scientific and systematic survey	NIL

	carried out or only provisional figures. If a survey has been carried out, give details and year of survey)	
9.	<p>Financial Details:</p> <p>a) Project Cost as Originally planned and subsequent revised estimates and year of price reference</p> <p>b) Allocations made for Environmental Management Plans</p> <p>c) Benefit Cost Ratio / Internal Rate of Returns and year of assessment</p> <p>d) Whether the (c) includes the cost of environmental management as shown in (b) above</p> <p>e) Actual Expenditure incurred on project, so far</p> <p>f) Actual Expenditure incurred on Environment Management Plans, so far</p>	<p>a) Original: ₹ 180 Crore and Expansion project ₹ 185 Crore As on 31.03.2019: ₹ 383.83 Crore</p> <p>b) ₹ 1 Crore (Capital Cost) & ₹ 94 Lac (Recurring Cost) appx.</p> <p>c) Profit as on 31.03.2019 ₹ 2076.77 Lac (as per Balance Sheet)</p> <p>No</p> <p>₹ 383.83 Crore (As on 31.03.2019)</p> <p>₹78.9 Lac</p>
10.	<p>Forest Land requirement:</p> <p>a) The status of approval for diversion of forest land for non-forestry use</p> <p>b) The status of clear felling</p> <p>c) The status of compensatory</p> <p>d) Comments on viability & sustainability of compensatory afforestation program in the light of actual field experience so far.</p>	NIL
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach road) if any, with quantitative information	--
12.	<p>Status of Construction:</p> <p>a) Date of Commencement (actual and/or planned)</p> <p>b) Date of completion (actual and/or planned)</p>	<p>July 2006</p> <p>Expansion project shall be completed before 26th September 2026.</p>
13.	Reasons for delay if project is yet to start:	--

Annexure A6

Environmental Clearance

BY SPEED POST

No. 21-292/2007-IA.III
Government of India
Ministry of Environment and Forests
(I. A. Division)

Paryavaran Bhawan,
CGO Complex, Lodhi Road
New Delhi 110003
Dated: July 19, 2007

To

✓
Shri Somnath Chakraborty
M/s. Artemis Medicare Services (P) Ltd.
Apollo House, 7, Institutional Area,
Sector-32, Gurgaon-122001,
Haryana.

**Subject: Environmental Clearance for construction of Hospital
Complex at Sector-51, Gurgaon.**

Sir,

I am directed to refer to your application seeking prior environmental clearance for the above project under the EIA Notification 1994 including amendments of July, 2004. The above proposal has been appraised as per prescribed procedure on the basis of the documents enclosed with the application viz. Questionnaire, EIA, EMP and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee (EAC) constituted by the competent authority in its 15th meeting held on May 4-5, 2007 and under provisions of EIA Notification, 2006.

2. The project proponent is setting up a 206 beds Hospital Complex at Sector-51, Gurgaon, Haryana at a total cost of Rs. 100 crore. The project comprises of construction of hospital building and residential building. The hospital building will have eight floors and residential building will have nine floors. The plot area is 33,588.90 sq.m. The total proposed built up area is 27,354 sq.m. Total water requirement will be 450 m³/day and 200 m³/day of waste water will be generated. A sewage treatment plant of 200 m³/d will be constructed for the treatment of waste water generated from the hospital complex. The treated sewage will be discharged into public sewer provided by HUDA. About 120 kg/d of bio medical waste will be generated from the proposed complex, which will be disposed off as per Bio Medical Waste (Management and Handling) Rules, 1998. The total solid waste generated will be 40 kg/d. This will be segregated into bio degradable and non bio degradable. The bio degradable solid waste generated will be composted. The recyclable materials would be sold to vendors who are approved by HSPCB.

3. The information given in the application forms indicate that there will be positive impact of proposed project on the land use. There will be minor negative impact on ambient air quality during construction phase. However, there will be long term negative impact on air and noise levels. There will be minor negative impact on ambient noise during construction phase. There will be negative impact on water quality during construction phase.

4. The EAC after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations have recommended the grant of environmental clearance for the project mentioned above subject to compliance with the EMP and other stipulated conditions. Accordingly, the Ministry hereby accords necessary environmental clearance for the project subject to the strict compliance with the specific and general conditions mentioned below:

PART A- SPECIFIC CONDITIONS

I. Construction Phase

i. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

ii. Soil and ground water samples will be tested to ascertain that there is no threat to groundwater quality by leaching of heavy metals and other toxic contaminants.

iii. A First Aid Room will be provided at the project site both during construction and operation of the project.

iv. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.

v. Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people.

vi. Diesel power generating sets used during construction phase should be of "enclosed type" to prevent noise and should conform to rules made under Environment (Protection) Act 1986, prescribed for air and noise emission standards.

vii. Ambient noise levels should conform to residential area standards both during day and night when measured at boundary wall of the premises. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.

viii. Vehicles hired for bringing construction material at site should be in good condition and should have valid "pollution under check"(PUC)

certificate and to conform to applicable air and noise emission standards and should be operated only during non-peak hours.

ix Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach into the ground water.

x Any hazardous waste generated during construction phase should be disposed of as per applicable Rules & norms with necessary approvals of the Haryana Pollution Control Board.

xi Regular supervision of the above and other measures for monitoring should be in place all through the construction phase so as to avoid disturbance to the surroundings.

xii Under the provisions of Environment (Protection) Act 1986, legal action shall be initiated against the project proponent if it was found that construction of the project had started without obtaining environmental clearance.

