

To,  
**The Member Secretary**  
**State Environment Impact Assessment Authority (SEIAA).**  
**Qr. No. 5RF-2/1, Unit-IX**  
**Bhubaneswar-751022, Odisha.**

**Sub: Submission of Half Yearly Compliance Report from October-2017 to March-2018.**

**Ref: EC Order No. 623/SEIAA, Dtd.19.04.2015.**

Sir,

With reference to above subject, we are submitting herewith the half yearly compliance report in respect of stipulated prior Environmental Clearance terms and conditions in respect of our Residential Project at Sukinda; Jajpur, Odisha of M/s. Sureka Merlin Promoters Pvt. Ltd.

**Thanking You**  
**Yours faithfully**

For **Sureka Merlin Promoters Pvt. Ltd.**

CC to:

**Regional Office (EZ), MoEF**  
**A/3, Chandrasekharpur,**  
**Bhubaneswar - 751023**

**SIX MONTHLY COMPLIANCES TO ENVIRONMENTAL CLEARANCE**

**FOR THE MONTH FROM OCTOBER-2017 to MARCH-2018**

**For**

**RESIDENTIAL HOUSING PROJECT OF SUREKA MERLIN  
PROMOTERS PVT.LTD,**

**AT**

**MOUZA-TRIJANGA, MANPUR, TAHASIL-SUKINDA, DIST-JAJPUR.**

**Six Monthly Environmental Clearance Compliance Report for (S+10) Residential Building of  
M/s Sureka Merlin Promoters Pvt. Ltd., at Mouza- Trijanga, Manapur, Tahasil- Sukinda,  
District-Jajpur.**

<b>Sl.No.</b>	<b>Conditions</b>	<b>Compliance</b>
<b>1. General Condition</b>		
i	The project proponent shall approve the building plan from concerned authority and comply all the conditions stipulated in the building approval letter. This environmental clearance is subject to approval of building plan by KNDA, Jajpur.	The unit has already been approved of building plan from KNDA, Jajpur vide Order no.BP-348/13 ( Part II) 23/KNDA, Dtd.09.01.2018
ii	The applicant (project proponent) will take necessary measures for prevention, control and mitigation of Air Pollution, Water Pollution, Noise Pollution and Land Pollution including solid waste management as mentioned by them in Form-1, Form-1A, and Environment Management Plan (EMP) in compliance with the prescribed statutory norms and standards.	Agreed, measures for prevention, control and mitigation of Air Pollution, Water Pollution, Noise Pollution and Land Pollution including solid waste management are being followed.
iii	The applicant will take statutory clearance / approval/permissions from the concerned authorities in respect of the project as and when required.	Agreed, will take statutory clearance /approval/permissions from the concerned authorities as and when required.
iv	The applicant will submit half yearly compliance report on post environmental monitoring in respect of the stipulate terms and conditions in the Environmental clearance to the State Environmental Impact Assessment Authority (Odisha (SEIAA) on 1 <sup>st</sup> June and 1 <sup>st</sup> December of each calendar year.	Half yearly compliance report on post environmental monitoring will be submitted to SEIAA, Odisha as per Schedule.
v	The project proponent shall obtain periodic Occupancy Renewal Certificate from the competent authority at an interval of 3 to 5 years as per the provisions of National Building Code (NBC) 2005.	Agreed
vi	The Project proponent shall comply to all the conditions stipulated by the fire Prevention Officer, Odisha.	We will comply with all the conditions stipulated by the fire Prevention Officer, Odisha.
vii	The applicant will adopt the prescribed norms, and standards provided in the National Building Code of India, 2005.	The prescribed norms, and standards provided in the National Building Code of India, 2005, relating to fire protection, safety of personnel, lighting, water supply, drainage, noise etc has been adopted during construction phase.
viii	Considering the peak water consumption the design of the water supply system and the sewage disposal system of the project should be based on the provisions of water consumption.	The water supply system and the sewage disposal system will be designed considering peak water consumption of the occupants of the building.
ix	The project proponent should ensure advertising in at	We had intimated the fact of

