

Environmental Clearance Compliance Report
Period: October 2017 to April 2018

Project Proponent: Gera Developments Pvt. Ltd.
Project: "Imperium V"
Project Location: Plot no. 43/44, EDC Patto, Panjim, Goa

"Six monthly Environmental Clearance compliance"

Report of stipulated conditions of
Environmental Clearance

Period

October 2017 to March 2018

Project Proponent: Gera Developments Pvt. Ltd.
Project: Imperium V
Project address: Plot no.43/44, EDC Patto, Panaji, Goa
Consultant engaged: Sadekar Enviro Engineers Pvt. Ltd.
Date of submission: May, 2018

For Submission to,

**Ministry of Environmental,
Forest and Climate Change**

CC to

- a. Goa- SIEAA
- b. Goa- SEAC



Date:

To,
Director,
Ministry of Environment, Forest and Climate Change,
Regional office (Southern Zone)
4th floor, E&F wings, Kendriya Sadan,
17th Main road, 2nd Block, Koramangala,
Bangalore - 560034

Subject: Environmental compliance – Period Oct, 2017 to March 2018

Respected Sir,

We have been accorded Prior Environmental Clearance vide No. 3-181-2010/STE-DIR/07 dated 15th April, 2016 for our proposed construction of a 'Building construction project "Imperium V" at Plot no. 43/44, EDC Patto, Panaji, Goa.

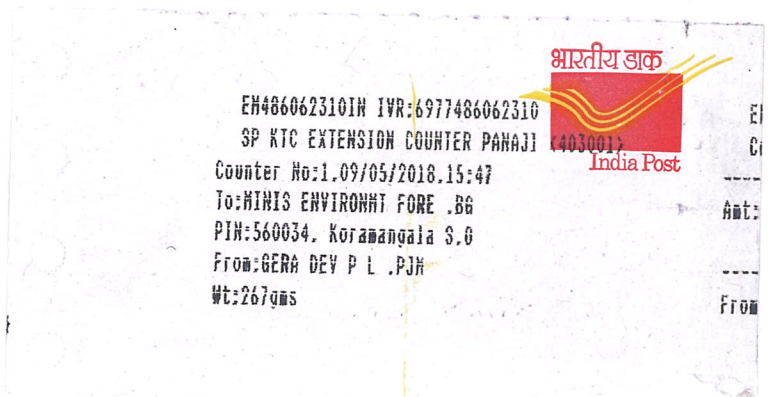
Please find herewith Environmental Compliance report for period October 2017 to March 2018

Thanking You.

Yours faithfully,

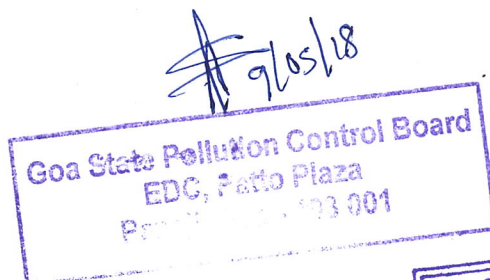
For, Gera Developments Pvt. Ltd.

Authorized Signatory



Copy to: 1. The Member Secretary, Goa- SEIAA, Dempo towers, EDC Patto Plaza, Panaji, Goa-403001

2. The Member Secretary, Goa State Pollution Control Board, Dempo tower, 1st Floor, Patto Plaza, Goa 403001



Gera Developments Pvt. Ltd.

200, Gera Plaza, Boat Club Road, Pune - 411001 | Tel.: + 91 20 2616 5580 / 81 | www.gera.in | CIN - U70102PN1988PTC049303

GeraDevelopments GeraDevelopments GeraDevelopments

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CHAPTER 1: PROJECT BRIEFS

Introduction

The proposed project is a building construction project proposed to be developed on land bearing Sy.no. 43/44 EDC Patto Plaza, Panaji, Taluka Tiswadi, North Goa, Goa

This project has been granted Environmental Clearance by the Goa-State Environment Impact Assessment Authority (Goa-SEIAA), Panaji, Goa; EC No. 3-181-2010/STE-DIR/07 dated 15th April 2016. Copy of Environmental clearance attached as Annexure 1.

Project Description

Name and address of the project authority with phone and fax number	Ms. Sunaina Gera 200, Boat Club road, Pune, 411001.
Location	Plot No. 43/44, EDC Patto Plaza, Panaji, Tiswadi Taluka, North Goa.
Building Floors	2P + Ground floor + 8 floors, 21 shops, total 325 offices (24 nos. on 1 st floor and 301 nos. on 2 nd floor to 8 th floor) and 18 food stalls.
Total Plot Area	5,213.10 sq. mt.
Total Built up area	28,532.87 sq. mt.
Total water requirement	For construction phase: 30 m ³ /day
Power Demand	For construction phase: 40 KVA (Goa State Electricity Board)

Chapter 2: Compliance of Stipulated conditions of Environmental Clearance

Compliance of Stipulated conditions of Environmental Clearance

"General Conditions" for Pre-Construction Phase

Clause No.	Conditions	Status of compliance	Compliance
i	Provision may be made for solar water heaters and solar power roof-tops facing towards South as well as south-facing walls to be effectively utilized to optimally harness solar energy. Further, considering the project-specific site, PP may necessarily explore the possibility of energy conservation by hybrid energy sources towards minimizing power requirements through national grid.	Complied	Tapping of Solar energy is planned by using solar lamps for Staircase lighting & Street lighting.
ii	PP shall explain the possibilities to adopt roof-top rain water harvesting / conservation measures to optimally utilize the water availability by constructing sumps for collection of rainwater.	Complied	Two Tanks for Storage of rain water approximately 92 KLD capacities will be provided. Further stored rain water will be used for car washing, floor washing, flushing etc.
iii	PP should prioritize the issues related to health and hygiene	Complied	Mobile sanitation facility has been provided to the construction workers.

	in complying with the matters related to waste disposal and its treatment / air and water pollution / waste-water management.		Solid waste if any is stored in on-site dustbins. The waste is handed over to the CCP collection facility.
iv	PP should clarify any issue related to public objections, if any, and should not conceal the scientific facts in light of the proposed developmental activity vis-à-vis its site-specific land use categorization / zoning.	Complied	There is no issue related to public objection with respect to project development.
v	PP should submit half-yearly compliance report(s) in hard as well as soft copy format to the Authority for the period up to project completion.	Complied	We are submitting Six monthly compliance reports every six months on regular basis
vi	This environmental clearance is issued subject to restricting of total built up area 28,532.87 sq. mt. In case of any increase would require re-appraisal by this Authority.	NA	Noted.
vii	This environmental clearance is issued subject to land-use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued, if any Judgements /	Complied	There is no change in any plans. The sanctioned plan by Town and Country Planning has been submitted through our first compliance report.

	orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by the Goa-SEAC and Goa-SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to this Authority. This environmental clearance is issued with respect to the environmental consideration and it does not mean that Goa-SEIAA approved the proposed land.		
viii	PP to ensure no treated water or any waste sewage shall be discharged into any water body.	Complied	We will discharge sewage in to sewerage line further connected to common sewage treatment plant of Patto EDC as mentioned in Environment clearance letter. The NOC for connection has been obtained and enclosed as Annexure 2.
ix	E-waste shall be disposed-off through authorized vendor as per E-waste (Management and Handling) Rules, 2011.	Complied	Noted, In case of any generation of E-waste, it will be disposed off though Authorized vendor
x	'Occupation Certificate' shall be issued to the project by Corporation of City of Panaji/NGPDA only after ensuring availability of drinking	--	The project is in construction phase.