II. Operation Phase

The environmental clearance recommended to the project is subject to the specific conditions as follows:

i. Diesel power generating sets as source of back-up power for lifts and common area illumination should be of "enclosed type" and conform to rules made under Environment (Protection) Act 1986, prescribed for air and noise emission standards as per CPCB guidelines. Exhausts should be discharged by stack, raised to 4 meters above the rooftop.

ii. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.

iii. The sewage treatment plant should be certified by an independent expert for adequacy as well as efficiency and submit a report in this regard to the Ministry before the project is commissioned for operation. The wastewater should be treated upto tertiary level and after treatment reused for flushing of toilets and gardening etc. Discharge of treated sewage shall conform to the norms & standards prescribed by Haryana Pollution Control Board.

iv. Rain water harvesting and ground water recharging shall be practiced. The ground water levels and its quality should be monitored regularly in consultation with the Central Ground Water Authority. Oil & Grease trap shall be provided to remove oil and grease from the surface run off and suspended matter shall be removed in a settling tank before its utilization for rainwater harvesting.

v. The solid waste generated should be properly collected & segregated before composting and non bio-degradable solid waste shall be disposed of into municipal bins for further processing. STP sludge and compost shall be used as manure for gardening.

vi. Biomedical waste including hazardous waste should be disposed of as per applicable Rules & norms with necessary approvals of the Haryana Pollution Control Board.

vii. The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous variety.

viii. Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project.

ix. The Ground Water shall be utilized only in consultation with Central Ground Water Authority.

x. The Solar energy shall be used for water heating as well as lighting common areas and verifiable measures shall be adopted for energy conservation and water conservation.

xi. Report on the energy conservation measures should be prepared incorporating details about building materials & technology, R & U Factors etc and submitted to the Ministry in three months time.

xii. The values of R & U for the building envelope should meet the requirements of the hot & humid climatic location. Details of the building envelope should be worked out and furnished in three months time.

PART – B. GENERAL CONDITIONS

i. The environmental safeguards contained in the documents should be implemented in letter and spirit.

ii. Provision should be made for the supply of kerosene or cooking gas and pressure cooker to the laborers during construction phase.

iii. All the laborers to be engaged for construction works should be screened for health and adequately treated before the issue of work permits. Adequate preventive and protective measures shall be taken to protect workers, labours etc during construction and operation phase of the project.

iv. 6 monthly monitoring reports should be submitted to the Ministry and its Regional Office.

5. Officials from the Regional Office of MOEF, Chandigarh who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF, Regional office of MOEF, Chandigarh.

6. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.

7. The Ministry 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.

8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation

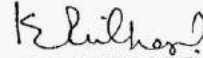
Department, State Forests Department, Wildlife Act 1972 etc. Shall be obtained by project proponents from the competent authorities.

9. A copy of the environmental clearance letter would be marked to the local NGO(s) for their information.

10. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Haryana Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>. The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Chandigarh.

11. These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986 and the Public Liability (Insurance) Act, 1991.

12. The project authority will ensure regular operation and maintenance of the assets created.



(K.C. RATHORE)

Additional Director (IA)

rathore27@yahoo.com

Tele: 24360789

Copy to: -

1. The Secretary, Department of Environment, Government of Haryana, Secretariat Building, Panchkula, Haryana.
2. The Member Secretary, Haryana Pollution Control Board, Panchkula, Haryana.
3. The CCF, Regional Office, Ministry of Environment & Forests, Chandigarh.
4. IA - Division, MOEF, Paryavaran Bhawan, CGO Complex, New Delhi.
5. Guard file

(K.C. RATHORE)

Additional Director (IA)

F. No. 23-279/2018-IA.III(V)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Jor Bagh Road, New Delhi - 3

September 27, 2019

To,

M/s Artemis Medicare Services Ltd
Plot No. 14, Sector-20, Dwarka, New Delhi -110075
E-Mail: joginder@artemishospitals.com

Subject: Expansion of Artemis Hospital located at Sector-51, Gurgaon, Haryana by M/s Artemis Medicare Services Ltd - Environmental Clearance - regarding.

Sir,

This has reference to your proposal No. IA/HR/MIS/84185/2007 dated 01.11.2018 from M/s Artemis Medicare Services Ltd for Expansion of Artemis Hospital located at Sector-51, Gurgaon, Haryana, along with the application in prescribed format (Form-I), for consideration under the provisions of S.O. 804 (E) dated 14th March, 2017.

2. The said Notification provides for appraisal of projects for grant of terms of reference/environmental clearance, which have started the work on site, expanded the production beyond the limit of environmental clearance, or changed the product mix without obtaining prior environmental clearance under the EIA Notification, 2006.

3. The proposal for environmental clearance was considered by the Expert Appraisal Committee (EAC) for projects relating to violation of the EIA Notification, 2006, in terms of the provisions of the Ministry's Notification dated 14th March, 2017, in its 15th meeting held during 27-29 November, 2018 and 22nd meeting held during 21-22 May, 2019 in the Ministry. The details of the project are as follows:

- (i) The proposed project is an "Expansion of Artemis Hospital" at Sector-51, Gurugram, Haryana which is being developed by M/s Artemis Medicare Services Limited. The total plot area of the project site is 33,588.908 sqm having Built-up area after expansion of 67,444.652 sqm. The land has been allotted by HUDA to M/s Artemis Medicare Services Pvt Ltd by Memo No.- 83, dated 15.02.2006.
- (ii) The Project had already been granted the Environmental Clearance vide letter no. 21-292/2007-IA.III dated 19.07.2007 for plot area 33,958.90 sqm and built-up area of 27,354.0 sqm for development of hospital. Now, the hospital is operational.
- (iii) As per new planning of expansion, total built-up area will be 67,444.652 sqm for which PP had earlier applied for Environment clearance for expansion of the project in SEIAA, Haryana on 05.04.2017. Meanwhile, the propjet proponent had already started construction before the grant of Environmental Clearance for expansion, hence violating EIA Notification 2006.
- (iv) As per notification no. S.O.804(E) dated 14.03.2017 & notification vide S.O. 1030(E) dated 14.03.2017 dated 8th March 2018, propjet proponent had applied for grant of Terms of Reference under violation cases & category 'B'. The Terms of Reference (ToR) was granted by SEIAA, Haryana vide letter no. SEIAA/HR/2018/829 on 26.07.2018.