	least two local newspapers widely circulated in the region, one of which shall be in vernacular language informing the public that, the project has been accorded environment clearance and copies of the clearance letters are available with SEIAA, Odisha and the Odisha State Pollution Control Board (OSPCB) and may also be seen on the website of the board. The advertisement shall be made within 7 (Seven) days from the date of issue of the environmental clearance & a copy of the same should be forwarded to the Regional Office of MoEF, Bhubaneswar.	grant of environmental clearance of the project in two local news papers in Oriya and English.
x	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	It is already been complied.
xi	The proponent shall upload the status of compliance of the stipulated environmental clearance condition, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office, SEIAA, Odisha, the respective Zonal Office of CPCB and the SPCB.	The monitoring data shall be submitted to OSPCB, MoEF Regional office regularly.
xii	The environment statement for each financial year ending 31 <sup>st</sup> March in form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as per 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 send to the respective Regional Offices of the Ministry by e-mail.	Will be submitted.
xiii	Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	Noted.

## 2. Special conditions

<b>A. Construction Phase</b>		
i	No ground water shall be extracted for the project work at any stage during the construction phase. If ground water will be used during construction phase, they shall obtained permission from the Water Resource Department.	Water is being supplying through tankers to meet the requirement during construction phase.
ii	Provision shall be made for the housing of construction labourers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medicinal health care, crèche etc. The housing may be in the form of temporary stuctures to be removed after the completion of the project.	Temporary housing structure are being provided inside the site the labours and workers. However most of labourers are coming from the nearby areas, thus they do not need accommodation facility expect

		drinking water and toilet.
iii	A First-Aid room will be provided in the project site both during construction and operation of the project.	A First-Aid room will provide in the project.
iv	All the top soil excavated during construction activities should be stored separately for use in land filing, horticulture/ landscape development within the project site.	The excavated top soil generated during construction activities is stored in a safe place to avoid erosion. This will be used in plantation within the project site.
v	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and will be disposed off taking the necessary precautions for general safety and health aspects of people only in approved sites with the approval of competent authority.	Agreed, safe disposal of muck with necessary precautions has been taken to prevent any adverse effect.
vi	Construction spoils, including bituminous material and other hazardous materials should not be allowed to contaminate watercourses, ground water and dump sites by following safe dumping / disposal practice as per statutory rules and norms with necessary approval of the Odisha State Pollution Control Board.	All precautions adopted to avoid contaminated/leaching of toxic materials into ground water.
vii	The fuel for diesel generator sets to be used during construction phase shall use low sulfur diesel fuel and should conform to Environment (Protection) Rules 1986 prescribed for air emission and noise standards.	Agreed, monitoring data of the site shows that air and noise in the region within the stipulated standards as per Environment (Protection) Rules 1986.
viii	The diesel required for operating DG sets shall be stored in underground tanks and, if required, clearance from the Chief Controller of Explosives shall be taken.	The daily diesel consumption is purchased from the nearby fuel refilling station.
ix	Vehicles use for bringing construction materials to the site should be in good condition and should have a pollution check certificate, covered and conform to statutory air and noise emission standards and should be operate only during non-peak hours of the day.	Vehicles having pollution checked certificates are engaged for the construction work and are operated only during non-peak hours.
x	Ambient noise levels should conform to residential standard both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be taken to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/OSPCB.	The monitoring report of ambient air quality and noise level indicates the values to be within the standards, stipulated by CPCB. The analysis report is being attached / submitted.
xi	Fly ash bricks should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and as amended thereafter.	Fly ash bricks / blocks made up of fly ash are being used as per Fly Ash Notification of September, 1999.
xii	Ready mixed concrete would be used in building construction.	Ready mixed concrete will be used in building construction.
xiii	Storm water control and its re-use should be as per CGWB and BIS standards for these applications.	The provisions for storm water control and its reuse are being implemented during the