	water and connectivity of the sewer line and / or operationalization of Sewage Treatment Plant (STP) of appropriate capacity to the project.		
xi	This environmental clearance is issued subject to obtaining NOC from Forestry & Wildlife division including clearance from the standing committee of National Board for Wildlife, if applicable & this environmental clearance does not necessarily imply that Forestry & Wildlife clearance has been granted to the project and may be considered separately on merit.	NA	The land is zoned as Commercial-C1. Hence this condition is not applicable
xii	The height, construction of built-up area of proposed development shall be in accordance with the existing FSI / FAR norms of the urban local body (i.e., <i>NGPDA</i>) and it should ensure the same along with survey number before approving layout plan and before according commencement certificate to proposed work. Further, Plan approving authority should also ensure the zoning permissibility for the proposed project as per	Complied	Noted, construction is according to local prevailing norms and approved layout plan and all necessary approvals.

	the approved development plan of the area.		
xiii	All required sanitary and hygienic measures should be in place on-site before starting construction activities and to be maintained throughout the construction phase.	Complied	Mobile sanitation facility is provided for construction workers and there is no housing of Labour at site.

Compliance of Stipulated conditions of Environmental Clearance

"General Conditions" during Construction Phase

Clause No.	Conditions	Status of compliance	Compliance
a	'Consent to Establish' shall be obtained from the Goa State Pollution Control Board (GSPCB) under Air Act and Water Act, as applicable and a copy shall be submitted to the Authority before start of any construction work at the site.	Complied	Consent to Establish obtained from GSPCB & submitted with our first compliance
b	The Project Proponent (PP) may use Ready-Mixed Concrete (RMC) to minimize air / water / land pollution and water usage during the construction phase.	Being Complied	-----
c	Permission to draw groundwater, if feasible, shall be obtained from Groundwater	NA	The source of water during construction phase is through water tankers.

	Cell of the Water Resources Department (WRD) prior to construction / operation of the project.		
d	PP shall not make any change in the Surface Layout Plan/Civil Plan submitted to the Authority without its prior permission. In case of any change(s) in the scope of the project and / or otherwise, the project would require a fresh appraisal by the Authority.	Complied	Noted
e	Project Proponent shall make suitable provisions for sewage / wastewater disposal and storm water release independently.	Complied	Mobile sanitation facility has been provided to the construction workers waste water will be disposed off through authorized vendor.
f	The Diesel-Generator sets (D.G. set) to be used during construction / after commissioning should use low-sulphur diesel and conform to Environment (<i>Protection</i>) Rules prescribed for air and noise emission standards as laid down by the GSPCB.	Complied	Analysis reports of DG stack emission and Noise reports are attached in annexure-3
g	The installation of the Sewage Treatment Plant (STP) if any should be certified by the GSPCB and a report in this regard should be submitted to the Authority before the STP is	NA	No STP in the project as the Sewage will be disposed through common Sewage Treatment Plant of EDC Patto

	commissioned. Treated effluent discharged from STP shall be recycled / reused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharged in the common sewer line. Treatment of 100% grey-water by de-centralized treatment be prioritized. Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water. The possibility of using STP treated water to be used for grey and black water. The possibility of using STP treated water to be used for flushing needs to be explored.		
h	Appropriate remedial measures need to be adopted to mitigate the foul odour emanating (<i>due to its malfunctioning / non-operationalization or otherwise</i>) from the STP, if any.	NA	--
i	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, mobile	Complied	There will be no housing of construction labors on site. However, first aid facility, safe drinking water and mobile sanitation facility has been provided on site.

	STP, safe drinking water, medical health care, crèche and first aid room, etc.		
j	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of waste water and solid waste generated during the construction phase should be ensured.	Complied	Mobile Sanitation facility is provided for construction workers. Sewage generated will be disposed off to the Common Sewage Treatment Plant through Authorized vendor. Frequent fogging activity is carried out, health awareness camps and health checkup drives are conducted for the wellbeing of construction workers.
k	The solid waste generated should be properly connected and segregated. Dry / inert solid waste should be disposed – off to the approved sites for land filling after recovering recyclable material.	Complied	The solid waste generated if any is segregated and stored in separate bins and disposed off through CCP, Panaji collection facility.
l	Disposal of muck during construction phase should not create any adverse effect on the neighboring entities / communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved site with the approval of the CCP.	Complied	There are no adverse effects from excavation of muck on neighboring communities. Utmost precautions are taken for safety and health aspects.
m	To the extent required all the top-soil excavated during construction activities, if any,	Complied	Usable top soil from the plot is stored separately for landscaping.

	should be stored separately and to be used in horticulture / landscape development within the project site subsequently.		
n	Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	--	Noted.
o	Green Belt Development shall be carried out considering CPCB guidelines including selection of local plant species and in consultation with the State Forest / Agriculture Department.	--	Noted, landscape will be developed using local plant species. The project is still in construction phase.
p	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 due to proposed developmental activity. It is advisable that ground water level and its quality should be monitored (<i>at least seasonally – pre monsoon / monsoon / post monsoon</i>) in consultation with the WRD.	Complied	The soil reports are enclosed as Annexure 3. The surface water in the nearby creek was monitored to check the leaching of heavy metals and other toxic contaminants. The analysis report is annexed as Annexure 3.
q	Construction spoils, including bituminous material and other	Being Complied	No bituminous material or hazardous materials on site.

	hazardous materials must not be allowed to contaminate nearby water courses / mangrove zone in the vicinity, if any and the dump sites for such materials must be secured so that they should not leach into ground water.		
r	Any hazardous waste generated during construction phase should be disposed off as per applicable rules with necessary approval / Authorization from the GSPCB.	Being Complied	Used oil from DG set shall be sent to approved recycler for disposal.
s	The diesel required for operating DG sets shall be stored in underground tanks and if required, NOC from concerned authority shall be taken, as applicable.	--	Noted
t	Vehicles hired for bringing construction material on the site during non-peak hours should be in good condition and should have Pollution Under Control (PUC) certificate and should conform to applicable air and noise emission standards.	Complied	Only the vehicles with PUC certificate are hired.
u	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution	Complied	The noise monitoring reports are enclosed as Annexure 3.

	load on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level construction phase, so as to conform to the stipulate standard prescribed by the CPCB/GSPCB.		
v	The approval of competent authority shall be obtained for structural safety of the buildings due to unlikely occurrence of earthquakes, adequacy of fire-fighting equipments etc. as per National Building Code (NBC) including measures from thunder / lightening.	Complied	The structural liability certificate has been submitted through our first compliance. The project has also been granted NOC from Directorate of Fire and Emergency Services, Govt. of Goa. The copies of same have been submitted through our first compliance report.
w	Fixtures for showers, toilet flushing and drinking should be preferably of low flow either by use of aerators or pressure reducing devices or sensor based control.	--	Noted we will install all low flow fixtures
x	Use of glass may be reduced up to 40% so as to reduce electricity consumption and load on air conditioning. If necessary use of high-quality double glass with special reflective coating in windows	--	Noted we will comply with the same.