Proposal No. IA/HR/MIS/84185/2007

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(v) Since, the tenure of Haryana SEIAA/SEAC has completed, the PP has again submitted the EIA Report in MoEF&CC on 01.11.2018. The case was appraised in the 15th EAC meeting for the proposal involving violation of EIA Notification, 2006 on 29.11.2018. Few queries were raised, the reply of which was submitted to MoEF&CC on 15.04.2019. Now, the case was enlisted in the 22nd EAC Meeting for the violation of EIA Notification, 2006 held on 21.05.2019.

(vi) The construction status is given below: -

S. No.	DESCRIPTION	TOWER II	TOWER III
1.	Excavation work	Completed	Not yet done
2.	Foundation	Completed	Not yet done
3.	RCC work	Completed	Not yet done
4.	Masonry work	40%	Not yet done
5.	Roofs	95%	Not yet done
6.	Timber work (Door and windows)	Not yet done	Not yet done
7.	Piping of water & sewage	15%	Not yet done
8.	Drainage System	Not yet done	Not yet done
9.	Sewage Treatment Plant	Not yet done	Not yet done
10.	Rainwater Harvesting	Not yet done	Not yet done
11.	Plantation	Not yet done	Not yet done
12.	Roads	Not yet done	Not yet done
13.	Installation of Electrical & mechanical items & fire	Not yet done	Not yet done
14.	Plastering	25%	Not yet done
15.	Bathroom fitting & plumbing work	7%	Not yet done
16.	Flooring	Not yet done	Not yet done
17.	Painting and exteriors	Not yet done	Not yet done

(vii) The total plot area is 33,588.908 sqm, FAR area after expansion will be 49,913.526 sqm and total Built-up area of hospital after expansion will be 67,444.652 sqm. The project comprises of Five Towers. Maximum height of the building is 27.5 m.

(viii) During construction phase, total water requirement is expected to be 24 KLD which has been met by Tanker Supply. During the construction phase, temporary sanitary toilets have been provided during peak labor force. 10 KLD of waste water generated from the construction site will be disposed off to septic tanks.

(ix) Total water requirement of the existing operational part of the hospital is 483 KLD. Fresh water requirement is 333 KLD which is met by HUDA Supply/Borewell and same shall be followed for expansion part. Wastewater generation from the complex is 294 KLD which is being treated in STP & ETP of capacity 325 KLD and 25 KLD respectively. Total water requirement after expansion will be estimated to be 1104 KLD for the project & will be met by HUDA supply/Borewell and waste water generation will be 637 KLD generated from domestic use and Lab, which will be treated in STP of 325 & 400 KLD and ETP of 25 KLD and 45 KLD. Treated water of 514 KLD will be reused for flushing, gardening, DG Cooling & filter backwash. 38 KLD of treated water shall be discharged to sewer. 53 KLD of excess treated water from ETP shall be discharged to sewer line.

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- (x) The Solid waste generation in the existing complex is 493 Kg/day. Biodegradable waste is sent to approved recycler who is responsible for final disposal. The Bio Medical waste being generated from the complex is given to approved recycler- M/s Vulcan Waste Management Pvt. Ltd and used oil of 27 lit/month being collected at isolated place and given to approved vendor of CPCB as per Hazardous & other Wastes (Management and Transboundary Movement) Rules, 2016.
- (xi) After operation of the complex the total solid waste generation after expansion will be approximately 1930 Kg/day Out of which approx. 1351 Kg/day of Bio-Degradable waste shall be treated in OWC and convert the waste into manure. The compost shall be used in green area within the project premises & unused manure will be given to nearby nursery. 483 Kg/day of recyclable Waste & 96 Kg/day of plastic waste will be given to Authorized Vendor as per Plastic Waste Management Rules, 2016.
- (xii) Biomedical waste generated from hospital will be 298 Kg/day which shall be handed over to authorized processor. Agreement with M/s Vulcan Waste Management Pvt. Ltd. has already been done for treatment and disposal of biomedical waste as per Biomedical Waste Management Rules, 2018 and used oil will be 77lit/month which shall be stored in leak proof drums and shall be given to approved recycler as per the Hazardous & other Wastes (Management and Transboundary Movement) Rules, 2016. E-waste generated from hospital will be 1-2 Kg/month which shall be handed over to approved recycler as per E-Waste Management Rules, 2016.
- (xiii) The total power requirement during construction phase is being met by 2 x 125 kVA, 1 x 62.5 kVA & 1 x 40 kVA and total power requirement during operation phase is 4500 KW (existing: 3100 KW & Proposed: 1400 kW) and will be met from Uttar Haryana Bijli Vitran Nigam.
- (xiv) Rooftop rainwater of buildings will be collected in 6 RWH pits (Existing- 5 no. and Proposed - 1 no.) for harvesting.
- (xv) Parking facility for 668 ECS (Existing - 236 ECS and Proposed - 432 ECS) (four wheelers) is proposed to be provided against the requirement of 666 ECS.
- (xvi) Proposed energy saving measures would save about 1% of power.
- (xvii) It is not located within 10 km of Eco Sensitive areas. Hence, NBWL Clearance is not required.
- (xviii) No Forest Clearance is required.
- (xix) No Court case is pending against the project.
- (xx) Investment/Cost of the project is Rs. 399 Crore.
- (xxi) Employment potential: It will provide employment to 300-350 no of labor's during construction phase & 10963 number as IPD Beds, Day care Beds, Residential Service Quarters, In-patients, Residents & 2512 nos. as Staff & Employee. (Existing Population- 5569 no.)
- (xxii) Benefits of the project: Social Benefits, Environmental Benefits and Financial Benefits.

4. The said project/activity is covered under Category 'B' of item 8(a) of the schedule to the EIA Notification, 2006, and requires prior EC based on the appraisal by SEAC, Haryana. However, due to non-existence of SEIAA/SEAC in Haryana at that time, the proposal has appraised at Central level by Expert Appraisal Committee (EAC-Violation).