		construction and post construction phase which will meet the standards of CGWB and BIS.
xiv	Water demand during construction should be optimized by adopting best practices without compromising quality. It should be brought to the site by the tanker.	The maximum possible pre-mixed concrete will be used in construction to reduce water demand.
xv	Separation of grey and black water supplies and collection should be done by the use of dual plumbing line. Grey and black water should be treated before recycling / reuse.	The dual plumbing line will be adopted during the building construction for separation of grey and black water.
xvi	Fixtures for showers, toilet flushing and drinking water should be of low flow type and restricted to requirements by use of aerators, avoiding wastage pressure reducing devices or sensor based controls.	Low flow type fixtures for showers, toilets flushing and drinking will be used to reduce wastage of water.
xvii	Use of glass may be maximum up to 40% of total outer wall area to reduce the energy consumption and load on air conditioning. If necessary, high quality double glass with special reflective coating may be used in the windows.	The energy efficient glazed windows will be used to reduce electricity consumption.
xviii	Roof should meet the prescribed requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.	Shall be adopted.
xix	Opaque wall should meet prescriptive requirements as per Energy Conservation Building Code.	The opaque walls of maximum U-factor (i.e. U-0.352 w/m <sup>2</sup> °C and minimum R-values of insulation (i.e. R-2.35 m <sup>2</sup> °C/W) being adopted for all air conditioned spaces.
xx	The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of firefighting equipments etc. as per National Building Code of India, 2006 including protection measures from lightening etc.	Agreed
xxi	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase to avoid disturbances and pollution to the surroundings.	Agreed, all the stipulated conditions have been strictly followed to avoid disturbances and pollution to be surroundings.
xxii	'Consent to Establish' shall be obtained from Odisha State Pollution Control Board before start of any construction work at the site.	The unit has obtained Consent to Establish from OSPCB vide order No.13548/Ind-II-NOC-5902, Dtd.06.08.2015.
<b>B.</b>	<b>OPERATION PHASE</b>	
i	No ground water shall be used during the operation phase. If ground water will be used during operation phase, they shall obtain permission from the water Resources Department.	Agreed.
ii	The proponent has to install of STP of 475 KLD based on (FAB technology). Treatment of 100% grey water by	During operational phase 232m <sup>3</sup> /day will be met from

	decentralized treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards of the Odisha State Pollution Control Board. Necessary measures should be taken to mitigate the odour problem from STP.	city Water Supply or ground water source. Total 220 KLD of treated water from STP will be reused for Flushing, Landscaping & cooling tower of club.etc. During the operational stage of the proposed project, waste water demand will be 276 KLD and treated effluent shall conform to the norms and standards of the Odisha State Pollution Control Board.
iii	In no case there should be any discharge of treated effluent to outside of the project premises.	Will be taken care of.
iv	The STP sludge should not be dried nor incinerated within the project site and should be disposed off as per the norms of SPCB, Odisha.	Solid Waste Management to ensure effective collection, transportation and disposal in accordance with the respective manuals and SPCB norms and regulations.
v	The STP must treat all kinds of pollutants present in it and its capacity should take into account the entire load of sewage / Waste generated by inhabitants.	Will be taken care of.
vi	The project proponent will ensure that under no circumstances, the environment is polluted due to non-functioning / under performance of sewage disposal system of the project.	Will be taken care of.
vii	The solid waste generated should be properly collected and segregated. Wet garbage along with STP sludge should be composted and dry / inert solid waste should be disposed through a certified agency for safe disposal. For such disposal necessary approval / permission may be obtained from the concerned authorities. In no case waste should be left in the premises untreated. The certified agency shall also ensure disposal of solid waste in and approved disposal site.	Will be taken care of.
viii	Diesel power generating sets propose as source of back-up power for lifts elevators and common area illumination during operation phase should be of enclosed type and conform to Environment Protection (EP) rules 1986. The height of the stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets put together and should be more than the highest building height. Low sulfur diesel should be used. The location of the DG sets may be decided in consultation with Odisha State Pollution Control Board. Care may be taken to avoid disposal of smoke/pollutants from DG sets in the residential area. Low sulfur diesel of oil (LDO or HSD) is to be used in DG set.	All DG sets will be enclosed type conforming to the environment Protection (EP) rules 1986. Height of D.G stack will be following the CPCB guidelines.