	may be preferred.		
y	Roof may meet prescriptive requirement as per energy conservation building code by using appropriate thermal insulation material to fulfill requirement.	--	Noted we will comply with the same
z	Energy conservation measures like installation of LEDs lights and tubes for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use of CFLs and TFLs should be properly installed and disposed-off as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.	--	We will install all energy saving fittings
aa.	D.G. sets proposed as source of backup power for elevators, common area illumination during operation phase should be with acoustic enclosure and with appropriate stack-height conforming to noise standards respectively as prescribed in Environment (<i>Protection</i>) Act, 1986.	--	Yes DG set proposed as back up source only. We will provide acoustic enclosure and with appropriate stack-height conforming to noise standards respectively as prescribed in Environment (<i>Protection</i>) Act, 1986.
bb.	Noise should be controlled to ensure that it does not exceed	Complied	Yes report enclosed

	the prescribed standards. 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.		
cc.	Traffic congestion near entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public road / place be utilized for parking.	Complied	During construction phase most of the traffic is due to movement of construction vehicles and it is internalized.
dd.	Opaque wall should meet prescriptive requirement as per energy conservation board which is proposed to mandatory for all air conditioned spaces while it is aspiration for non-air conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	--	Noted and accepted.
ee.	The building should have adequate buffer distance between two separate plots to allow movement of fresh air and passage of natural light, air and ventilation. Regular supervision and other measures for monitoring the same should be in place during	--	Noted, distance is maintained according to municipal norms

	the construction phase, so as to avoid disturbance to the surroundings structures. If any.		
ff.	Under the provisions of Environment (<i>Protection</i>) Act 1986, legal action shall be initiated against the PP if it was found that construction of the project has been started without obtaining the EC.	--	We have started construction of project after getting environmental clearance
gg.	Six monthly compliance reports should be submitted to the MOEF & CC, Government of India with copy to the Goa-SEIAA and GSPCB.	--	Noted. We assure to submit six monthly compliance reports should be submitted to the MOEF & CC, Government of India with copy to the Goa-SEIAA and GSPCB

Compliance of Stipulated conditions of Environmental Clearance

"General Conditions" during Post-Construction Phase

Clause No.	Conditions	Status of compliance	Compliance
1.	PP shall ensure completion of MSW disposal facility, green belt development prior to occupation of the buildings. The PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging into sewer line. No physical occupation of allotment will be given unless	---	Noted. The project is still in construction phase

	all above said environmental infra structure is installed and made functional including water requirement prior certification from appropriate authority shall be obtained.		
2.	Wet garbage should be treated by organic waste convertor and treated waste (manure) should be utilize in the existing premises for gardening. In any case, no wet garbage will be disposed outside the premises. CCP/Local authorities should ensure this compliance strictly	---	Noted. The project is still in construction phase
3.	CCP/local authorities should ensure that no occupation certificate is issued prior to operation of STP/MSW disposal etc. with due consent/authorization from the GSPCB	---	Noted. The project is still in construction phase
4.	A complete set of all the documents submitted to Goa-SEIAA should be forwarded local authority, GSPCB and planning authority.	NA	No documents have been submitted from proponent to SEIAA directly.
5.	In the case of any change(s) in the scope of the project, the project would comply a fresh appraisal by the Goa-SEIAA.	---	Noted.
6.	Separate funds shall be allocated for implementation	---	Noted. The project is still in pre-construction phase

	of environmental protection measures/EMP along with item wise break-ups. The funds earmarked for the environment protection measures shall not be diverted for other purpose.		
7.	A copy of the clearance letter shall be sent to the CCP/concerned local body, by the PP if any, from whom suggestions/representation, if any, were received while processing the proposal. The PP shall also ensure that EC letter shall also be put on the company's website	Complied	The copy of the EC letter has been shared with Corporation of City of Panji (CCP). The acknowledged copy of letter is enclosed as Annexure 6.
8.	The PP shall upload the status of the compliance of the stipulated EC conditions, including results of monitoring data on their website and shall update the same periodically. It shall simultaneously be sent to the regional office of MoEF&CC, the respective Zonal office, CPCB and GSPCB. The criteria pollutant levels namely PM10/PM2.5m, SO ₂ and NO _x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and	---	Noted. The project is still in pre-construction phase

	displayed at a convenient location near the main gate of the company in the public domain.		
9.	The environmental statement for each financial year ending 31 st March in Form V is mandated to be submitted by PP to the GSPCB as prescribed under the Environment (Protection) Rules, 1986 (as amended). Subsequently, it shall also be put on company's website along with the status of the compliance of the EC conditions and shall also be sent to the respective regional office of the MoEF.	---	Noted. The project is still in construction phase
10.	This EC is issued without prejudice to the action initiated in the Environment (Protection) act or any court case pending in the court of law. Such as , it does not mean that PP has not violated any environment laws in the past and whatever decision under said Act by Hon'ble Court will be binding on the PP . Hence this Environmental clearance does not give immunity to the PP in the case complaints is filed against ,if any or acyion	---	Noted

	initiated under the said Act.		
11.	In case of submission of false document and non compliances to any of the stipulated conditions , this authority will revoke or suspend the EC without any intimation and initiate appropriate legal action under the environment (Protection)act ,1986 (as amended till the date)	---	Noted
12.	The Goa-SEIAA reserves their right to add any stringent condition or to revoke the environmental clearance, if conditions stipulated above are not implemented to the satisfaction of the authority or for that matter, for any other administrative reason.	---	Noted
13.	Project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in Konkani or Marathi language within Seven Days of receipt of this communication, informing that the proposed project has been accorded prior Environmental clearance (EC) and the copies of the clearance	Complied	The copy of advertisement is enclosed as Annexure 4.

	letter will be available on the PP website.		
14.	Any appeal against this prior Environmental Clearance shall lie with National Green Tribunal (NGT), if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 (Central Act 19 of 2010)	---	Noted

GOA STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

EIA-Goa State Secretariat,

3rd Floor, Dempo Towers, Patto, Panaji, Goa - 403 001

Phone nos.: 2438303

Fax. no.: 2438528

e-mail: goaseac@gmail.com

No: 3 - 181 - 2010/STE-DIR/07

Date: 15 April 2016

To,

M/s Parsavnath Developers,

PoA through M/s Gera Developments Pvt. Limited,

200, Boat club road,

Pune - 411001

Sub: - Environmental Clearance (EC) for proposed construction project of commercial building - 'Imperium V' in the property bearing plot no. 43/ 44 at EDC Patto Plaza Panaji, Tiswadi Taluka, North Goa.

Sir,

This has reference to your application dated 26th May 2015 and subsequent re-submission dated 25th June 2015 seeking prior environmental clearance (EC) for the proposed project of commercial building - 'Imperium V' in the property bearing plot no. 43/ 44 at EDC Patto Plaza, Panaji, Tiswadi Taluka, North Goa as mandated under the provisions of the Environment Impact Assessment (EIA) Notification, 2006 (as amended till date). Accordingly, the above proposal has been screened and appraised under Category 8 (a) - Building and construction projects (as per the Schedule annexed to the said notification) and as category 'B2' project on the basis of the documents enclosed with application. viz. Form-1 and Form-1A. Subsequently, Goa State Expert Appraisal Committee (Goa-SEAC - hereinafter referred as 'Committee') conducted the site-inspection on 14th July 2015 and was followed by project-specific presentation by the NABET/QCI-accredited environmental consultant (M/s Sadekar Enviro Engineers Pvt. Ltd, Panaji, Goa) on behalf of the Project Proponent (PP) during its 49th meeting held on 15th September 2015. However, based on the project specific presentation, the Committee opined that technical matters w.r.t. (a) odour-control measures, (b) energy conservation calculations, (c) water balance and effective provision for rainwater harvesting initiatives, (d) site-specific soil characteristics and hydro-geological status, (e) disaster mitigation measures vis-à-vis fire-fighting provisions, (f) landscape management and (g) availability of time-

series data pertaining to land use / land cover and CRZ applicability, etc., were not made clear to enable environmental appraisal of the project. As such, the Goa-SEAC sought additional compliance and directed the Project Proponent (PP) to make the observation-specific presentation again. Accordingly, the Goa-SEAC ascertained / verified the compliance during its 51st Goa-SEAC meeting held on 15th October 2015. Subsequently, based on post-presentation discussions and verification of documents submitted by PP during 53rd Goa-SEAC meeting held on 5th November 2015, the aforementioned proposal was recommended to Goa State Environment Impact Assessment Authority (Goa-SEIAA - hereinafter referred as "Authority") for grant of environmental clearance (EC) under the EIA Notification 2006 as amended.