5. Terms of Reference (ToR) was granted by State Environment Impact Assessment Authority, Haryana vide letter No. SEIAA/HR/2018/829 dated 26.07.2018.

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6. The proposal for environmental clearance was considered by the Expert Appraisal Committee (EAC) for projects relating to violation of the EIA Notification, 2006, in terms of the provisions of the Ministry's Notification dated 14th March, 2017, in its 15th meeting held during 27-29 November, 2018 and 22nd meeting held during 21-22 May, 2019 in the Ministry. The committee found the EIA/EEMP report satisfactory and in consonance with the ToR, and recommended the proposal for environmental clearance with certain conditions in terms of the provisions of the Ministry's Notification dated 14th March, 2017.

7. Based on recommendations of the EAC and finalization/approval of the bank guarantee for an amount of ₹3,60,90,000/- by the competent authority, towards Remediation Plan and Natural and Community Resource Augmentation Plan, the project proponent has submitted the desired bank guarantee with the Haryana State Pollution Control Board (HSPCB). The HSPCB vide letter No. HSPCB/EE/2019/501 dated 19.09.2019 has informed the Ministry regarding receipt of the bank guarantee dated 03.09.2019 which is valid up to 02.09.2024.

8. Considering the proposal submitted by the project proponent, recommendations of the EAC (Violation) and submission of the desired bank guarantee, the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for Expansion of Artemis Hospital located at Sector-51, Gurgaon, Haryana by M/s Artemis Medicare Services Ltd, under the provisions of the Ministry's Notification dated 14th March, 2017, subject to the compliance of the following specific conditions in addition to all standard conditions applicable for such project:-

1. EAC recommended for an amount of ₹3,60,90,000/- towards Remediation plan and Natural and Community Resource Augmentation plan to be spend within a span of three years. The details are given below:

a) Cost of Remediation Plan

S. No.	Particular	Remediation Budget (Rs.)
1	Air Environment	a) Distribution of Wayu purifier @ ₹60,000 for 30 units = ₹18,00,000 b) Maintenance of Wayu Purifier for 3 years @ ₹1500/month = ₹16,20,000 c) Distribution of Sprinkler system <ul style="list-style-type: none"> • Sprinkler @ ₹1000/per pc for 100 = ₹1,00,000 • Twin Filtration system @ ₹15000/pc for 3 units = ₹45,000 • Pump @ ₹10000/pc for 3 units = ₹30,000 • Water Distributing Pipeline @ Rs 165/m for length of 3000 m = ₹4,95,000 d) Awareness Program for Health in Gurgaon Region = ₹12,50,000 e) Health check-up camp in nearby village = ₹15,00,000 f) Plantation and Maintenance of Plants in Nearby area road @ ₹1,500 for 1500 units = ₹22,50,000 Total Cost contributed towards Air Environment = ₹90,90,000
2.	Water Environment	a) Installation of Rain Water Harvesting Pits (Diameter 4 m & Depth- 4.5 m) in nearby village @ ₹3,00,000 per RWH pit (including raw material, labour, profit, construction, pipeline)

Proposal No. IA/HR/MIS/84185/2007

S. Bose

		<p>for 20 units = ₹60,00,000</p> <p>b) Maintenance of Rainwater Harvesting Pit before monsoon and after monsoon for 3 year @ ₹5,000/year/RWH Pit for 20 units = ₹3,00,000</p> <p>c) Procurement of RO Plant(1000 LPH) @ ₹2,00,000 for 10 units = ₹20,00,000</p> <p>d) Awareness program on 5R (Refuse, Recycle, Reuse, Repurpose and Recycle) = ₹2,00,000</p> <p>e) Installation of RO plant @ ₹5,000 for 10 units = ₹50,000</p> <p>f) Maintenance of RO Plant for 3 years @ ₹10,000/ year/ RO for 10 units = ₹3,00,000</p> <p>Total Cost to be contributed towards Water Environment = ₹88,50,000</p>
3.	Waste Management	<p>a) Distribution of Organic Waste Converter in Nearby Panchayat @ ₹15,00,000 for 4 units = ₹60,00,000</p> <p>Total cost to be contributed towards Waste Management = ₹60,00,000</p>
4.	Noise Environment	<p>a) Distribution of PPE (Personal Protective Equipment) to labors @ ₹1,00,000/year for 3 years = ₹3,00,000</p> <p>b) Awareness program in nearby area for Noise @ ₹1,00,000/year for 3 years = ₹3,00,000</p> <p>Total cost to be contributed towards Noise Environment = ₹6,00,000</p>
5.	Land Environment/Biological Environment	<p>a) Development of Park (in Consideration with Panchayat, development of Panchayat Park) = ₹10,00,000</p> <p>b) Land reclamation of nearby area (Approx. 8194 sqm equivalent to ground coverage of super structure creates @ trenching ₹45.85/sqm; uprooting weed ₹2.9/sqm; uprooting vegetation ₹35.75/sqm; supply stacking of earth ₹332.55/sqm; supply manure ₹192.05/ sqm, grassing ₹10.4/ sqm, Bed preparation ₹130.25/ sqm, tree guard ₹ 259/sqm, filling earth and sludge ₹10.7/ sqm, anti-terminate treatment ₹47.6/tree, plant of 500 trees @ 1500/tree other charges) = ₹20,00,000/-</p> <p>Total cost to be contributed towards Land Environment/Biological Environment = ₹30,00,000</p>

b) Year wise break up of Remediation Plan

S. No.	Activity	YEAR-WISE IMPLEMENTATION BUDGET (₹)			Total Budget (₹)
		1 st Year	2 nd Year	3 rd Year	
1.	Air Environment	₹34,76,667	₹ 28,06,667	₹28,06,667	₹90,90,000
2.	Water Environment	₹30,70,000	₹28,65,000	₹27,65,000	₹88,50,000
5.	Waste Management	₹30,00,000	₹15,00,000	₹15,00,000	₹60,00,000
4.	Noise Environment	₹2,00,000	₹2,00,000	₹2,00,000	₹6,00,000
3.	Land/ Biological Environment	₹20,00,000	₹ 10,00,000	₹ 0	₹30,00,000
TOTAL BUDGET FOR REVISED REMEDIATION PLAN (₹)					₹2,75,40,000