ix	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time, the noise levels measured at the boundary of the sites shall be restricted to the permissible levels to comply with the prevalent regulations.	The Noise Management Plan is designed to ensure the control and limitation of potential sources of noise during the operation phases.
x	Green belt & avenue Plantation of trees over the site area (minimum 20%) shall be done using native tree species/shrubs improving greenery & keeping in view aesthetics considerations in the whole complex. Professional landscape architects should be engaged to design the green layout to provide for multi tier plantation and green fencing all around, mitigating various environmental pollutants like dust; noise, emissions etc. and pathway for joggers.	Adequate green belt development will be done within site.
xi	Rain water harvesting for roof runoff and surface run-off should be implemented as per submitted plan. Before recharging the runoff, pre-treatment must be done to remove suspended matter, oil, grease and other soluble components as per norms. Rainwater recharge should be through specified recharge pits of required numbers. The surface runoff water should be stored suitably treated and reused for landscaping. The bore-well for rainwater recharging should be kept at least 5 mts, above the highest ground water table. The technology may preferably be adopted from a registered commercial firm with performance guarantee.	Proper rain water harvesting system, as recommend by SEAC, will be implemented at site.
xii.	Weep holes in compound walls shall be provided to ensure natural drainage of excessive rain water in the project area during the monsoon period after the harvesting operations. Care must be taken so that there is no water logging in the territory and drainage is 100%.	Will be taken care of.
xiii.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Traffic congestion shall be avoided inside the project site. The area ear-marked for parking shall not be used for any other purpose. Alternate entry and exit must be provided to handle excess traffic and emergency situations.	Recommendations have been considered in the design proposal and will be implemented at site accordingly.
xiv	A report on the energy conservation measures confirming to energy conservation norms finalized, by the Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submitted to the SEIAA, Odisha in three months time before operations/habitation.	Will be submitted
xv	Provisions of solar hot water storage/supplies at the roof top may be made as per statutory norms of CPCB/MoEF/SPCB, Odisha.	Will be considered.
xvi.	Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should	Will be taken care of.

	be in place before project commissioning. Used CFLs and TFLs should be properly collected and disposed off/ sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid toxic contamination. Use of solar panels is adapted to the maximum extent possible, especially for street lights.	
xvii	The building blocks should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Considered in the design proposal.
xviii	The funds earmarked for the environment protection measures shall be judiciously utilized. Under no circumstances this fund shall be diverted for other purpose like Annual allocation and maintenance /monitoring etc. and expenditure for this fund should be reported to the SEIAA, Odisha on regular basis.	Will be taken care of.

## LIST OF ANNEXURES

Annexure-I	Six monthly average monitoring data for Ambient Air Quality
Annexure-II	Six monthly average monitoring data for Water Quality
Annexure-III	Six monthly average monitoring data for Noise Level
Annexure-IV	Six monthly average monitoring data for Soil Quality

**ANNEXURE-I**

**AMBIENT AIR QUALITY RESULTS, Six monthly Averages (Oct'17 to Mar'18)**

<b>Pollutant (unit)</b>	<b>Locations of Sampling</b>				<b>Standards (unit)</b>	<b>Method of Measurement</b>
	<b>Near Main Gate</b>	<b>Near Block No-6</b>	<b>Near Block No-9</b>	<b>Sulai Village</b>		
PM <sub>10</sub> (µg/m <sup>3</sup> )	71.4	63.8	57.3	45.3	100 (µg/m <sup>3</sup> )	Gravimetric method
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	42.0	36.2	31.8	23.8	60 (µg/m <sup>3</sup> )	Gravimetric method
SO <sub>2</sub> (µg/m <sup>3</sup> )	7.8	6.1	5.2	4.4	80 (µg/m <sup>3</sup> )	Improved West Gaeke method.
NO <sub>x</sub> (µg/m <sup>3</sup> )	35.6	29.6	25.8	21.6	80 (µg/m <sup>3</sup> )	Jacob &Hochhelsler modified (Na- Arsenite) method
CO (mg/m <sup>3</sup> )	0.51	0.39	0.32	0.28	4(mg/m <sup>3</sup> )	NDIR Spectroscopy method