Further, the Committee's recommendations vis-à-vis submission of 'Ecology and Biodiversity report' were deliberated and verified during 28th Authority meeting held on 2nd February 2016 respectively and it was decided to accord prior environmental clearance (EC) as mandated in the EIA Notification, 2006, (as amended).

Accordingly, it has been noted that the aforementioned proposal is seeking prior environmental clearance (EC) as per the provisions of the EIA Notification, 2006; for proposed commercial building - **Imperium V** in plot no. 43/ 44 at EDC Patto Plaza, Panaji comprising of 2P + Ground floor + 8 floors, 21 shops, total 325 offices (24 nos. on 1st floor and 301 nos. on 2nd floor to 8th floor) and with 18 food stalls.

Project details and salient features of the proposed developmental activity, as submitted by the PP, is as under -

- | | | |
|---------------------------------------|---|---|
| 1. Total Plot Area | - | 5,213.10 sq.mts. |
| 2. Total Built-up area (BUA) proposed | - | 28,532.87 sq.mts. |
| 3. Green belt | - | 230 sq.mts. |
| 4. Number of floors | - | 2P+ Ground floor+8 floors |
| 5. Height of building | - | 27.68 mts. |
| 6. Parking required | - | 260 nos. |
| 7. Parking proposed | - | 324 nos for 4 wheeler & 215 m ² for 2 wheeler. |

8. Water Requirement -

- a) During Construction phase: - 30 m³ / day (will depend on the number of people working and water required for construction activities).
- b) During Operation phase: 75 m³ / day
- c) Fire fighting: 120 m³

9. Power Requirements - Source : Goa State Electricity Board

- (a) Construction Phase: 40KVA, Back-up provisions - D.G. set (40 KVA X - 1 no.)
- (b) Operation Phase: 1840KVA, Back-up provisions - D.G. set (750 KVA X - 1 no.)

10. Waste Management: Solid waste is proposed to be segregated as bio-degradable and non-biodegradable waste. Non-biodegradable waste will be disposed-off through collection facility of the Corporation of City of Panaji (CCP) and Bio-degradable waste is proposed to be treated at in-house organic waste convertor. While, liquid effluent (i.e. Sewage) is proposed to be connected to existing sewage drains for treatment at common sewage treatment plant at EDC, Patto, Panaji.

In view of the above, the State EIA Authority has decided to accord environmental clearance (EC) to the said project under the provision of EIA Notification, 2006; (as amended) subject to compliance to the following "General Conditions" for pre-construction phase:-

- i. Provision may be made for solar water heaters and solar power roof-tops facing towards South as well as south-facing walls to be effectively utilized to optimally harness solar energy. Further, considering the project-specific site, PP may necessarily explore the possibility of energy conservation by hybrid energy sources towards minimizing power requirements through national grid.
- ii. PP shall explain the possibilities to adopt roof-top rainwater harvesting / conservation measures to optimally utilize the water availability by constructing sumps for collection of rainwater.
- iii. PP should prioritize the issues related to health and hygiene in complying with the matters related to waste disposal and its treatment / air and water pollution / waste-water management.

- iv. PP should clarify any issue related to public objections, if any, and should not conceal the scientific facts in light of the proposed developmental activity vis-à-vis its site-specific landuse categorization / zoning.
- v. PP should submit half-yearly compliance report(s) in hard as well as soft copy format to the Authority for the period upto project completion.
- vi. This environmental clearance is issued subject to restricting of total built up area 28,532.87 sq.mt. In case of any increase would require re-appraisal by this Authority.
- vii. This environmental clearance is issued subject to land-use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued, if any. Judgements / orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by the Goa-SEAC and Goa-SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to this Authority. This environmental clearance is issued with respect to the environmental consideration and it does not mean that Goa-SEIAA approved the proposed land.
- viii. PP to ensure no treated water or any waste sewage shall be discharged into any water body.
- ix. E-waste shall be disposed-off through authorised vendor as per E-waste (*Management and Handling*) Rules, 2011.
- x. 'Occupation Certificate' shall be issued to the project by the Corporation of city of Panaji/ NGPDA only after ensuring availability of drinking water and connectivity of the sewer line and/ or operationalization of Sewage Treatment Plant (STP) of appropriate capacity to the project.
- xi. This environmental clearance is issued subject to obtaining NOC from Forestry & Wildlife division including clearance from the standing committee of the National Board for Wildlife, if applicable & this environmental clearance does not necessarily imply that Forestry & Wildlife clearance has been granted to the project and may be considered separately on merit.

- xii. The height, construction of built-up area of proposed development shall be in accordance with the existing FSI / FAR norms of the urban local body (i.e. NGPDA) and it should ensure the same along with survey number before approving layout plan and before according commencement certificate to proposed work. Further, Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
- xiii. All required sanitary and hygienic measures should be in place on-site before starting construction activities and to be maintained throughout the construction phase.

Further, the project proponent is directed to comply with the following "General Conditions" during construction phase:-

- a. 'Consent to Establish' shall be obtained from the Goa State Pollution Control Board (GSPCB) under Air Act and Water Act, as applicable and a copy shall be submitted to the Authority before start of any construction work at the site.
- b. The Project Proponent (PP) may use Ready-Mixed Concrete (RMC) to minimize air / water / land pollution and water usage during the construction phase.
- c. Permission to draw groundwater, if feasible, shall be obtained from the Groundwater Cell of the Water Resources Department (WRD) prior to construction / operation of the project.
- d. PP shall not make any change in the Surface Layout Plan / Civil Plan submitted to the Authority without its prior permission. In case of any change(s) in the scope of the project and / or otherwise, the project would require a fresh appraisal by the Authority.
- e. Project proponent shall make suitable provisions for sewage / wastewater disposal and storm water release independently.
- f. The diesel-generator sets (D.G. set) to be used during construction / after commissioning should use low-sulphur diesel and conform to Environment (Protection) Rules prescribed for air and noise emission standards as laid down by the GSPCB.
- g. The installation of the Sewage Treatment Plant (STP) if any should be certified by the GSPCB and a report in this regard should be submitted to the Authority before the STP is commissioned. Treated effluent discharged from STP shall be recycled / reused to the maximum extent possible. Discharge of this unused treated effluent, if any should be discharged in the common sewer line. Treatment

of 100% grey-water by de-centralised treatment be prioritized. Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water. The possibility of using STP treated water to be used for flushing needs to be explored.

- h. Appropriate remedial measures need to be adopted to mitigate the foul odour emanating *(due to its malfunctioning / non-operationalization or otherwise)* from the STP, if any.
- i. 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, mobile STP, safe drinking water, medical health care, crèche and first aid room, etc.
- j. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets, the safe disposal of waste water and solid waste generated during the construction phase should be ensured.
- k. The solid waste generated should be properly connected and segregated. Dry / inert solid waste should be disposed-off to the approved sites for land filling after recovering recyclable material.
- l. Disposal of muck during construction phase should not create any adverse effect on the neighbouring entities / communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved site with the approval of the CCP.
- m. To the extent required all the top-soil excavated during construction activities, if any, should be stored separately and to be used in horticulture / landscape development within the project site subsequently.
- n. Additional soil for levelling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- o. Green belt development shall be carried out considering CPCB guidelines including selection of local plant species and in consultation with the State Forest / Agriculture Department.
- p. 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 due to proposed developmental activity. It is advisable that ground water level and its quality should be monitored *(at least seasonally – pre-monsoon / monsoon / post-monsoon)* in consultation with the WRD.

