



TRANS ASIAN SHIPPING SERVICES (P) LTD.

REGD. & CORPORATE OFFICE: TRANS ASIA CORPORATE PARK, XIV/396-C, SEAPORT AIRPORT ROAD, CHITTETHUKARA, KAKKANAD, COCHIN-682 037, INDIA.
TEL : +91 484 409 6000, FAX : +91 484 242 7947, Email : info@tassgroup.com, Website: www.tassgroup.com CIN No : U63090KL1992PTC006824

Date : 24/05/17

To

The Director
MoEF &CC,
Regional Office (South Zone),
Kendriya Sadan, IVth floor ,
E&F Wing ,17th main Road,
Second Block,Koramangala ,Banglore .

Sirs

Sub : Environmental Clearance for construction of Commercial IT Space at Survey No. 86/1,98/198/5102/5, Puthencruz Village Ernakulum - **Compliance Report 3**

Ref : EC Order No. F.No. 21-158/2014-IA.III, **Letter from MOEF No EP/12.1/4/2015 - 16/ker/1/4/16**, dtd 18th June, 2015, 1st Compliance report submitted on 15/06/16, 2nd Compliance report submitted on 25/11/16.

With reference to the above we are submitting the **3rd Compliance report** for the EC order, mentioned above. Also, enclosed herewith the copy of consent to Establish from Kerala SPCB, CSR activities, Monitoring Performa and Compliance Monitoring report of the last season.

For M/s TRANS ASIAN SHIPPING SERVICES PVT LTD


AUTHORIZED SIGNATORY



BRANCHES :

INDIA: AHMEDABAD • BENGALURU • CHENNAI • COCHIN • COIMBATORE • GANDHIDHAM • HYDERABAD • KOLKATA • LUDHIANA • MUMBAI
• NAGPUR • NEW DELHI • SURAT • TUTICORIN • VISAKHAPATNAM OVERSEAS: COLOMBO • DUBAI • MALAYSIA • SINGAPORE

Ministry of Environment & Forests
Southern Regional Office
BENGALURU

Monitoring Report

PART-I
DATA SHEET

1. Project type : CONSTRUCTION OF I T PARK
2. Name of the Project : TRANS ASIA CYBER PARK
3. **Clearance/Approval letter(s) No. : F.No. 21-158/2014-IA.III dtd 18th june ,2015**
▪ **& date**
 - NOC from Infopark Single Window Clearance Board -Kochi , SWCB/2193/2014 (INFOPARK Single Window Clearance)
 - Consent to Establish issued under Water and Air Act from Kerala State Pollution control board has been obtained ,Consent No .PCB/HO/EKM/ICE/01/2016
 - Consent from Fire department NOC NO...G1-13609/14..

4. Locations

- a District(s) : ERNAKULAM
- b State(s) : KERALA
- c Latitudes/Longitudes : The project is located at 10° 00' 14.72" N Latitude and 76° 22' 31.87" E Longitude

5. Address of Correspondence

- a Address of concerned
Head of Organization
(with pin code and Telephone
/telex/fax numbers) Mob. nos: ,
 - : Mr MARYLIN JOHNSON Director
 - Trans Asian Shipping Services (p) ltd
 - XIV/396 CTrans Asia Corporate Park
 - Chittethukara Sea Port Air Port Road
 - Cochin 682037
 - Land line no -0484 4096000
 - Mob No : 9947007404
 - Fax No 0484 2427945



b Address of Head of project
(with pin code and Telephone
/telex/fax numbers)

: Mr SANTHOSH MATHEW
Manager -Projects
Trans Asian Shipping Services (p) ltd
XIV/396 CTrans Asia Corporate Park
,Chittethukara Sea Port Air Port Road
Cochin 682037
Land line no -0484 4096000
Mob No : 9961345053
Fax No : 0484-2427947
Email id: smw@tassgroup.com

6. Salient features

- a) Of the project : Developing IT related business
- b) Of the environmental management plan : Develop the project with a sustainable environmental management plan

7. Break up of the project areas in ha)

Forest area : NA
Non-forest area : 8337 m2
Total : 8337 M2

8. Break up of the project affected population : NA .No inhabitants in the project area

Number of oustees	Homestead	Land oustees	Landless / Artisans
SC, ST/Adivasis Others	NA		

9. Financial Details

- a)Project cost as originally :
planned and subsequent
revised estimates and the years
of price reference : 110 Cr

- b)Allocations made for
environmental management plans,
with item wise & year wise break up : 10 Lakhs



c) Benefit cost ratio/internal rate of return & the year of assessment : IRR 7

d) Whether(c) includes the cost of :
environmental management as
shown in b) above : YES

e) Actual expenditure incurred on :
Project EMP the environmental
Management plans so far Expenditure

Medical cum first aid room	: Rs 10,000/-
Toilets	: Rs 20,000/-
Barricading	: Rs 50,000/-
Drinking water	: Rs 20,000/-
Monitoring	: Rs 57,500/-

10. Status of construction

a) .Date of commencement (actual
and/or planned) : September 2015

b) Date of completion (actual
and/or planned) : December 2017

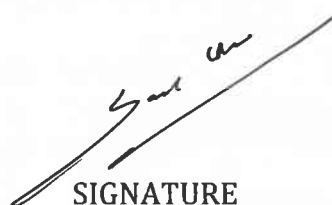
c) Date of commissioning : December 2017

11. Project process details

Components	Construction	Completion	Commissioning
1) Engineering and other project Components(lift,HVAC etc)	1/11/16	30/7/17	1/11/17
2) Environmental Management and Pollution Control components (STP)	01/12/16	1/5/17	15/06/17

DATE - 24/05/2017




SIGNATURE

**HALF YEARLY COMPLIANCE REPORT FOR PROPOSED IT- PARK
PROJECT OF**

M/s TRANS ASIAN SHIPPING SERVICES (P) Ltd

MAY 2017

F.No. 21-158/2014-IA.III dtd 18th june ,2015



LIST OF TABLE

- 1. Table 01 - Status of compliance to the conditions in the Environmental clearance by the MoEF for the project M/s TRANS ASIAN SHIPPING SERVICES (P) Ltd**