## ANNEXURE-II

### WATER QUALITY RESULTS, Six monthly Averages (Oct'17 to Mar'18)

#### WATER QUALITY OF BORE WELL NEAR MAIN GATE

Sl.No.	Parameter	Unit	Testing Methods	Standard as per IS -10500:1991	Oct'17 to Mar'18
1	Colour	Hazen	APHA 2120 B, C	5	CL
2	Odour	--	APHA 2150 B	U/O	U/O
3	Taste	--	APHA 2160 C	Agreeable	AL
4	Turbidity	NTU	APHA 2130 B	5	2.7
5	pH Value	--	APHA 4500H+ B	6.5-8.5	6.7
6	Total Hardness (as CaCO <sub>3</sub> )	mg/l	APHA 2340 C	300	78.0
7	Iron (as Fe)	mg/l	APHA 3500Fe, B	0.3	0.21
8	Chloride (as Cl)	mg/l	APHA 4500Cl- B	250	22.0
9	Residual, free Chlorine	mg/l	APHA 4500Cl, B	0.2	ND
10	Dissolved Solids	mg/l	APHA 2540 C	500	235.0
11	Calcium (as Ca)	mg/l	APHA 3500Ca B	75	29.18
12	Magnesium (as Mg)	mg/l	APHA 3500Mg B	30	2.0
13	Copper (as Cu)	mg/l	APHA 3111 B,C	0.05	<0.05
14	Manganese (as Mn)	mg/l	APHA 3500Mn B	0.1	<0.005
15	Sulphate (as SO <sub>4</sub> )	mg/l	APHA 4500 SO <sub>4</sub> <sup>2-</sup> E	200	3.2
16	Nitrate (as NO <sub>3</sub> )	mg/l	APHA 4500 NO <sub>3</sub> <sup>-</sup> E	45	1.78
17	Fluoride (as F)	mg/l	APHA 4500F- C	1.0	0.015
18	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 5530 B,D	0.001	<0.001
19	Mercury (as Hg)	mg/l	APHA 3500 Hg	0.001	<0.001
20	Cadmium (as Cd)	mg/l	APHA 3111 B,C	0.01	<0.001
21	Selenium (as Se)	mg/l	APHA 3114 B	0.01	<0.001
22	Arsenic (as As)	mg/l	APHA 3114 B	0.05	<0.001
23	Cyanide (as CN)	mg/l	APHA 4500 CN- C,D	0.05	ND
24	Lead (as Pb)	mg/l	APHA 3111 B,C	0.05	<0.01
25	Zinc (as Zn)	mg/l	APHA 3111 B,C	5	<0.05
26	Anionic Detergents (as MBAS)	mg/l	APHA 5540 C	0.2	<0.2
27	Chromium (as Cr <sup>+6</sup> )	mg/l	APHA 3500Cr B	0.05	<0.05
28	Mineral Oil	mg/l	APHA 5220 B	0.01	<0.01
29	Alkalinity	mg/l	APHA 2320 B	200	81.0
30	Aluminium as( Al)	mg/l	APHA 3500Al B	0.03	<0.001
31	Boron (as B)	mg/l	APHA 4500B, B	1	<0.01
32	Poly Aromatic Hydrocarbon as PAH	µg/l	APHA 6440 B	--	<0.0001
33	Pesticide	mg/l	APHA 6630 B,C	Absent	Absent