- q. Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate nearby water courses / mangrove zone in the vicinity, if any and the dump sites for such materials must be secured so that they should not leach into ground water.
- r. Any hazardous waste generated during construction phase should be disposed off as per applicable rules with necessary approval / Authorization from the GSPCB.
- s. The diesel required for operating DG sets shall be stored in underground tanks and if required, NOC from concerned authority shall be taken, as applicable.
- t. Vehicles hired for bringing construction material on the site during non-peak hours should be in good condition and should have pollution under control (PUC) certificate and should conform to applicable air and noise emission standards.
- u. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level construction phase, so as to conform to the stipulated standard prescribed by the CPCB/ GSPCB.
- v. The approval of competent authority shall be obtained for structural safety of the buildings due to unlikely occurrence of earthquakes, adequacy of fire-fighting equipments, etc. as per National Building Code (NBC) including measures from thunder / lightning.
- w. Fixtures for showers, toilet flushing and drinking should be preferably of low flow either by use of aerators or pressure reducing devices or sensor based control.
- x. Use of glass may be reduced upto 40% so as to reduce electricity consumption and load on air conditioning. If necessary use of high-quality double glass with special reflective coating in windows may be preferred.
- y. Roof may meet prescriptive requirement as per energy conservation building code by using appropriate thermal insulation material to fulfil requirement.
- z. Energy conservation measures like installation of LEDs lights and tubes for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use of CFLs and TFLs should be properly installed and disposed-off as per the prevailing guidelines / rules of the regulatory authority to avoid mercury contamination.
- aa. D.G. sets proposed as source of backup power for elevators, common area illumination during operation phase should be with acoustic enclosure and with

appropriate stack-height conforming to noise standards respectively as prescribed in Environment (*Protection*) Act, 1986.

- bb. 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 building shall be restricted to the permissible levels to comply with the prevalent regulations.
- cc. Traffic congestions near entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalised and no public road / place be utilised for parking.
- dd. opaque wall should meet prescriptive requirement as per energy conservation board which is proposed to mandatory for all air conditioned spaces while it is aspiration for non- air conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.
- ee. The building should have adequate buffer distance between the two separate plots to allow movement of fresh air and passage of natural light, air and ventilation. Regular supervision and other measures for monitoring the same should be in place during the construction phase, so as to avoid disturbance to the surroundings structures. If any.
- ff. Under the provisions of Environment (*Protection*) Act 1986, legal action shall be initiated against the PP if it was found that construction of the project has been started without obtaining the EC.
- gg. Six monthly compliance reports should be submitted to the MOEF & CC, Government of India with copy to the Goa-SEIAA and GSPCB.

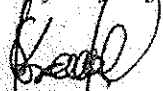
Further, the project proponent is advised to comply with the following "General Conditions" during post-construction phase:-

1. PP shall ensure completion of MSW disposal facility, green belt development prior to occupation of the buildings. The PP shall explore possibility of utilising excess treated water in the adjacent area for gardening before discharging into sewer line / safe disposal. No physical occupation of allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement. Accordingly, prior certification from appropriate authority shall be obtained.
2. Wet garbage should be treated by organic waste convertor and the product-output (i.e. *manure*) should be utilised in the existing premises for gardening. In any case, no wet garbage shall be disposed outside the premises. CCP / local authorities should ensure this compliance strictly.

3. CCP / local authorities should ensure that no occupation certification is issued prior to operation of STP/MSW disposal etc. with due consent / authorization from the GSPCB.
4. A complete set of all the documents (*i.e. proposal along with relevant enclosures - plans / maps, etc.,*) submitted to Goa-SEIAA should be forwarded to the CCP / local authority and GSPCB.
5. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the Goa-SEIAA.
6. Separate funds shall be allocated for implementation of environmental protection measures / EMP along with item wise breaks-up. These costs shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year wise expenditure should reported to the GSPCB and this Authority.
7. A copy of the clearance letter shall be sent to the CCP / concerned local body ,by the PP if any, from whom suggestions /representation, if any, were received while processing the proposal. The PP shall also ensure that the EC letter shall also be put on the company's website.
8. The PP shall upload the status of the compliance of the stipulated EC conditions, including results of monitoring data on their website and shall update the same periodically. It shall simultaneously be sent to the regional office of MoEF, the respective Zonal office of the CPCB and the GSPCB. The criteria pollutant levels namely PM₁₀ / PM_{2.5}, SO₂ and NO_x (*ambient levels as well as stack emissions*) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
9. The environmental statement for each financial year ending 31st March in Form-V is mandated to be submitted by the PP to the GSPCB as prescribed under the Environment (*Protection*) Rules 1986 (as amended). Subsequently, it shall also be put on company's website along with the status of the compliance of the EC conditions and shall also be sent to the respective regional office of the MoEF.
10. The EC is being issued without prejudice to the action initiated in the Environment (*Protection*) Act or any court case pending in the court of law and it does not mean that PP has not violated any environmental laws in the past and whatever decision under said Act or of the Hon'ble Court will be binding on the PP. Hence, this environmental clearance does not give immunity to the PP in the case filed against him, if any or action initiated under the said Act.

11. In case of submission of false document and non-compliance of stipulated conditions, this Authority will revoke or suspend the EC without any intimation and initiate appropriate legal action under Environment (Protection) Act, 1986.
12. The Goa-SEIAA and Goa-SEAC reserves their right to add any other stringent condition or to revoke the environmental clearance, if conditions stipulated are not implemented to the satisfaction of the Authority or for that matter, for any other administrative reason.
13. PP shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Konkani or Marathi language within seven days of receipt of this communication, informing that the proposed project has been accorded prior Environmental Clearance (EC) and the copies of the clearance letter will be uploaded on the PP's website.
14. **Validity of the Environmental Clearance (EC) accorded shall be for a period of 07 (seven) years from the date of its issue.**
15. Any appeal against this prior environmental clearance shall lie with the National Green Tribunal (NGT), if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 (*Central Act 19 of 2010*).

Yours faithfully,



(Srinet Kothwale)

Director/ex-officio Jt. Secy. Environment
&
Member Secretary, Goa-SEIAA

Copy for favour of information to:

1. *Dr. Pramod V. Pathak*, Chairman, Goa-SEIAA, Satyam, Pundalik Nagar, Behind Sanjay School, Porvorim - 403521.
2. *Prof. Antonio Jaime C. Afonso*, Chairman, Goa-SEAC, Bairro Foro, St. Istevam, Tiswadi - 403 106.
3. P. A. to Principal Secretary (Environment), Secretariat, Porvorim, Goa.

4. P. S. to Additional Secretary, Ministry of Environment & Forests (MoEF), & Climate Change (CC), Paryavaran Bhavan, C.G.O. Complex, Lodhi Road, New Delhi - 110 510.
5. The Member Secretary, Goa State Pollution Control Board (GSPCB), 1st Floor, Dempo Towers, Patto, Panaji, Goa - 403 001.
6. The Chief Town Planner, Town & Country Planning, Panaji, Goa.
7. The Commissioner, Corporation of City of Panaji (CCP), Panaji, Goa.
8. The Member Secretary, North Goa Planning & Development Authority, Panaji, Goa.