LIST OF ANNEXURES

Sl.No	Annexure	Specification
1	ANNEXURE 01	NOC from Infopark Single Window Clearance Board -Kochi
2	ANNEXURE 02	Consent to Establish from Kerala SPCB
3	ANNEXURE 03	NOC from Fire and Rescue Department
4	ANNEXURE 04	Environmental Monitoring Reports : Ambient Air – 02 quarter Ambient Noise – 02 quarter Ground water - 01 no Construction water – 01 no Flue gas emission of DG – 01 no
5	ANNEXURE 05	CSR Activities
6	ANNEXURE 06	Photographs of Sites

Sl No	Conditions	Compliance
a. General Condition		
1	The Project Proponent shall insure that the guidelines issued vide this Ministry's OMNo.19-2/2013-IA.III dated 09.06.2015, to be followed for building and construction projects to ensure sustainable environmental management in pursuance of Notification No.3252(E) dated 22.12.2014 under the EIA Notification, 2006, as applicable, are followed in this project.	Noted
2	Consent for Establishment shall be obtained from Kerala State Pollution Control Board under Air and Water Act	Consent to Establish issued under Water and Air Act from Kerala State Pollution control board has been obtained , Consent No .PCB/HO/EKM/ICE/01/2016Valid till 31/07/2017, .Fresh application shall be submitted immediately for the renewal
3	The Project Proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work.	Statutory licenses viz Panchayath License, Fire department consent has taken for the project. 1. NOC No INFOPARK/SWCB/2193/2014 (INFOPARK Single Window Clearance Board Cochin 2. Fire department NOC NO...G1-13609/14..
4	During construction phase, total water requirement is 14 KLD which shall be met by Kerala Water Authority supply, Open well existing at site & Stored rainwater. During the construction phase, portable toilets with mobile STP for disposal of waste water shall be provided. Temporary sanitary toilets shall be provided for labor force.	14 KLD water consumption required for the construction purposes which source from infopark water supply. Provided temporary toilets and septic tank facility at sites and labour camp out side the camp
5	About 0.422 TPD solid wastes will be generated in the project. The biodegradable waste (253.20Kg/day) shall be processed Organic Waste Convert or and the non-biodegradable waste generated (168.80Kg/Day) shall be handed over to authorized local vendor.	During this phase of construction solid waste were generated are only form work wood waste ,Ad mixture plastic containers .Containers disposing through authorised vendors / recyclers.

6	The total power requirement during construction phase is 40kVA which shall be met from Kerala State Electricity Board and 62.50 kVA capacity D.G. Set shall be installed. The total power requirement during operation phase is 2,900kVA which shall be met from Kerala State Electricity Board and D.G. Sets 4x1010 kVA capacity and 1x500kVA capacity shall be installed as standby. D.G sets shall be at least 6 m away from the boundary.	For this phase power allocated from KSEB through KINFRA and installed a DG set 180 KVA , make KIRLOSKER GREEN
7	Roof top rain water of buildings shall be collected in RCC RWH tanks of total 700 KL capacity for harvesting after filtration.	Noted and shall be implemented
8	Parking facility for 648 ECS+797 Two Wheelers shall be provided against the requirement of 639 ECS according to local norms and 511 ECS according to NBC respectively.	Noted and shall be implemented
9	The project proponent shall comply with the conditions of clearance/NOC from Fire department	Fire department NOC NO...G1-13609/14..
10	The Project Proponent shall obtain all necessary clearance/permission from all relevant agencies	Statutory licenses viz Panchayath Licence, Fire department consent has taken for the project. 1. NOC No INFOPARK/SWCB/2193/2014 (INFOPARK Single Window Clearance Board Cochin) 2. Fire department NOC NO...G1-13609/14..
11	The project proponent shall put in place a credible enforcement mechanism for compliance of energy conservation measures with its allottees, as projected, in perpetuity. This would be monitored by the designed Energy Conservation/efficiency Authority in the State.	for this phase environmental cell is handling the same and shall be implemented a energy conservation plan for the operational phase
12	Temporary toilets will be provided for all construction labour.	at site provided temporary toilet facility for all labors and staffs
13	Suitable toilet fixtures for water conservation shall be provided	Noted
14	The rain water harvesting plan should be incorporated by the CGWA	Noted

15	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	PROVIDED Outside the site Temporary housing structure for 150 labours were provided with cooking facilities ,toilets ,and Septic tank ,water for drinking and cooking .Inside the site we have provided Temporary Toilets ,Urinals ,First aid centre with adequate facilities .
16	(iii) A First Aid Room will be provided in the project both during construction and operation of the project.	First aid centre is in the site facilitated with medicines ,stretcher ,Ambulance and beds ..
17	(iv) All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Top soil up to 2m is filled with red earth .No basement is provided within the structure so there is no extra top soil has not excavated.
18	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Muck from oiling has been used for filling the infopark low lying land with their consent
19	(vi) Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	A open well sample collected from 200 m away from the site and analysed during this period and results were found within the stipulated limits
20	(viii) Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that should not leach into the ground water.	No need of any other discharge for bituminous and other hazardous materials, which do not allowed to contaminate the watercourses and ground water by leaching.
21	(x) Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Kerala State Pollution Control Board.	Hazardous waste are not generated in this construction phase thus do not need of any disposal plan.
22	The diesel generator sets to be used during construction phase should be low sculpture diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards	Capacity of DG set 180 KVA And make KIRLOSKER GREEN Flue gas emission test and noise monitoring was conducted . The result was within the permissible limit.
23	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.	Only limited usage of diesel are there and DG inbuilt 300 litres fuel Tank is used for storage

24	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non peak hours	only contracted vehicles having Pollution Under Control certificate allowed to work and are not allowed in peak hour
25	Ambient noise levels should conform to residential standards both during day and night. Incremental standards ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/KSPCB.	Working hours 8am to 6pm . During day and night the noise level limited as per the standard limits.
26	Fly ash should be used as building material in the construction as per provisions of Fly Ash Notification of September, 1999 and amended as on 27 th August 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).	Not Applicable
27	Ready mixed concrete must be used in building construction.	Concrete using from in situ Batching plant
28	Storm water control and its re-use as per CGWB and BIS standards for various applications.	Provided Storm water silt pit
29	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred	Water sprayers are used for curing the concrete other than slabs .In situ ready mix concrete is used .
30	Separation of grey and black water should be done by the use of dual. Fixtures for showers ,toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control. Use of glass may be reduced by up-to 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Noted
31	Under the provision of Environment (Protection) Act 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Already obtained

ANNEXURE I

NOC From Infopark Single Window Clearance Board –Kochi

SMOOTH SPOOF *UX*

Infopark/SWCB/ 2193 /2014
October 8, 2014

FORM C
Infopark Single Window Clearance Board – Kochi

This Initial NOC is issued by Infopark Single Window Clearance Board, Kochi to M/s Trans Asia Shipping Services Pvt Ltd.