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c) Year wise breakup of Natural Resource and Community Welfare Augmentation Plan Budgetary Allocation

S. No.	Aspect	Activity	YEAR-WISE IMPLEMENTATION BUDGET (₹)			Total Budget (₹)
			1 st Year	2 nd Year	3 rd Year	
1.	Natural Resource Augmentation	Providing Solar Lighting in the village and School (50kW solar Panel installation); Supply of LED Bulbs	₹20,00,000	₹20,00,000	₹10,00,000	₹50,00,000
TOTAL BUDGET FOR NATURAL RESOURCE AUGMENTATION PLAN (₹)						₹50,00,000
1.	Community Welfare	Construction of sanitation facilities. (Provision of 16 number of toilets)	₹2,00,000	-	₹6,00,000	₹8,00,000
2.		Medical Check-up camp in nearby area (for labors) and basic medicine supplies for women	₹3,00,000	-	₹3,00,000	₹6,00,000
3.		Installation of 10 RO plants (Drinking Facility)	₹7,00,000	₹7,00,000	-	₹14,00,000
4.		Provision of 25 Computers in the schools @ ₹30,000 each	₹2,25,000	₹5,25,000	-	₹7,50,000
TOTAL BUDGET FOR COMMUNITY WELFAREAUGMENTATION PLAN (₹)						₹35,50,000

d) Summary

S. No.	PARTICULARS	PROPOSED BUDGET (₹)
1.	Remediation Plan	₹2,75,40,000
2.	Natural Resource Augmentation plan	₹ 50,00,000
3.	Community Resource Augmentation Plan	₹35,50,000
TOTAL BUDGET FOR REMEDIATION, NATURAL & COMMUNITY RESOURCE AUGMENTATION		₹3,60,90,000

II. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is ₹3,60,90,000/-.

III. The project proponent has submitted bank guarantee of ₹3,60,90,000/- with HSPCB. The HSPCB vide letter No. HSPCB/EE/2019/501 dated 19.09.2019 has informed the Ministry regarding receipt of the bank guarantee dated 03.09.2019 which is valid up to 02.09.2024.

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- IV. 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.
- V. Fund allocation for Corporate Environment Responsibility (CER) of ₹325.00 lakhs to be implemented.
- VI. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, as applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
- VII. Effective air pollution mitigation plan submitted to the Ministry shall be implemented in toto.
- VIII. Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.
- IX. PP shall implement RWH system as per the building code and guidelines.
- X. PP shall comply with the requirement of Green Belt (GB) guidelines of MoEFCC, apart from the committed GB during the meeting.
- XI. PP shall comply with ECBC of 2017 applicable for commercial buildings.
- XII. PP shall generate @1% of solar power/renewable energy, of the total demand.
- XIII. PP shall submit conservation plan for schedule 1 species duly approved by Chief wild life warden prior to grant of EC.
- XIV. Noise monitoring to be carried out before and after the noise barrier already erected.
- XV. All the vehicles for internal use in the hospital premises should be battery operated.

9. The grant of environmental clearance is subject to compliance of Standard EC Conditions as specified by the Ministry vide OM dated 4th January, 2019 for the said project/activity as per **Annexure**, and compliance of other general conditions, as under: -

- (i) 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.
- (ii) 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.
- (iii) 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.
- (iv) The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
- (v) 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).

- (vi) 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 fresh water.
- (vii) 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.
- (viii) 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.
- (ix) 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.
- (x) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (xi) A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- (xii) 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.
- (xiii) 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.
- (xiv) 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.
- (xv) 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 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.
- (xvi) 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

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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.

- (xvii) 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.

11. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

12. This issues with approval of the competent authority.


(Dr. Subrata Bose)
Scientist 'F'

Copy to:

- 1) The Secretary, Directorate of Environment, Government of Haryana, SCO 1-2-3, Sector 17 D (Second Floor), Chandigarh.
- 2) The Addl. Principal Chief Conservator of Forests (Central), Ministry of Environment, Forests and Climate Change, Regional Office (NZ), Bay No.24-25, Sector 31-A, Dakshin Marg, Chandigarh-160030.
- 3) The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
- 4) The Member Secretary, Haryana Pollution Control Board, C-11, Sector-6, Panchkula, Haryana 134109.
- 5) Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
- 6) Guard File/ Record File/ Notice Board.
- 7) MoEF&CC website.


(Dr. Subrata Bose)
Scientist 'F'

Annexure A7

*Copies of Newspaper
Advertisements regarding
Environmental Clearance
dated 27.09.2019*

पति-बच्चा घायल

सुरगढ़, 1 अक्टूबर (निस)

शहर के बालौर रोड पर मेला ग्राउंड के पास एक तेज रफ्तारी होडा सिटी कार ने बाइक सवार दंपति व शिशु को टक्कर मार दी। हादसे में महिला की मौत हो गई, जबकि उसका पति व शिशु घायल हो गए। मृतका की पहचान शीतल (26) पत्नी अनुज के रूप में हुई है।

आर्य नगर के गली नंबर-3 का निवासी यह दंपति अपने 14

माह के बेटे शिवांश को दवा दिलाने के लिए डॉक्टर के पास जा रहे थे। जब ये मेला ग्राउंड के मोड़ पर पहुंचे तो सामने से तेज गति में आ रही एक कार के साथ बाइक की सीधी टक्कर हो गयी। अनुज व शिवांश तो साइड में गिर गए, लेकिन शीतल को कार दूर तक घसीटती ले गयी। सिटी थाने से मामले के जांच अधिकारी विनोद कुमार ने कहा कि कार चालक को गिरफ्तार कर लिया गया है।