A handwritten signature in black ink, appearing to be 'J. K. P.' or similar, with a long horizontal stroke extending to the right.

No.F. ⁶⁵ 15-16/PWD/WDIII/SDII/ADM/690

Government of Goa,
Office of the Assistant Engineer,
S.D.II, W.D.III, PHE,
Public Works Department
Tonca, Caranzalem Goa.

Dated :- 24/07/2015.

To,
General Manager(Liaison),
Gera Developments Pvt., Ltd.,
G-18, Gera's Imperium,
Ground Floor, Patto, Panjim.

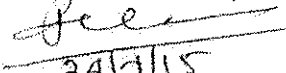
Sub :- Revised NOC for Plot Bearing Nos. 41 and 42
(Bldg. B) in EDC Complex, Patto Plaza, Panjim

Sir,

With reference to the above mentioned subject it is to inform you that there exist a PWD sewage network near to bearing Plot No. 41, 42, 43 & 44 EDC Complex Patto Plaza, Panaji – Goa. However the owner of the proposed premises will have to incur the expenditure required for enhancement of network capacity on account of the sewage laid to his premises if required. Subject to this condition, this office have no objection to issue the feasibility for the sewage connection to the said proposed premises. The earlier NOC was issued in the name of M/s. Parsvnath Developers Limited.

However In view of the purchase of the plots by you a fresh NOC is hereby issued as per your request .

Yours Faithfully,


24/7/15
Assistant Engineer – II

Copy To :- 1. To The Executive Engineer, W.D.III, for information please.

F. 65

STACK EMISSION REPORT

Report No.	SEE/AR/04/18/0570	Report Date	27/04/2018
Name of Client	M/s. Gera Imperium (V) Grand		
Address of Client	Plot No. 43 & 44, EDC Patto Plaza, Panaji-Goa.		
Sample Collected By	SEEPL Representative	Environmental condition of lab	
Date of Sampling	26/04/2018	Temperature (°C)*	30
		Humidity (%)*	57
Analysis Started On	26/04/2018	Analysis Completed On	27/04/2018

STACK DETAILS

Attached To	D.G. 750 KVA (Sr. No. 1901003789)
Shape	Round
Diameter	0.26 Mtr
Height From Ground Level	9.70 Mtr
Material of Construction	M.S.
Temperature	245 °C
Velocity of Flue Gases	7.85 m/sec
Volume Flue Gas Flow Rate	1500.60 m ³ /hour
Volume Flue Gas Flow Rate	861.60 Nm ³ /hour
Type of Fuel	H.S.D.
Fuel Consumption	75.00 lit/hr
Load	600.00 KVA

POLLUTIONAL PARAMETERS

Sr. No.	Parameters	Result	Limits**	Unit	Method
01.	SO ₂	0.16	5.4	Kg/hour	IS 11255(Part II)
02.	NO _x	0.22	9.2	g/kw-hr	IS 11255(Part VII)
03.	Carbon Monoxide*	0.09	3.5	g/kw-hr	By Flue Gas Analyzer
04.	Hydrocarbons*	0.05	1.3	g/kw-hr	By Flue Gas Analyzer
05.	Particulate Matter	0.11	0.3	g/kw-hr	IS 11255 (part I)

****Consent No.: 5/5908/16-PCB/CI-1626**

Note : Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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: "The tests marked with an * are not accredited by NABL".

Analysed by
Susmita Kapdoskar

Checked By
Vishal Sannakki

Authorized Signatory
Vinayak Kudkar



Sadekar Enviro Engineers Pvt. Ltd.

B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Betim Road, Bardez, Porvorim, Panaji-Goa-403 101.
Goa State, India. ☎ : (0832) 2411322 / 2411323 • E-mail : starlabgoa@rediffmail.com

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Lab. Accredited by **NABL**, ★ Certified by ISO 9001:2008 & BS OHSAS 18001 : 2007

ANALYSIS REPORT FOR WATER SAMPLE

Report No.	SEE/03/18/5228	Report Date	05/04/18
Name of Client	M/s. Imperium V		
Address of Client	Plot No. 43 & 44, EDC Patto Plaza, Panaji-Goa.		
Order / Reference	As per dated 31/03/18	Environmental Condition of Lab	Temp °C 30 Humidity % 57
Sampling point	Office		
Sample details	Drinking water	Date of collection	31/03/18
Sample Collected by	SEEPL Representative	Sample Received On	31/03/18
Analysis Started On	31/03/18	Analysis Completed On	05/04/18
Sample Container	Glass bottle+ PVC Can	Sample Quantity	1000 ml + 2000ml

Chemical Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	pH	6.93	-	6.5 - 8.5	APHA(23 rd Edition) 4500 H+-B
2.	Turbidity	0.58	NTU	1.00	APHA(23 rd Edition) 2130 B
3.	Colour	<1.00	Hazen unit	5.00	APHA(23 rd Edition) 2120 B
4.	Odour	Agreeable	-	Agreeable	APHA(23 rd Edition) 2150 B
5.	Total Alkalinity	44.00	mg/lit	200.00	APHA(23 rd Edition) 2320 B
6.	Total Dissolved Solids	149.00	mg/lit	500.00	APHA(23 rd Edition) 2540 C
7.	Chlorides as Cl ⁻	17.01	mg/lit	250.00	APHA(23 rd Edition) 4500 Cl- B
8.	Sulphate as SO ₄ ⁻	15.40	mg/lit	200.00	APHA(23 rd Edition) 4500 SO ₄ E
9.	Total Hardness as CaCO ₃	70.00	mg/lit	200.00	APHA(23 rd Edition) 2340 C
10.	Nitrate as NO ₃	<1.00	mg/lit	45.00	APHA(23 rd Edition) 4500 NO ₃ B
11.	Fluoride as F ⁻	<0.10	mg/lit	1.00	APHA(23 rd Edition) 4500 F D
12.	Residual free chlorine	Nil	mg/lit	0.20	APHA(23 rd Edition) 4500 Cl- C

Uchita Dongare
Analyzed by



Vishal Sannakki
Checked by

Vinayak Kudkar
Authorized Signatory

Report No.	SEE/03/18/5228	Report Date	05/04/18
Order / Reference	As per dated 31/03/18	Sample Received On	31/03/18
Analysis Started On	31/03/18	Analysis Completed On	05/04/18
Name of Client	M/s. Imperium V		

Metal Analysis

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
13.	Calcium as Ca	16.82	mg/lit	75.00	APHA(23 rd Edition) 3500 Ca -B
14.	Iron as Fe	<0.001	mg/lit	0.30	APHA(23 rd Edition) 3120-B
15.	Magnesium as Mg	6.82	mg/lit	30.00	APHA(23 rd Edition) 3500 Mg -B

Microbiological Parameters

16.	Total coliforms at 37°C for 48 hrs.	Absent	MPN Index/100ml	Absent	APHA(23 rd Edition) 9221-B
17.	E.coli at 44.5°C for 24hrs.	Absent	MPN Index/100ml	Absent	APHA(23 rd Edition) 9221-G

Note: Test results related only to the sample tested.