In accordance with Kerala Industrial Single Window Clearance Boards and Industrial Township Area Development Act, 1999, Article 10, 26 & 27, the Board has decided to issue clearance/certificate/license as per the decision of the Board taken on 19-09-2014 for the following:

Name & Address of the Applicant	: M/s M/s Trans Asia Shipping Services Pvt Ltd,
District/Taluk/Village	: Ernakulam /Kunnathunadu /Puthencruz
Village/Survey No.	: 86/1 part, 98/1 part, 98/5 part, 102/5 part
Industrial Area	: Infopark Kochi Phase-II

Building Permit to commence construction of your campus consisting of IT Building and other facilities at Infopark Phase-II SEZ is hereby granted subject to the following.

1. M/s Trans Asia to obtain the SEIAA clearance before commencement of construction.
2. M/s Trans Asia to strictly follow the building rules , to be followed under the head of "high rise buildings"
3. M/s Trans Asia to follow the NBC guide lines with respect to Fire & Rescue provisions for the building

This certificate is issued on M/s Trans Asia Shipping Services Pvt Ltd by the authorized signatory of the Board with seal.

Seal

Name & Designation

Sini
Designated Authority
Single Window Clearance Board
Infopark Kochi

Sini.P.S, Manager Projects



Infopark Kochi
(Fully owned by Govt. of Kerala)
Park Office, "Athulya", Infopark Kochi P.O., Kakkanad, Kochi - 682 042
Ph : +91-484-2415217 / 18 / 31 / 32, Fax : +91-484-2415240
e-mail: info@infoparkkochi.com web : www.infopark.in



ANNEXURE II

Consent to Establish from Kerala State Pollution Control Board

FILE NO. :PCB/HO/AE2/EKM/ICE/ 01 /2016

Date of issue :06/02/2016



KERALA STATE POLLUTION CONTROL BOARD

CONSENT TO ESTABLISH

ISSUED UNDER

Section 25 of Water (Prevention & Control of Pollution) Act, 1974

Section 21 of the Air (Prevention & Control of Pollution) Act, 1981

and

Environment (Protection) Act, 1986

As per Application No. :147661

Dated:11-08-2014

TO

M/s TRANS ASIA IT PARK

TRANS ASIA IT PARK,INFOPARK PHASE II, NEAR BRAHMAPURAM

682042

Consent No. :PCB/HO/EKM/ICE/ 01 /2016

Valid Upto :31/07/2017

1. GENERAL

1.1. This integrated consent is granted subject to the power of the Board to withdraw consent, review and make variation in or revoke all or any of the conditions as the Board deems fit.

1	VALIDITY	31/07/2017
2	Name and Address of the establishment	TRANS ASIA IT PARK TRANS ASIA IT PARK, INFOPARK PHASE II, NEAR BRAHMAPURAM 682042
3	Communication	Telephone :0484-4096000 Fax :- E-mail:smw@tassgroup.com
4	Occupier Details	Trans Asian Shipping Service Pvt Ltd Represented by Director Marylin Johnson Kodinjoor House, Padamugal, Kakkannad
5	Local Body	Vadavukode-Puthencruz Panchayat
6	Survey Number	86/1,98/1,98/5,102/5
7	Village	Puthencruz
8	Taluk	KUNNATHUNADU
9	District	Ernakulam ii
10	Capital Investment(Rs in Lakhs)	Rs 83.88 crores
11	Scale	Medium
12	Category	ORANGE
13	Annual fee(Rs)	Rs 100000
	Total Fee remitted(Rs)	Rs 300000
14	Activity	IT building in 2.06 acres at Infopark phase II SEZ with total built up area 54936.51 square metre. DG set as per application.

2. CONDITIONS AS PER

The Water(Prevention and Control of Pollution)Act, 1974

2.1 Sewage Treatment Plant (STP) consisting of treatment units having adequate capacity shall be made functional/ arrangement for sewage treatment shall be provided, as per the proposal submitted along with the application, before commissioning of the establishment. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(1)(g) of the Water Act shall also be made along with.

2.2 Water Consumption : 225000 l/d

2.3 Effluent Generation : 180000 l/d

2.4 The characteristics of effluent after treatment shall confirm to the following tolerance limits:

Sl.NO.	Characteristics	Unit	Tolerance Limits		
			Irrigation/ Soak pit	Flushing/ Gardening/ Reuse	Discharge to Public Sewer
1	pH	-	5.5-9	6.5-8.5	5.5-9
2	Suspended Solids	mg/l	100	20	600
3	BOD	"	30	3	350
4	Oil & Grease	"	10	1	20



- 2.5 Mode of disposal of treated effluent : Reuse for gardening, flushing and balance disposed through soak pit having concreted bottom, honeycombed brick work or perforated ring side wall and 75 cm thick 2 mm sand envelope around it.

3. CONDITIONS AS PER

The Air(Prevention and Control of Pollution)Act, 1981

- 3.1 Adequate air pollution control measures shall be provided before commissioning of the industry. Additional facilities required, if any, to achieve the standards laid down by the Board shall also be made along with.

Stack No.	Sources of Emission	Emission Rate(Nm ³ /Hr)	Stack Height above		Control Equipment
			Ground Level	Roof Level	
1	As per application	-	-	-	-

- 3.2 Emission characteristics shall not exceed the following:

Sl.No.	Parameter	Limiting Standards (mg/Nm ³)
1	NA	NA

4. CONDITIONS AS PER

The Environment (Protection) Act, 1986.

- 4.1 The construction activities shall be carried out strictly in compliance with the provisions of the Noise Pollution (Regulation and Control) Rules 2000.
- 4.2 Used lead acid batteries shall be disposed of as per the Batteries (Management and Handling) Rules, 2001
- 4.3 e-waste shall be disposed off safely as per the e-waste (Management and Handling) Rules, 2011.

5. ADDITIONAL CONDITIONS

- 5.1 The location of, the industry/out let shall be as per the approved drawing attached.

5.2 The effluent treatment plant consisting of treatment units as per the proposal submitted along with the application shall be constructed above ground level/cellar room and having adequate space for inspection so as to achieve the specified standards before commissioning the project.

5.3 The sullage after chemical precipitation and settling shall join the sewage in the aeration unit.

5.4 Anaerobic system shall be introduced for sewage before treating in the aeration tank. Sewage may first be treated in septic tank and the overflow may be taken for further treatment in anaerobic reactor and aeration tank.