**Note: CL: Colourless, AL: Agreeable ND: Not Detected**

*For Visiontek Consultancy Services Pvt. Ltd.*

**WATER QUALITY RESULTS, Six monthly Averages (Oct'17 to Mar'18)**

**WATER QUALITY OF BORE WELL NEAR BLOCK NO-6**

Sl.No.	Parameter	Unit	Testing Methods	Standard as per IS - 10500:1991	Jan'18 to June'18
1	Colour	Hazen	APHA 2120 B, C	5	CL
2	Odour	--	APHA 2150 B	U/O	U/O
3	Taste	--	APHA 2160 C	Agreeable	AL
4	Turbidity	NTU	APHA 2130 B	5	3.0
5	pH Value	--	APHA 4500H <sup>+</sup> B	6.5-8.5	6.9
6	Total Hardness (as CaCO <sub>3</sub> )	mg/l	APHA 2340 C	300	75.0
7	Iron (as Fe)	mg/l	APHA 3500Fe, B	0.3	0.18
8	Chloride (as Cl <sup>-</sup> )	mg/l	APHA 4500Cl <sup>-</sup> B	250	26.0
9	Residual, free Chlorine	mg/l	APHA 4500Cl, B	0.2	ND
10	Dissolved Solids	mg/l	APHA 2540 C	500	229.0
11	Calcium (as Ca <sup>2+</sup> )	mg/l	APHA 3500Ca B	75	25.84
12	Magnesium (as Mg)	mg/l	APHA 3500Mg B	30	2.5
13	Copper (as Cu)	mg/l	APHA 3111 B,C	0.05	<0.05
14	Manganese (as Mn)	mg/l	APHA 3500Mn B	0.1	<0.005
15	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	mg/l	APHA 4500 SO <sub>4</sub> <sup>2-</sup> E	200	4.4
16	Nitrate (as NO <sub>3</sub> <sup>-</sup> )	mg/l	APHA 4500 NO <sub>3</sub> <sup>-</sup> E	45	1.92
17	Fluoride (as F <sup>-</sup> )	mg/l	APHA 4500F <sup>-</sup> C	1.0	0.017
18	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	APHA 5530 B,D	0.001	<0.001
19	Mercury (as Hg)	mg/l	APHA 3500 Hg	0.001	<0.001
20	Cadmium (as Cd)	mg/l	APHA 3111 B,C	0.01	<0.001
21	Selenium (as Se)	mg/l	APHA 3114 B	0.01	<0.001
22	Arsenic (as As)	mg/l	APHA 3114 B	0.05	<0.001
23	Cyanide (as CN <sup>-</sup> )	mg/l	APHA 4500 CN <sup>-</sup> C,D	0.05	ND
24	Lead (as Pb)	mg/l	APHA 3111 B,C	0.05	<0.01
25	Zinc (as Zn)	mg/l	APHA 3111 B,C	5	<0.05
26	Anionic Detergents (as MBAS)	mg/l	APHA 5540 C	0.2	<0.2
27	Chromium (as Cr <sup>+6</sup> )	mg/l	APHA 3500Cr B	0.05	<0.05
28	Mineral Oil	mg/l	APHA 5220 B	0.01	<0.01
29	Alkalinity	mg/l	APHA 2320 B	200	79.0
30	Aluminium as( Al)	mg/l	APHA 3500Al B	0.03	<0.001
31	Boron (as B)	mg/l	APHA 4500B, B	1	<0.01
32	Poly Aromatic Hydrocarbon as PAH	µg/l	APHA 6440 B	--	<0.0001
33	Pesticide	mg/l	APHA 6630 B,C	Absent	Absent

**Note: CL: Colourless, AL: Agreeable ND: Not Detected**

*For Visiontek Consultancy Services Pvt. Ltd.*

**ANNEXURE-III**

**NOISE MONITORING REPORT, Six monthly Averages (Oct'17 to Mar'18)**

Date of Survey	Time of Survey	Noise Value in dB(A)		Permissible Limit in dB(A)	Remarks
		Residential Area			
Oct'17 to Mar'18	Day Time 6:00AM-10:00 PM	N-1:Near Main Gate	74.8	75	Within the standard
		N-2:Near Block No-6	71.0		
		N-3:Near Block No-9	68.6		
		N-4:Sulei Village	63.2		

Date of Survey	Time of Survey	Noise Value in dB(A)		Permissible Limit in dB(A)	Remarks
		Residential Area			
Oct'17 to Mar'18	Night Time 10:00 PM to 6:00AM	N-1:Near Main Gate	65.0	70	Within the standard
		N-2:Near Block No-6	43.6		
		N-3:Near Block No-9	41.8		
		N-4:Sulei Village	39.7		