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Uchita Dongare
Analyzed by

Vishal Sannakki
Checked by

Vinayak Kudkar
Authorized Signatory

AMBIENT AIR QUALITY MONITORING REPORT

Report No.	SEE/AR/12/17/6258	Report Date	20/12/2017
Name of Client	M/s. Gera Imperium (V) Grand		
Address of Client	Plot No. 43 & 44, EDC Patto Plaza, Panaji-Goa.		
Sample Collected By	SEEPL Representative	Environmental condition of lab	
Date of Sampling	18/12/2017	Temperature(°C)*	30.0
		Humidity (%)*	58
Analysis Started On	20/12/2017	Analysis Completed On	20/12/2017

AMBIENT AIR STATION LOCATION

Location of ambient air station	Near Main Gate (North)		
Ambient Temperature (°C)*	29.8	Humidity (%)*	58
Wind Speed (km/hr)*	0.8	Wind Direction (deg)*	189
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) & G.P.S.(APM – 411)		

POLLUTION PARAMETERS

Sr. No.	Parameters	Result	Unit	Limits (NAAQS-2009)	Method
01.	PM ₁₀	67.23	µg/m ³	100.00	IS 5182(Part 23)
02.	PM _{2.5}	25.19	µg/m ³	60.00	Lab SOP No.: SEE/LD/SOP-AA-04
03.	SO ₂	8.64	µg/m ³	80 .00	IS 5182 (Part 02)
04.	NO _x	10.22	µg/m ³	80 .00	IS 5182 (Part 06)

Note : Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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Analysed by
Ankita Chari


Checked By
Vishal Sannakki




Authorized Signatory
Vinayak Kudkar

AMBIENT AIR QUALITY MONITORING REPORT

Report No.	SEE/AR/03/18/7886	Report Date	24/03/2018
Name of Client	M/s. Gera Imperium (V) Grand		
Address of Client	Plot No. 43 & 44, EDC Patto Plaza, Panaji-Goa.		
Sample Collected By	SEEPL Representative	Environmental condition of lab	
Date of Sampling	22/03/2018	Temperature (°C)*	30.9
		Humidity (%)*	61
Analysis Started On	23/03/2018	Analysis Completed On	24/03/2018

AMBIENT AIR STATION LOCATION

Location of ambient air station	Near Main Gate		
Ambient Temperature (°C)*	30.4	Humidity (%)*	58
Wind Speed (km/hr)*	3.5	Wind Direction (deg)*	157
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) & G.P.S.(APM – 411)		

POLLUTION PARAMETERS

Sr. No.	Parameters	Result	Unit	Limits (NAAQS-2009)	Method
01.	PM ₁₀	70.15	µg/m ³	100.00	IS 5182(Part 23)
02.	PM _{2.5}	28.03	µg/m ³	60.00	Lab SOP No.: SEE/LD/SOP-AA-04
03.	SO ₂	10.46	µg/m ³	80 .00	IS 5182 (Part 02)
04.	NO _x	14.05	µg/m ³	80 .00	IS 5182 (Part 06)

Note : Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

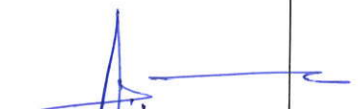
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Analysed by
Susmita Kapdoskar


Checked By
Vishal Sannakki


Authorized Signatory
Vinayak Kudkar

NOISE LEVEL MONITORING REPORT

Report No.	SEE/AR/03/18/7887	Report Date	24/03/2018
Name of Client	M/s. Gera Imperium (V) Grand		
Address of Client	Plot No. 43 & 44, EDC Patto Plaza, Panaji-Goa.		
Date of Sampling	22/03/2018		
Sample Collected By	SEEPL Representative		

Sr. No.	Report No.	Sampling Location (From 1.0 meter off)	Noise in dB (A)
			Day Time
01.	SEE/AR/03/18/7887	Near main gate	61.7

➤ Noise Limits as per Schedule III of "The Environment (Protection) Rules, 1986" are as follows:

Area Code	Category of Area	Limits in dB(A) Leq	
		Day Time	Night Time
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Silence Zone	50	40

- Day time is reckoned in between 6.00am to 10.00pm and night time is reckoned in between 10.00pm to 6.00am.
- *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. A "decibel" is a unit in which noise is measured.
- "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
- Leq: It is the energy mean of the noise level over a specified period.

Note : Test results related only to the sample tested.

: Test results relate only to the condition prevailing at the time of sampling

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Monitored by
Anand Chavan


Checked By
Vishal Sannakki


Authorized Signatory
Vinayak Kudkar



Sadekar Enviro Engineers Pvt. Ltd.

B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Betim Road, Bardez, Porvorim, Panaji-Goa-403 101.
Goa State, India. ☎ : (0832) 2411322 / 2411323 • E-mail : starlabgoa@rediffmail.com

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Lab. Accredited by **NABL**, ★ Certified by ISO 9001:2008 & BS OHSAS 18001 : 2007

ANALYSIS REPORT FOR SOIL SAMPLE

Report No.	SEE/03/18/5229	Report Date	04/04/18
Name of Client	M/s. Imperium V		
Address of Client	Plot No. 43 & 44, EDC Patto Plaza, Panaji-Goa.		
Order / Reference	As per dated 31/03/18	Environmental Condition of Lab	Temp °C 30 Humidity % 57
Sample details	Soil Sample	Date of collection	31/03/18
Sample Collected by	SEEPL Representative	Sample Received On	31/03/18
Analysis Started On	31/03/18	Analysis Completed On	04/04/18
Sample Container	PVC Bag	Sample Quantity	1 Kg

Chemical Parameters

Sr.No	Parameters	Results	Units	Method
1.	pH	6.19	-	IS:2720 (PART 26)- 1987
2.	Residual Chlorine	Nil	mg/kg	Leachate Preparation - Soil Analysis by Food and Agriculture Organization and rest as per APHA 4500 Cl - B 23 rd Edition
3.	Chloride as Cl	141.14	mg/kg	Lab SOP no. SEE/LD/SOP-SA/11 issue No 03 Issue date 27/12/2017.
4.	Sulphate as SO ₄	347.00	mg/kg	Lab SOP no. SEE/LD/SOP-SA/16 issue No 03 Issue date 27/12/2017.
5.	Phosphate as PO ₄ ⁻	30.19	mg/kg	Lab SOP no. SEE/LD/SOP-SA/05 issue No 03 Issue date 27/12/2017.
6.	Nitrite as NO ₂	6.78	mg/kg	Leachate Preparation - Soil Analysis by Food and Agriculture Organization and rest as per APHA 4500- NO ₂ -B 23 rd Edition
7.	Nitrite as NO ₃	19.20	mg/kg	Leachate Preparation - Soil Analysis by Food and Agriculture Organization and rest as per APHA 4500- NO ₃ -B 23 rd Edition


Anandeeep Sawant
Analyzed by




Vishal Sannakki
Checked by


Vinayak Kudkar
Authorized Signatory

Report No	SEE/03/18/5229	Report Date	04/04/18
Order / Reference	As per dated 31/03/18	Sample Received On	31/03/18
Analysis Started On	31/03/18	Analysis Completed On	04/04/18
Name of Client	M/s. Imperium V		

Sr. No.	Parameter	Result	Unit	Method
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Metal Analysis

8.	Arsenic as As	<1.00	mg/kg	USEPA Method 7000B Illed Edition Rev.1996.
9.	Cadmium as Cd	<1.00	mg/kg	USEPA Method 7000B Illed Edition Rev.1996.
10.	Chromium as Cr	22.00	mg/kg	USEPA Method 7000B Illed Edition Rev.1996.
11.	Copper as Cu	28.00	mg/kg	USEPA Method 7000B Illed Edition Rev.1996.
12.	Iron as Fe	4940.00	mg/kg	USEPA Method 7000B Illed Edition Rev.1996.
13.	Lead as Pb	<1.00	mg/kg	USEPA Method 7000B Illed Edition Rev.1996.
14.	Manganese as Mn	148.00	mg/kg	USEPA Method 7000B Illed Edition Rev.1996.
15.	Magnesium as Mg	1960.00	mg/kg	USEPA Method 7000B Illed Edition Rev.1996.
16.	Mercury as Hg	<1.00	mg/kg	USEPA Method 7000B Illed Edition Rev.1996.
17.	Nickel as Ni	<1.00	mg/kg	USEPA Method 7000B Illed Edition Rev.1996.
18.	Selenium as Se	<1.00	mg/kg	USEPA Method 7000B Illed Edition Rev.1996.
19.	Zinc as Zn	64.00	mg/kg	USEPA Method 7000B Illed Edition Rev.1996.
20.	Potassium as K	144.00	mg/kg	USEPA Method 7000B Illed Edition Rev.1996.
21.	Cobalt as Co	<1.00	mg/kg	USEPA Method 7000B Illed Edition Rev.1996.