5.5 Back wash from the filters shall be taken into aeration tank.

5.6 The screenings from the screen, skimmings from oil trap and entire sludge from sullage settling tank and excess sludge from post aeration tank along with biodegradable garbage shall be fed into biogas plant.

5.7 Disinfection unit shall be introduced between Pressure sand filter and Activated carbon filter.

5.8 There shall be easy access to each and every effluent treatment unit and the recycling facility for

inspection. Lighting arrangements shall be provided in the effluent treatment area, recycling area and backyard.

5.9 Time of Day type meter shall be installed exclusively for the effluent treatment and reuse system and shall be maintained properly.

5.10 The biodegradable solid waste including garbage shall be treated and disposed through biogas plant. Biogas and slurry shall be properly utilised.

5.11 Arrangements shall be provided for rain water harvesting and for utilization of harvested rain water. Facility for ground water recharge shall also be made.

5.12 Diesel generator of adequate capacity shall be provided as backup power to run the sewage / waste water treatment plant along with all associated pollution control devices.

5.13 Natural drainage of the area shall be protected.

5.14 Water meter shall be fixed to record consumption of water.

5.15 The sound level measured at 1 m outside the boundary of the premises shall not exceed the ambient sound level applicable to the adjoining area.

5.16 All operations likely to produce dust or noise shall be carried out with appropriate enclosure.

5.17 Water sprinklers shall be provided to suppress spreading of dust outside the premises during the construction phase.

5.18 Suspended particulate matter at the boundary of the premises shall not exceed the standards applicable to the adjoining area.

OTHER CONDITIONS

6.1 At the end of the validity period if the construction is in progress, the same shall be got renewed. If the construction is not started in the consent period, the applicant shall apply afresh for consent to establish.

6.2 The applicant shall comply with the instructions that the Board may issue from time to time regarding prevention and control of air, water, land and sound pollution.

6.3 The date of commissioning of the project shall be intimated at least one month in advance to the District Office of the Board.

6.4 Consent to Operate under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 shall be obtained by the builder before commissioning the project.

6.5 A minimum set back as per Municipality Building Rule shall be provided between the boundary and the building and the set back can be utilised for the development of green belt.

6.6 Sewage Treatment Plant (STP) shall be set up beyond a minimum distance of $10 \log Q$ metre, where Q is the sewage inflow in m³/day, from the nearest residence/ other establishments.

6.7 D. G. sets shall be placed at a minimum distance of square root(kVA/2) meter from nearest residence/worship places/other institutions (kVA is the capacity of D G set).

6.8 Proper precautionary measures shall be provided during construction phase to minimize disturbance to neighbours and neighbouring properties due to excavation, piling, transportation of materials etc.

6.9 The construction debris and mud discharges etc from the construction site shall be disposed safely.

6.10 Sanitary facilities shall be provided to the construction workers.

6.11 Non-biodegradable wastes shall be collected with due segregation and disposed off safely to genuine recyclers. The mode of disposal shall be intimated to the Board.

6.12 Water & energy conservation measures shall be adopted. Renewable source of energy namely solar energy shall be utilized.

6.13 Suitable species of trees and curtain plants shall be planted and maintained within and along the periphery of the premises, forming a green belt to improve the environment.

6.14 Adequate safety measures shall be provided in accordance with fire safety regulation.

6.15 Environmental Clearance from the concerned authorities shall be obtained before starting construction activities.

DATE :06/02/2016

SIGNATURE & SEAL OF ISSUING AUTHORITY

MEMBER SECRETARY

OFFICE SEAL

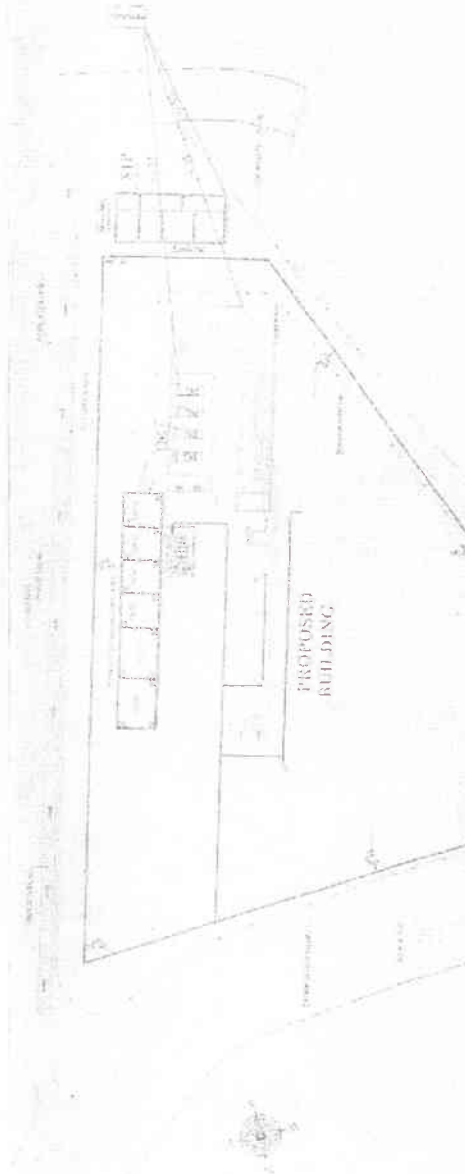
To

✓ M/s Trans Asian Shipping Services Pvt. Ltd
XIV 396 C, Trans Asia Corporate Park
Chittethukara ,Kakkanad,Cochin 682037

(For Trans Asia IT Park,Infopark Phase II, Near Brahmapuram KUNNATHUNADU ERNAKULAM)

Copy To

1. Environmental Engineer, District Office-2, Ernakulam
2. Stock file



Approved site plan

[Signature]

Member Secretary

Approved site plan

ENVIRONMENTAL ENGINEER



Project No. 86/08/198/5/100
Village Puthuvayal
Panchayat Puthuvayal Puthuvayal
Block Kottayam
District Kottayam

Project No. 86/08/198/5/100
Village Puthuvayal
Panchayat Puthuvayal Puthuvayal
Block Kottayam
District Kottayam

ANNEXURE III
NOC from Fire and Rescue Department

Fire & Rescue Services Hqrs.

Housing Board Junction,

Thiruvananthapuram-1

Phone:0471-2320872.