*For Visiontek Consultancy Services Pvt. Ltd.*

**ANNEXURE-IV**

**SOIL QUALITY REPORT (Oct'17 to Mar'18)**

**SOIL QUALITY NEAR MAIN GATE**

<b>Sl. No.</b>	<b>Parameters</b>	<b>Unit</b>	<b>Oct'17 to Mar'18</b>
1	pH	--	6.8
2	Colour	--	Light brown
3	Soil Texture	--	Sandy Clayey
4	Moisture content	%	9.4
5	Bulk Density	gm/cc	1.33
6	Potassium as K <sub>2</sub> O	%	0.18
7	Phosphorus as P <sub>2</sub> O <sub>5</sub>	%	0.22
8	Available Nitrogen	%	0.028
9	Organic Matter	%	2.6
10	Chloride as Cl	%	0.019
11	Sulphate as SO <sub>4</sub>	%	0.03
12	Iron as Fe	%	1.7
13	Calcium as Ca	%	0.52
14	Magnesium as Mg	%	0.29

*For Visiontek Consultancy Services Pvt. Ltd.*

**SOIL QUALITY REPORT (Oct'17 to Mar'18)**

**SOIL QUALITY NEAR BLOCK NO-6**

<b>Sl. No.</b>	<b>Parameters</b>	<b>Unit</b>	<b>Oct'17 to Mar'18</b>
1	pH	--	6.8
2	Colour	--	Grey
3	Soil Texture	--	Sandy Clayey
4	Moisture content	%	9.2
5	Bulk Density	gm/cc	1.36
6	Potassium as K <sub>2</sub> O	%	0.16
7	Phosphorus as P <sub>2</sub> O <sub>5</sub>	%	0.22
8	Available Nitrogen	%	0.032
9	Organic Matter	%	2.9
10	Chloride as Cl	%	0.016
11	Sulphate as SO <sub>4</sub>	%	0.032
12	Iron as Fe	%	1.5
13	Calcium as Ca	%	0.63
14	Magnesium as Mg	%	0.34

**SOIL QUALITY REPORT (Oct'17 to Mar'18)**

**SOIL QUALITY NEAR BLOCK NO-9**

<b>Sl. No.</b>	<b>Parameters</b>	<b>Unit</b>	<b>Oct'17 to Mar'18</b>
1	pH	--	6.6
2	Colour	--	Brown
3	Soil Texture	--	Sandy Clayey
4	Moisture content	%	9.8
5	Bulk Density	gm/cc	1.35
6	Potassium as K <sub>2</sub> O	%	0.23
7	Phosphorus as P <sub>2</sub> O <sub>5</sub>	%	0.24
8	Available Nitrogen	%	0.026
9	Organic Matter	%	3.3
10	Chloride as Cl	%	0.021
11	Sulphate as SO <sub>4</sub>	%	0.03
12	Iron as Fe	%	1.75
13	Calcium as Ca	%	0.56
14	Magnesium as Mg	%	0.32

**SOIL QUALITY REPORT (Oct'17 to Mar'18)**

**SOIL QUALITY SULAI VILLAGE**

<b>Sl.No.</b>	<b>Parameters</b>	<b>Unit</b>	<b>Oct'17 to Mar'18</b>
1	pH	--	6.9
2	Colour	--	Grey
3	Soil Texture	--	Sandy Clayey
4	Moisture content	%	9.4
5	Bulk Density	gm/cc	1.34
6	Potassium as K <sub>2</sub> O	%	0.17
7	Phosphorus as P <sub>2</sub> O <sub>5</sub>	%	0.23
8	Available Nitrogen	%	0.024
9	Organic Matter	%	3.4
10	Chloride as Cl	%	0.02
11	Sulphate as SO <sub>4</sub>	%	0.032
12	Iron as Fe	%	1.4
13	Calcium as Ca	%	0.48
14	Magnesium as Mg	%	0.29