किया जाम

गामा

पहले दिन नहीं हो पाई बाजरे की खरीद



लोहारू के गांव ढिगावा की अनाज मंडी में मंगलवार को बाजरा खरीद में अव्यवस्था पर हंगामा करते किसानों को समझाते पुलिस अधिकारी। -निस

दूर की जाएंगी गलतियां : सचिव

मार्केट कमिटी के सचिव अमित रोहिल्ला मौके पर पहुंचे। उन्होंने किसानों को समझाता कि मैनुअल एंट्री कर उनका बाजरा तुलवा दिया जाएगा। पोर्टल खुलवा कर रविवार को गेट पास जारी कर दिए जाएंगे। कल से दोनों गांव की री-ऑक्शन करवा कर जो भी गलतियां हैं, उनको दूर कर दिया जाएगा।

बने भाकियू के बैनर तले किसान मंडी के सामने धरने पर बैठ गए।

साढ़े 12 बजे तक खरीद शुरू कराने का अल्टीमेटम दिया।

जब तक हमारी मांगें पूरी नहीं की जाएंगी। अखिल किसान सभा के खंड

प्रधान कर्ण सिंह जैनावास और रणधीर सिंह ने भी धरने को अपना समर्थन दिया।

को स्वर्णवास हो चुका है। यह कि अब बतौर वारसान श्रीमती विजय शर्मा पत्नी धर्म देव शर्मा, निवासी मकान नं० 570 सैक्टर-8 फरीदाबाद अब उक्त जायदाद को अपने नाम ट्रांसफर कराना चाहती हैं। यह कि (1) विजय शर्मा (पत्नी) (2) संजोय शर्मा (पुत्र) 3 कल्पना शर्मा (पुत्री) 4. मीना शर्मा (पुत्री) 5. अर्चना शर्मा (पुत्री) 6. मीरा शर्मा (पुत्री) के अलावा सर्व 0 भी धर्म देव शर्मा के कोई अन्य वारसान नहीं है; यदि किसी व्यक्ति को उक्त भूखण्ड/सम्पत्ति के हस्तांतरण के विरुद्ध आपत्ती हो तो यह इस सूचना के प्रकाशन से 30 दिन के अन्दर अपनी आपत्ती पुरती करके दस्तावेज सहित लिखित रूप में सम्पदा अधिकारी हरियाणा शहरी विकास प्राधिकरण फरीदाबाद को जमा कर अन्याय हरियाणा शहरी विकास प्राधिकरण के नियम अनुसार एस्टेट ऑफिसर उक्त सम्पत्ति के उत्तराधिकार को स्वीकृति दे सकती है तत्पश्चात् अगामी दायरे पर विचार नहीं किया जायेगा। कानूनी वारसान श्रीमती विजय शर्मा

संपत्ति 100 प्रतीक हस्तांतरण के अनुसार दिनांक 23.10.2018 को मृतक का देवी जिनका शिवाई के अनुसार दिनांक 23.10.2018 और के एन. बजा दिनांक 22.06.2013 का विधान हो गाया और उनके कोई पत्नी का अप्रतीक वसीयत नहीं है। उनके देहांत के बाद निम्नलिखित वारिस हैं- स्नेह ज्योति सोनी (पुत्री) इनके अलावा अन्य कोई वारिस नहीं है। स्नेह ज्योति सोनी पत्नी श्री अलावा अन्य कोई वारिस नहीं है। स्नेह ज्योति सोनी पत्नी श्री सविन सोनी (पुत्री) रज्जु श्री के एन. बजा और रज्जु श्री कम्ला देवी) निवासी मकान नं. बी-81, फस्ट फ्लोर, गियर पार्क नगर, रामग्रह कालोनी, चंदर नगर, गाजियाबाद उत्तर प्रदेश-201011 की रहने वाली हैं कानूनी वारिस होने के नाते अपने पक्ष में उनके संपत्ति के हस्तांतरण के लिए आवेदन करना चाहती हैं। अगर किसी भी व्यक्ति को इस प्लॉट/घर के हस्तांतरण के खिलाफ आपत्ति हो रही है तो यह इस सूचना को प्रकाशन की तारीख से 30 दिन के अन्दर आपत्ति के दस्तावेज के सम्पत्ति के साथ एस्टेट ऑफिसर हरियाणा शहरी विकास प्राधिकरण फरीदाबाद को जमा कर अन्याय कर सकते हैं अन्यथा एस्टेट ऑफिसर हरियाणा शहरी विकास प्राधिकरण नीति के अनुसार संपत्ति एवं उत्तराधिकार स्वीकृति दे सकता है और बाद में किसी भी प्रकार के दावे पर विचार नहीं किया जाएगा। कानूनी वारिस स्नेह ज्योति सोनी

सार्वजनिक सूचना

आम जनता को सूचित किया जाता है कि पर्यावरण एवं वन मंत्रालय भवन, जोर बाग रोड़, नई दिल्ली-03 की ओर से जारी पत्र संख्या 23/279/2018-IA, III (V) दिनांक 27 सितम्बर 2019 द्वारा सैक्टर-51, गुरुग्राम-122001 हरियाणा में अस्पताल भवन के निर्माण को पर्यावरण की दृष्टि से अनुमति प्रदान की गयी है जो (आई ओ अधिसूचना 2006) के अनुसार है। अनुमति की प्रति हरियाणा राज्य पर्यावरण नियन्त्रण बोर्ड और पर्यावरण एवं वन मंत्रालय की वेबसाइट <http://www.envfor.nic.in> पर भी देखी जा सकती है। यह सार्वजनिक सूचना उपरोक्त कथित परियोजना को प्रदान किये गये पर्यावरण अनुमति की शर्तों के पालन में जारी की जा रही है।