Email:keralafireandrescueservices@gmail.com

Dated:27.10.2014.

No.Q1-13609/14

NO OBJECTION CERTIFICATE

(SITE)

The plan of 20(G+19) storeyed Business Building having a height of 73.00 metres and with total plinth 54936.51M² in Survey No.86/1, 98.1, 98/5, 102.5 in Puthencruz Village in vadavucode Grama Panchayat proposed to be constructed by Smt.Merlin Johnson, Director, Trans Asia Shipping Services (P) Ltd., Trans Asia Corporate Park, 14/396C, Chittethukara, Kakkanad, Cochin-682037 was verified by the Scrutiny Committee, Fire & Rescue Services, Headquarters, Thiruvananthapuram on 24.10.2014. The Committee has recommended to issue No Objection Certificate in respect of the plan submitted by the applicant subject to the following conditions:

- (1) Existing relevant rules and approved fire fighting system plan.
- (2) Fire escape & main staircases should reach up to the roof top.
- (3) Fire lift is essential in all blocks as per NBC Part IV 2005.
- (4) Any Deviation in the Final Site Plan submitted will invalidate this NOC and a fresh NOC need to be obtained.
- (5) This No Objection Certificate pertains only to the fire fighting arrangements proposed to be installed in the building. The civil construction proposed shall be got scrutinized and approved by the appropriate local authority, separately.
- (6) Regarding Helipad approval should be obtained from competent authority.
- (7) Construction of fire escape should be as per KMBR Rule 42(3).
- (8) Capacity of fire pumps should be increased to 4500 LPM.

2) This No Objection Certificate is issued under my seal and authority for the proposed construction of a 20 storeyed Business building in the above mentioned site and survey number. A fresh No Objection Certificate should be obtained from this Department after completion of construction and before occupation of the building.

Sd/-

**P.CHANDRASEKHARAN, IPS
COMMANDANT GENERAL,
FIRE & RESCUE SERVICES.**

To

M/s.Infopark, Cochin.

Vide Lr.No.Infopark/SW

Copy to

The Party (with approved fire fighting system plan)

The Assistant Divisional Officer, Fire & Rescue Services, Ernakulam.

The Station Officer, Fire & Rescue Station, Trikkakkara.



Approved for issue,

**JOE KURUVILLA EASOW,
DIRECTOR (ADMN.)**

ANNEXURE IV
ENVIRONMENTAL MONITORING RESULTS



ENVIRODESIGNS ECO LABS

Eco Tower, Janatha Jn., Palarivattom, Kochi-682 025, Ph: 0484-4042556, 9349126109, Fax : 4052445
Web : www.enviroidesigns.in, E-mail: lab@enviroidesigns.in, enviroidesignsecolabs@gmail.com

TEST REPORT

Page 1 of 1

Report No. : 699/EEL/01/196

Issued To:

Issue Date : January 23, 2017

M/s. Trans Asian Shipping Service Pvt. Ltd.
Trans Asia Corporate Park
Kakkanad
Kochi.

Customer ref.: WO. No. TASSCYP/WO/041/15-16

Sample Particulars: Soil sample

Sample receiving date: January 19, 2017

Lab identification code: NSO/01/196

Analysis starting date: January 19, 2017

Analysis completion date: January 23, 2017

Quantity of sample received: 2kg

Description of sample by the customer: Soil sample

Tests required: For the parameters listed below;

SAMPLE TESTED AS RECEIVED

Sl. No.	Parameter	Unit	Method	Result
1.	Soil Type	--	--	Silty Sand
2.	Colour	--	--	Reddish brown
3.	Moisture Content	%	IS 2720(Pt 2)-1973	5.30
4.	Conductivity at 25°C	µS/cm	IS 14767:2000	59
5.	pH at 29°C	--	IS 2720(Pt 26)-1987	6.83
6.	Organic Carbon	mg/100gm	IS 2720(Pt 22)-1972	240
7.	Total Nitrogen as N	mg/100gm	IS 14684-1999	55
8.	Phosphorus	mg/100gm	IS 10158-1982	0.35
9.	Chlorides	mg/100gm	USEPA 9212	56.40
10.	Sodium Absorption Ratio	--	USEPA 3050B	1.20
11.	Cation Exchange Capacity	meq/100g	IS 2720(Pt 24)-1976	1.40


Susan Abraham
Quality Manager

Authorized Signatory

*This test report shall not be reproduced except in full, without the written permission of the laboratory. *The liability of the laboratory is to the extent of the testing charges received. *The above results are related only to the sample (s) submitted for testing and should not be used for advertisement, litigation etc. *The sample will be disposed after 15 days from the date of issue of test report.

Recognised Lab by Ministry of Environment & Forests, Govt. of India
Approved Lab by Kerala State Pollution Control Board ('A' grade)
Certified as per ISO 9001 : 2008 & OHSAS 18001:2007





ENVIRODESIGNS ECO LABS

Eco Tower, Janatha Jn., Palarivattom, Kochi-682 025, Ph: 0484-4042556, 9349126109, Fax : 4052445
Web : www.enviroidesigns.in, E-mail: lab@enviroidesigns.in, enviroidesignsecolabs@gmail.com

TEST REPORT

Page 1 of 1

Report No. : 094/EEL/01/094

Issued To:

Issue Date : January 24, 2017

M/s. Trans Asian Shipping Services Pvt. Ltd.
Trans Asia Corporate Park
Kakkanad, Kochi.

Customer ref.: WO No. TASSCYP /WO/041/15-16

Sample Particulars: Water sample

Sample receiving date: January 19, 2017

Lab identification code: NW/01/094

Analysis starting date: January 19, 2017

Analysis completion date: January 23, 2017

Quantity of sample received: 2L x 1

Description of sample by the customer: Water Sample
(Construction Water)

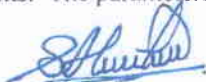
[Supplied by 'Kinfra' for the construction of
M/s. Trans Asia Cyber Park, Infopark Phase II,
Brahmapuram, Ernakulam]

Tests required: For the parameters listed below; as per specification IS 456:2000