अर्टिमिस मेडी केयर सर्विस लिमिटेड
दिनांक : 02.10.2019

सैक्टर-51, गुरुग्राम

ग्राम पंचायत नौशहरा, जिला यमुनानगर नीलामी सूचना

ग्राम पंचायत नौशहरा की पंचायत भूमि में बने तालाब की मछली पालन के लिए 5 वर्ष के लिए खुली बोली दिनांक 04.10.2019 को गांव में मौके पर होगी। बोलीदाता को 2000/- रुपये बतौर जमानत राशि पहले जमा करानी होगी। बाकी शर्तें मौके पर सुनाई जाएंगी।

सचिव,
राजकुमार

DI-90849

सरपंच ग्राम पंचायत,
नौशहरा।

हिमाचल प्रदेश सरकार सिंचाई एवं जन स्वास्थ्य विभाग शिमला-2

संख्या:आई.पी.एच.-बी(एच)1-20/2019-कांगड़ा

दिनांक 27.09.2019

अधिसूचना

यतः हिमाचल प्रदेश के राज्यपाल को यह प्रतीत होता है कि हिमाचल प्रदेश सरकार को सरकारी व्यय पर सार्वजनिक प्रयोजन हेतु नामतः महाल बगरूड, तहसील व मौजा ज्वाली, जिला कांगड़ा में पावर प्रोजेक्ट के निर्माण हेतु भूमि अर्जित करनी अपेक्षित है। अतएव एतद्वारा यह अधिसूचित किया जाता है कि उक्त परिक्षेत्र में, जैसा कि निम्न विवरणों में निर्दिष्ट किया गया है, उपरोक्त प्रयोजन के लिए भूमि का अर्जन अपेक्षित है।

- यह अधिसूचना ऐसे सभी व्यक्तियों, जो इससे संबंधित हो सकते हैं, की जानकारी के लिए भूमि अर्जन, पुनर्वास और पुनर्व्यवस्थापन में उचित प्रतिकर और पारदर्शिता अधिकार अधिनियम, 2013 (2013 का 30) की धारा-11 के उपबन्धों के अंतर्गत जारी की जाती है।
- पूर्वोक्त धारा द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए राज्यपाल हिमाचल प्रदेश इस समय इस उपक्रम में कार्यरत सभी अधिकारियों, कर्मचारियों और श्रमिकों को इलाके की किसी भी भूमि में प्रवेश करने और सर्वेक्षण करने तथा उप धारा द्वारा अपेक्षित अथवा अनुमतः अन्य सभी कार्यों को करने के लिए सहर्ष प्राधिकार देते हैं।
- कोई भी हितवद्ध व्यक्ति, जिसे उक्त परिक्षेत्र में कथित भूमि के अर्जन पर कोई आपत्ति हो, तो वह इस अधिसूचना के प्रकाशित होने के 60 (साठ) दिन की अवधि के भीतर लिखित रूप में कलेक्टर कांगड़ा के समक्ष अपनी आपत्ति दायर कर सकता है।

विस्तृत विवरणी			
जिला	तहसील	महाल	खसरा नं.
कांगड़ा	ज्वाली	बगरूड	6
			7
			किता-
			क्षेत्र (हेक्टेयर में)
			00-10-81
			00-11-06

against Barcelona (in the semi-finals) was where we won the Champions League last season," said Ruse, who is an expert panellist with Sony Pictures Sports Network for Uefa Champions League.

shouting at players during the match but once the final whistle was blown he would come and smile and hug them.
"It feels great to know that your coach cares about you

the depth in the Liverpool squad, they stand a chance to win both Champions League and Premier League this season," the Norwegian added.

Benfica; RB Leipzig v VfL Wolfsburg; Internazionale Milan; Valencia v Ajax; Salzburg; (*10.25pm, all other matches

NORTHERN RAILWAY		
Tender Notice		
The Sr. Divisional Commercial Manager/Coaching, Northern Railway, Delhi division, New Delhi invites e-tender for the following work:		
1	Name of work with its location	Commercial Advertisement Rights through vinyl stickers/wrapping on exterior space of coaches of Mail/Express/Superfast trains over Delhi Division for a period of five years.
2	Details of Trains/e-notice number	E-tender Notice Number Publicity Vinyl Wrap01-2019 to Publicity Vinyl Wrap35-2019 (Separate Bids are to be submitted for each Group of Train)
3	Date of Tender Opening	Trains 40 Mail/Express/Superfast Express Trains over Delhi Division 25.10.2019 up to 1100 hrs.
4	Approximate cost of work	As per NIT on ireps.gov.in
5	Cost of Tender document including 18% GST	As per NIT on ireps.gov.in
6	Earnest Money Deposit	www.ireps.gov.in
7	Website particulars where complete details of tender document can be seen	https://ireps.gov.in
No. 7PUB/VinylWrapping/MailExpress/2019 Dated : 30.09.2019 3167/19		
Serving Customers With A Smile		

INLAND WATERWAYS AUTHORITY OF INDIA
(Ministry of Shipping, Government of India)
Head Office, A-13, Sector -1, Noida, U.P. -201301
Email: ce.iwai@nic.in, Phone: 0120-2522971

NOTICE INVITING EXPRESSION OF INTEREST (EOI)
Online Expression of Interest (Eoi) are invited from reputed firms for Development, Operation & Maintenance of Ship Repair Facility at Pandu on river Brahmaputra (NW-2) through PPP Model.
1) Last Date for online submission: 24.10.2019 up to 1500 hrs.
2) Details of eligibility criteria and other terms & conditions are given in Eoi.
Eoi can be downloaded from: www.iwai.nic.in & <https://eprocure.gov.in/eprocure/app>.
Online submission will be through <https://eprocure.gov.in/eprocure/app>
DIRECTOR (NER)