SAMPLE TESTED AS RECEIVED

Sl. No.	Parameters	Unit	Method	Result	Permissible limit	
					For Concrete not containing embedded Steel	For Reinforced Concrete work
1.	pH at 29°C	---	Cl.2 of IS 3025 (Pt 11):1983, Reaff. 2012	6.60	>6.0	>6.0
2.	Chloride as Cl	mg/l,max	Cl. 2 of IS 3025(Pt 32):1988, Reaff. 2009	37.61	2000	500
3.	Sulphate as SO ₄	mg/l,max	Cl. 4 of IS 3025(Pt 24):1986, Reaff. 2009	12.77	400	400
4.	Total Suspended Solids	mg/l,max	IS 3025(Pt 17):1984, Reaff. 2006	33	2000	2000
5.	Organic Solids	mg/l,max	IS 3025(Pt 18):1984, Reaff. 2012	15	200	200
6.	Inorganic Solids	mg/l,max	IS 3025(Pt 18):1984, Reaff. 2012	128	3000	3000
7.	Acidity as CaCO ₃	mg/l	Cl. 8.1 of IS 3025(Pt 22):1986, Reaff. 2009	5.55	--	--
8.	Alkalinity as CaCO ₃	mg/l	Cl. 8.1 of IS 3025(Pt 23):1986, Reaff. 2009	23.50	--	--

Comments: The parameters tested as above conform to permissible limit as per IS 456:2000.


Susan Abraham
Quality Manager

Authorized Signatory

*This test report shall not be reproduced except in full, without the written permission of the laboratory. *The liability of the laboratory is to the extent of the testing charges received. *The above results are related only to the sample (s) submitted for testing and should not be used for advertisement, litigation etc. *The sample will be disposed after 15 days from the date of issue of test report.

Recognised Lab by Ministry of Environment & Forests, Govt. of India
Approved Lab by Kerala State Pollution Control Board ('A' grade)
Certified as per ISO 9001 : 2008 & OHSAS 18001:2007





ENVIRODESIGNS ECO LABS

Eco Tower, Janatha Jn., Palarivattom, Kochi-682 025, Ph: 0484-4042556, 9349126109, Fax : 4052445
Web : www.enviroidesigns.in, E-mail: lab@enviroidesigns.in, enviroidesignsecolabs@gmail.com

TEST REPORT

Page 1 of 1

Report No. : 093/EEL/01/093

Issued To:

Issue Date : January 24, 2017

M/s. Trans Asian Shipping Services Pvt. Ltd.
Trans Asia Corporate Park
Kakkanad, Kochi.

Customer ref.: WO No. TASSCYP /WO/041/15-16

Sample Particulars: Water sample

Sample receiving date: January 19, 2017	Lab identification code: NW/01/093
Analysis starting date: January 19, 2017	Analysis completion date: January 24, 2017
Quantity of sample received: 2L	Description of sample by the customer: Drinking water [Location: M/s. Trans Asia Cyber Park, Infopark Phase II, Brahmapuram, Ernakulam]
Tests required: For the parameters listed below, as per Drinking water specification IS 10500: 2012	
SAMPLE TESTED AS RECEIVED	

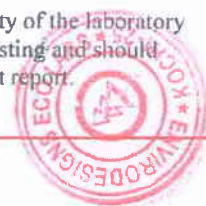
Sl. No.	Parameters	Unit	Method	Result	Requirement (Acceptable limit)
1.	pH at 29°C	---	Cl.2 of IS 3025 (Pt 11):1983, Reaff. 2012	6.70	6.5-8.5
2.	Odour	---	IS 3025 (Pt 5):1983, Reaff. 2012	Agreeable	Agreeable
3.	Colour	Hazen Units,max	Cl. 2 of IS 3025 (Pt 4):1983, Reaff. 2012	4.0	5.0
4.	Turbidity	NTU,max	IS 3025 (Pt 10):1984, Reaff. 2012	0.90	1.0
5.	Total Dissolved Solids	mg/l,max	IS 3025(Pt 16):1984, Reaff. 2006	226	500
6.	Total Hardness as CaCO ₃	mg/l,max	Cl. 5 of IS 3025(Pt 21):2009, Reaff. 2012	97.76	200
7.	Chloride as Cl	mg/l,max	Cl. 2 of IS 3025(Pt 32):1988, Reaff. 2009	77.14	250
8.	Sulphate as SO ₄	mg/l,max	Cl. 4 of IS 3025(Pt 24):1986, Reaff. 2009	10.31	200
9.	Alkalinity as CaCO ₃	mg/l,max	Cl. 8.1 of IS 3025(Pt 23):1986,Reaff. 2009	61.10	200
10.	Iron as Fe	mg/l,max	Cl. 6 of IS 3025 (Pt 53):2003,Reaff. 2009	0.32	1.0
11.	Calcium as Ca	mg/l,max	Cl. 5 of IS 3025(Pt 40):1991, Reaff. 2009	19.59	75
12.	Magnesium as Mg	mg/l,max	Cl. 6 of IS 3025(Pt 46):1994, Reaff. 2009	11.88	30
Sl. No.	Parameters	Method	Result	Requirement	
1.	E.coli or thermotolerant, coliform bacteria	IS 1622 : 1981, Reaff.2014	Absent	Shall not be detectable in any 100ml sample	


Susan Abraham
Quality Manager

Authorized Signatory

*This test report shall not be reproduced except in full, without the written permission of the laboratory. *The liability of the laboratory is to the extent of the testing charges received. *The above results are related only to the sample (s) submitted for testing and should not be used for advertisement, litigation etc. *The sample will be disposed after 15 days from the date of issue of test report.

Recognised Lab by Ministry of Environment & Forests, Govt. of India
Approved Lab by Kerala State Pollution Control Board ('A' grade)
Certified as per ISO 9001 : 2008 & OHSAS 18001:2007



TEST REPORT

Page 1 of 1

Report No. : 696/EEL/01/193

Issued To:

Issue Date : January 23, 2017

M/s. Trans Asian Shipping Service Pvt. Ltd.
Trans Asia Corporate Park
Kakkanad
Kochi.

Customer ref.: WO. No. TASSCYP/WO/041/15-16

Sample Particulars: Ambient Air sample

Date of monitoring : January 19, 2017

Location of monitoring : Ambient Air Quality at main Entrance of the Construction site of M/s. Trans Asia Cyber park , Infopark Phase II, Brahmapuram, Ernakulam.