NORTHERN RAILWAY
E-TENDERING
OPEN TENDER NOTICE No. NIT-22/UMB-2019-20 DATED 27.09.2019
Open tenders through E-tendering are invited by Sr. Divisional Engineer/Coordination, Northern Railway, Ambala from the willing contractors for following work upto 15.00 hrs. on the date of closing shown against the work and will be opened thereafter. S. No: 1. Name of Work: (i) Repair to gutters & AC sheet roofing of passenger PF shelter at PF no. 3 & 4 and main booking counter sheds & repair to deteriorated CC flooring with Kota stone flooring at PF no. 5, 6 & 7 at BTI station. (ii) Repair to road from RPF barrack chowk to Block No. T-144 (Front) & in front of Block No. 377, 378, Block No. L-39 to L-42 etc. in Railway Colony BTI in the section of SSE/W/E/BTI under ADEN/BTI. Approx. Cost: Rs. 62,42,845/-. Earnest Money: Rs. 1,24,900/-. Cost of Tender document: Rs. 5,000/-. Period of Completion: 04 Months. Date of closing & opening: 24.10.2019. S. No: 2. Name of Work: 1) Repair to Roof leakage of staff quarters at Saharanpur & Khanalampura. 2) Repair to sluice valve, augmentation of water supply & over head steel tank at Khanalampura. 3) Repair to water supply pipe line system of MEMU car shed at Saharanpur in the section of SSE/W/E/Saharanpur under ADEN/Saharanpur. Approx. Cost: Rs. 54,45,233/-. Earnest Money: Rs. 1,08,900/-. Cost of Tender document: Rs. 5,000/-. Period of Completion: 05 Months. Date of closing & opening: 24.10.2019. S. No: 3. Name of Work: 1) Painting to steel structures of platform shelters at Saharanpur. 2) Repair to water hydrant and old water supply pipe lines & sewer lines at Yamuna nagar Jagadhri & Saharanpur. 3) Repair & Renovation of RPF. Approx. Cost: Rs. 66,00,688/-. Earnest Money: Rs. 1,32,000/-. Cost of Tender document: Rs. 5,000/-. Period of Completion: 05 Months. Date of closing & opening: 24.10.2019. S. No: 4. Name of Work: Hiring of 02 Nos. Inspection Vehicles i.e. Tavera/Scorpio/Mahindra XYLO or Similar on monthly basis for 24 months for Sr. DEN-III/UMB & ADEN/SRE. Approx. Cost: Rs. 23,71,273/-. Earnest Money: Rs. 47,400/-. Cost of Tender document: Rs. 3,000/-. Period of Completion: 24 Months. Date of closing & opening: 24.10.2019. S. No: 5. Name of Work: Supply of 40000 cum 65mm gauge stone ballast nominal size machine crushed duly stacked & loaded in to Rail borne Trucks/BOB's in the depot at Ganauli on Sirhind - Nangaldam Section under DEN/Track/Ambala. Approx. Cost: Rs. 2,94,56,800/-. Earnest Money: Rs. 2,97,300/-. Cost of Tender document: Rs. 10,000/-. Period of Completion: 10 Months. Date of closing & opening: 24.10.2019. S. No: 6. Name of Work: Provision of ballastless track on main line (platform line) by providing washable apron on PF No. 3 at Saharanpur in the section of SSE/W/L/SRE under ADEN/SRE. (AS PER T.PLAN NO. L-42). Approx. Cost: Rs. 1,28,53,833/-. Earnest Money: Rs. 2,14,300/-. Cost of Tender document: Rs. 5,000/-. Period of Completion: 04 Months. Date of closing & opening: 24.10.2019. NOTE:- 1. Tenderers are required to upload scanned copies of all related eligibility documents including PAN/TIN/GST as per conditions. The required Earnest Money & Tender document cost will be acceptable On-line payment through Net Banking/ or Payment Gateway payment only well before & upto 15.00 hrs. of closing date & time of tender. 2. Tenderers should have Class-III Digital Signature Certificate to E-Tendering of works tenders. 3 For detail, please log on IREPS website 3168/2019

सार्वजनिक सूचना
आम जनता को सूचित किया जाता है कि पर्यावरण एवं वन मंत्रालय भवन, जोर बाग रोड, नई दिल्ली-03 की ओर से जारी पत्र संख्या 23/279/2018-IA.III (V) दिनांक 27 सितम्बर 2019 द्वारा सैक्टर-51, गुरुग्राम-122001 हरियाणा में अस्पताल भवन के निर्माण को पर्यावरण की दृष्टि से अनुमति प्रदान की गयी है जो (आई ओ अधिसूचना 2006) के अनुसार है। अनुमति की प्रति हरियाणा राज्य पर्यावरण नियन्त्रण बोर्ड और पर्यावरण एवं वन मंत्रालय की वेबसाइट <http://www.envfor.nic.in> पर भी देखी जा सकती है। यह सार्वजनिक सूचना उपरोक्त कथित परियोजना को प्रदान किये गये पर्यावरण अनुमति की शर्तों के पालन में जारी की जा रही है।
दिनांक : 02.10.2019
अर्टिमिस मेडी केयर सर्विस लिमिटेड
सैक्टर-51, गुरुग्राम

Railway Recruitment Board
Lichi Bagan, Muzaffarpur-842001
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IMPORTANT NOTICE
CEN No. 02/2019 for Paramedical Categories
INDICATIVE NOTICE FOR FINAL RESULT OF PROVISIONAL PART PANEL-I
The Final result of Provisional Part Panel-I of those candidates who have been found Medically Fit for the post of Paramedical Categories against CEN No. 02/2019, has been published on 29.09.2019 through the notice board and website of RRB/Muzaffarpur.
The details are also available on the official website of RRB/Muzaffarpur www.rrbmuzaffarpur.gov.in.
All candidates are advised that they should keep viewing the official websites of RRBs regularly.
No. RRB/MFP/CEN-02/2019/21
Date : 29.09.2019
CHAIRMAN
RRB/MFP