Sample receiving date : January 19, 2017

Lab identification code : NA/01/193

Analysis starting date : January 19, 2017

Analysis completion date : January 23, 2017

Tests required: For the parameters listed below, as per CPCB Guidelines

SAMPLE TESTED AS RECEIVED

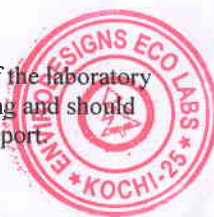
Sl. No.	Parameters	Unit	Method	Result	Limit as per NAAQ Stds.
1.	Sulphur dioxide	$\mu\text{g}/\text{m}^3$	IS: 5182 (Pt 2):2001	14.10	80
2.	Nitrogen dioxide	$\mu\text{g}/\text{m}^3$	IS: 5182 (Pt 6) : 2006	15.30	80
3.	Particulate matter (Size less than $10\mu\text{m}$) or PM_{10}	$\mu\text{g}/\text{m}^3$	IS 5182(Pt 23) :2006	74.80	100
4.	Particulate matter 2.5 (Size less than $2.5\mu\text{m}$) or $\text{PM}_{2.5}$	$\mu\text{g}/\text{m}^3$	CPCB Guidelines	25.10	60
5.	Carbon Monoxide	mg/m^3	IS: 5182 (Pt 10): 1999	1.0	2.0



Susan Abraham
Quality Manager

Authorized Signatory

*This test report shall not be reproduced except in full, without the written permission of the laboratory. *The liability of the laboratory is to the extent of the testing charges received. *The above results are related only to the sample (s) submitted for testing and should not be used for advertisement, litigation etc.*The sample will be disposed after 15 days from the date of issue of test report.



TEST REPORT

Page 1 of 1

Report No. : 698/EEL/01/195

Issued To:

Issue Date : January 23, 2017

M/s. Trans Asian Shipping Service Pvt. Ltd.
Trans Asia Corporate Park
Kakkanad
Kochi.

Customer ref.: WO. No. TASSCYP/WO/041/15-16

Sample Particulars: Stack Emission Sample

Sampling source : Emission from 180 KVA DG, Make : Kirloskar Date of monitoring : January 19, 2017
Sample receiving date : January 19, 2017 Lab identification code: NS/01/195
Analysis starting date : January 19, 2017 Analysis completion date: January 23, 2017

Tests required: For the parameters listed below;

SAMPLE TESTED AS RECEIVED

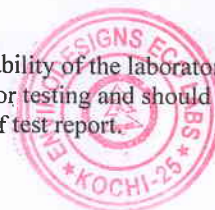
Sl. No.	Parameters	Unit	Method	Result
1.	Temperature	°C	IS: 11255 (Pt 3) - 2008	163
2.	Velocity	m/sec	IS: 11255 (Pt 3) - 2008	4.72
3.	Volume of Emission	Nm ³ /hr	IS: 11255 (Pt 3) - 2008	195
4.	Particulate Matter	g/kw- hr	IS: 11255 (Pt 1) - 1985	0.06
5.	Oxides of Nitrogen	g/kw- hr	IS: 11255 (Pt7) - 2005	0.03
6.	Carbon monoxide	g/kw- hr	USEPA method 10	0.09



Susan Abraham
Quality Manager

Authorized Signatory

*This test report shall not be reproduced except in full, without the written permission of the laboratory. *The liability of the laboratory is to the extent of the testing charges received. *The above results are related only to the sample (s) submitted for testing and should not be used for advertisement, litigation etc.*The sample will be disposed after 15 days from the date of issue of test report.



NOISE LEVEL MONITORING REPORT

Page 1 of 1

Report No. : 697/EEL/01/194

Issued To:

Issue Date : January 23, 2017

M/s. Trans Asian Shipping Service Pvt. Ltd.
Trans Asia Corporate Park
Kakkanad
Kochi.

Customer ref.: WO. No. TASSCYP/WO/041/15-16

Sample Particulars: Noise Level Monitoring

Date of monitoring : January 19, 2017

Location of monitoring : Ambient noise level monitoring at the Construction site of M/s. Trans Asia Cyber park,
Infopark Phase II, Brahmapuram, Ernakulam

Lab identification code : NN/01/194

Method Used : IS 9989:1981

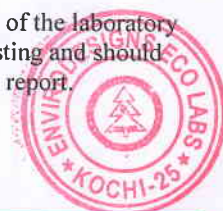
Presentation of Results

Sl. No.	Location of Monitoring	Value Reported in dB (A) L_{eq}	Limit (max) as per KSPCB
1.	Ambient noise level measured at a distance of 1.0 meter away from the boundary of the construction site:		
	During Day Time	53.1	55
	During Night Time	42.8	45


Susan Abraham
Quality Manager

Authorized Signatory

*This test report shall not be reproduced except in full, without the written permission of the laboratory. *The liability of the laboratory is to the extent of the testing charges received. *The above results are related only to the sample (s) submitted for testing and should not be used for advertisement, litigation etc. *The sample will be disposed after 15 days from the date of issue of test report.





ENVIRODESIGNS ECO LABS

Eco Tower, Janatha Jn., Palarivattom, Kochi - 682 025, Ph : 0484-4042556, 3297113, Fax : 4052445
Web : www.enviroidesigns.in, E-mail : lab@enviroidesigns.in, enviroidesignsecolabs@gmail.com

TEST REPORT

Page 1 of 1

Report No. : 7236/EEL/10/070

Issued To:

Issue Date : October 22, 2016

M/s. Trans Asian Shipping Service Pvt. Ltd.
Trans Asia Corporate Park
Kakkanad
Kochi.

Customer ref.: WO.No. TASSCYP/WO/041/15-16

Sample Particulars: Ambient Air sample

Date of monitoring : October 19, 2016

Location of monitoring : Ambient Air Quality at main Entrance of the Construction site of M/s. Trans Asia Cyber park ,
Infopark Phase II, Brahmapuram, Ernakulam.

Sample receiving date : October 19, 2016

Lab identification code : NA/10/070

Analysis starting date : October 19, 2016

Analysis completion date : October 22, 2016

Tests required: For the parameters listed below, as per CPCB Guidelines

SAMPLE TESTED AS RECEIVED

Sl. No.	Parameters	Unit	Method	Result	Limit as per NAAQ Stds.
1.	Sulphur dioxide	$\mu\text{g}/\text{m}^3$	IS: 5182 (Pt 2):2001	14.90	80
2.	Nitrogen dioxide	$\mu\text{g}/\text{m}^3$	IS: 5182 (Pt 6) : 2006	15.50	80
3.	Particulate matter (Size less than $10\mu\text{m}$) or PM_{10}	$\mu\text{g}/\text{m}^3$	IS 5182(Pt 23) :2006	63.70	100
4.	Particulate matter 2.5 (Size less than $2.5\mu\text{m}$) or $\text{PM}_{2.5}$	$\mu\text{g}/\text{m}^3$	CPCB Guidelines	26.10	60
5.	Carbon Monoxide	mg/m^3	IS: 5182 (Pt 10): 1999	1.10	2.0


Susan Abraham
Quality Manager

Authorized Signatory

*This test report shall not be reproduced except in full, without the written permission of the laboratory. *The liability of the laboratory is to the extent of the testing charges received. *The above results are related only to the sample (s) submitted for testing and should not be used for advertisement, litigation etc.*The sample will be disposed after 15 days from the date of issue of test report.



Recognised Lab by Ministry of Environment & Forests, Govt. of India
Approved Lab by Kerala State Pollution Control Board ('A' grade)
Certified as per ISO 9001 : 2008 & OHSAS 18001:2007



ENVIRODESIGNS ECO LABS

Eco Tower, Janalha Jn., Palarivattom, Kochi - 682 025, Ph : 0484-4042556, 3297113, Fax : 4052445
Web : www.enviroidesigns.in, E-mail : lab@enviroidesigns.in, enviroidesignsecolabs@gmail.com

NOISE LEVEL MONITORING REPORT

Page 1 of 1

Report No. : 7237/EEL/10/071

Issued To:

Issue Date : October 22, 2016

M/s. Trans Asian Shipping Service Pvt. Ltd.
Trans Asia Corporate Park
Kakkanad
Kochi.

Customer ref.: WO. No. TASSCYP/WO/041/15-16

Sample Particulars: Noise Level Monitoring

Date of monitoring : October 19, 2016

Location of monitoring : Ambient noise level monitoring at the Construction site of M/s. Trans Asia Cyber park,
Infopark Phase II, Brahmapuram, Ernakulam

Lab identification code : NN/10/071

Method Used : IS 9989:1981

Presentation of Results

Sl. No.	Location of Monitoring	Value Reported in dB (A) L_{eq}	Limit (max) as per KSPCB
1.	Ambient noise level measured at a distance of 1.0 meter away from the boundary of the construction site:		
	During Day Time	52.4	55
	During Night Time	43.2	45


Susan Abraham
Quality Manager

Authorized Signatory

*This test report shall not be reproduced except in full, without the written permission of the laboratory. *The liability of the laboratory is to the extent of the testing charges received. *The above results are related only to the sample (s) submitted for testing and should not be used for advertisement, litigation etc. *The sample will be disposed after 15 days from the date of issue of test report.



Recognised Lab by Ministry of Environment & Forests, Govt. of India
Approved Lab by Kerala State Pollution Control Board ('A' grade)
Certified as per ISO 9001 : 2008 & OHSAS 18001:2007



ENVIRODESIGNS ECO LABS

Eco Tower, Janatha Jn., Palarivattom, Kochi - 682 025, Ph : 0484-4042556, 3297113, Fax : 4052445
Web : www.enviroidesigns.in, E-mail : lab@enviroidesigns.in, enviroidesignsecolabs@gmail.com

TEST REPORT

Page 1 of 1

Report No. : 1807/EEL/10/081

Issued To:

Issue Date : October 25, 2016

M/s. Trans Asian Shipping Services Pvt. Ltd.
Trans Asia Corporate Park
Kakkanad, Kochi.

Customer ref.: WO No. TASSCYP /WO/041/15-16

Sample Particulars: Water sample

Sample receiving date: October 19, 2016	Lab identification code: NW/10/081
Analysis starting date: October 19, 2016	Analysis completion date: October 25, 2016
Quantity of sample received: 2L	Description of sample by the customer: Drinking water [Location: M/s. Trans Asia Cyber Park, Infopark Phase II, Brahmapuram, Ernakulam]
Tests required: For the parameters listed below, as per Drinking water specification IS 10500: 2012	
SAMPLE TESTED AS RECEIVED	

Sl. No.	Parameters	Unit	Method	Result	Requirement (Acceptable limit)
1.	pH at 31°C	---	Cl.2 of IS 3025 (Pt 11):1983, Reaff. 2012	6.98	6.5-8.5
2.	Odour	---	IS 3025 (Pt 5):1983, Reaff. 2012	Agreeable	Agreeable
3.	Colour	Hazen Units,max	Cl. 2 of IS 3025 (Pt 4):1983, Reaff. 2012	3.0	5.0
4.	Turbidity	NTU,max	IS 3025 (Pt 10):1984, Reaff. 2012	BDL(MDL-0.5)	1.0
5.	Total Dissolved Solids	mg/l,max	IS 3025(Pt 16):1984, Reaff. 2006	78	500
6.	Total Hardness as CaCO ₃	mg/l,max	Cl. 5 of IS 3025(Pt 21):2009, Reaff. 2012	27.44	200
7.	Chloride as Cl	mg/l,max	Cl. 2 of IS 3025(Pt 32):1988, Reaff. 2009	16.39	250
8.	Sulphate as SO ₄	mg/l,max	Cl. 4 of IS 3025(Pt 24):1986, Reaff. 2009	3.27	200
9.	Alkalinity as CaCO ₃	mg/l,max	Cl. 8.1 of IS 3025(Pt 23):1986, Reaff. 2009	52.92	200
10.	Iron as Fe	mg/l,max	Cl. 6 of IS 3025 (Pt 53):2003, Reaff. 2009	BDL(MDL-0.02)	1.0
11.	Calcium as Ca	mg/l,max	Cl. 5 of IS 3025(Pt 40):1991, Reaff. 2009	7.86	75
12.	Magnesium as Mg	mg/l,max	Cl. 6 of IS 3025(Pt 46):1994, Reaff. 2009	1.91	30

Note:- BDL: Below Detection Limit

MDL : Minimum Detection Limit

Sl. No.	Parameters	Method	Result	Requirement
1.	E.coli or thermotolerant coliform bacteria	IS 1622 : 1981, Reaff.2009	Absent	Shall not be detectable in any 100ml sample


Susan Abraham
Quality Manager

Authorized Signatory

*This test report shall not be reproduced except in full, without the written permission of the laboratory. *The liability of the laboratory is to the extent of the testing charges received. *The above results are related only to the sample (s) submitted for testing and should not be used for advertisement, litigation etc. *The sample will be disposed after 15 days from the date of issue of test report.

Recognised Lab by Ministry of Environment & Forests, Govt. of India
Approved Lab by Kerala State Pollution Control Board ('A' grade)
Certified as per ISO 9001 : 2008 & OHSAS 18001:2007