Note: Test results related only to the sample tested.

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Ananddeep Sawant
Analyzed by


Vishal Sannakki
Checked by


Vinayak Kudkar
Authorized Signatory



Sadekar Enviro Engineers Pvt. Ltd.

B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Betim Road, Bardez, Porvorim, Panaji-Goa-403 101.
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SAVE WATER
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ANALYSIS REPORT FOR WATER SAMPLE

Report No.	SEE/03/18/5230	Report Date	05/04/18
Name of Client	M/s. Imperium V		
Address of Client	Plot No. 43 & 44, EDC Patto Plaza, Panaji-Goa.		
Order / Reference	As per dated 31/03/18	Environmental Condition of Lab	Temp °C 30 Humidity % 57
Sampling point	Crick		
Sample details	Surface water	Date of collection	31/03/18
Sample Collected by	SEEPL Representative	Sample Received On	31/03/18
Analysis Started On	31/03/18	Analysis Completed On	05/04/18
Sample Container	PVC Can	Sample Quantity	3000 ml

Chemical Parameters

Sr. No.	Parameter	Result	Unit	Method
1.	pH	6.56	-	APHA(22 nd Edition) 4500 H+-B
2.	Taste	Agreeable	-	APHA(22 nd Edition) 2160 B
3.	Turbidity	1.50	NTU	APHA(22 nd Edition) 2130 B
4.	Colour	<1.00	Hazen unit	APHA(22 nd Edition) 2120 B
5.	Odour	Agreeable	-	APHA(22 nd Edition) 2150 B
6.	Total Alkalinity	64.00	mg/lit	APHA(22 nd Edition) 2320 B
7.	Total Dissolved Solids	960.00	mg/lit	APHA(22 nd Edition) 2540 C
8.	Chlorides as Cl -	344.34	mg/lit	APHA(22 nd Edition) 4500 Cl- B
9.	Sulphate as SO ₄ -	42.36	mg/lit	APHA(22 nd Edition) 4500 SO ₄ E
10.	Total Hardness as CaCO ₃	372.00	mg/lit	APHA(22 nd Edition) 2340 C


Uchita Dongare
Analysed by


Vishal Sannakki
Checked by




Vinayak Kudkar
Authorized Signatory

Report No.	SEE/03/18/5230	Report Date	05/04/18
Order / Reference	As per dated 31/03/18	Sample Received On	31/03/18
Analysis Started On	31/03/18	Analysis Completed On	05/04/18
Name of Client	M/s. Imperium V		

Metal Analysis

Sr. No.	Parameter	Result	Unit	Method
11.	Calcium as Ca	103.32	mg/lit	APHA(22 nd Edition) 3500 Ca
12.	Iron as Fe	1.45	mg/lit	APHA(22 nd Edition) 3120-B
13.	Magnesium as Mg	27.79	mg/lit	APHA(22 nd Edition) 3500 Mg
14.	Manganese as Mn	1.45	mg/lit	APHA(22 nd Edition) 3120-B
15.	Zinc as Zn	1.20	mg/lit	APHA(22 nd Edition) 3120-B

Note : Test results related only to the sample tested.

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: Calibration details of the equipments used in monitoring and / or analysis is back side of analysis report.


Uchita Dongare
Analysed by


Vishal Sannakki
Checked by




Vinayak Kudkar
Authorized Signatory

as a result locals don't want to work in this function."

This shows that there are a number of jobs which Goans don't prefer. Similarly, there are a number of vacancies which are impossible to fill from the talent pool available in Goa.

Kamath added, "For technical staff of a pharmaceutical company's operations, we require PhDs, and they aren't available in Goa. So, we have to source them from other states."

Bhakta's and Kamath's comments, put together, show that for both skilled and unskilled jobs, there is a lack of human resources in Goa. What sense will it make, then, to reserve 80 per cent jobs in private sector for Goans?

Let us assume, for a second, that the State government is serious about making 80 per cent Goans in the private sector mandatory. From a practical viewpoint, it would then be extremely important that the education system pro-

Goa. Only 2-3 IT companies end up taking pretty much all engineering graduates who can work in this sector."

Sources indicate the count of computer science, electronics and IT engineers passing out every year in Goa stands at around 1,000. The State government intends to create an IT park in Chimbol, which means it will attract a number of IT companies.

Those companies, in turn, will attract a large number of employees from other parts of India. Otherwise, the dreams of creating an IT park will never materialise. Besides, it is Goa's history that some of its most edu-

eration for their people, then how will Goans, who go out of Goa in huge numbers to search employment, find a job?"

Moreover, there are sectors within Goa which have a very high number of people from outside of Goa. A case in point is tourism as it has a huge number of non-Goans, from India and outside India, working in the state.

PUBLIC NOTICE

This is for information of general public that M/s Parsvath Developers PoA through M/s Gera Developments Pvt. Ltd. has been granted Environmental Clearance for proposed construction project of commercial building - 'Imperium V' by State Environmental Impact Assessment Authority vide no. 3-181-2010/STE-DIR/07 dated 15th April, 2016.

This is published in accordance with Clause 13 of the above quoted environment clearance letter.

M/s Gera Developments Pvt. Ltd

LD AUCTION NOTICE

Registered Office: 2nd Floor Muthoot Chambers, Banerji Road, Kochi-682 018, Kerala, India. CIN: L55310KL1997PL1011900. Ph: +91 484 2396478, 2394712; Fax: +91 484 2396506. mails@muthootgroup.com, www.muthootgroup.com

(TIN: 3023111586)

ation of all concerned that Gold Ornaments pledged with under mentioned branches of the company, which were overdue for redemption and hence of repeated notices, will be auctioned at the concerned branches on 26/04/2016 at 10 AM

OLIM, (GOJ/4036), LMA, 1, 7, 8, 13, 16, 19, 29, 43, 45, 48, 54, 58, 77, 78, 85, 86, 89, 92, 93, 97, 98, 100, 101, 103, 108, 110, 112, 113, 114, 117, MAL, 34, 46, 112, 122, 128, 135, 137, 151, 154, 156, 159, 163, 172, 189, MBL, 96, MSL, 850, 867, 868, 906, 921, 1026, 1035, 1037, 1038, 1040, 1041, 1043, 1044, 1047, 1051, 1113, MXL, 134, 144, 151, CALANGUTE-GOA(4145), LMA, 10, 12, 18, 19, 20, 23, 24, 25, 26, 27, 28, 39, 44, 45, 46, 51, 52, 55, 58, 60, 61, 69, LMS, 3, 4, 8, MAL, 212, 219, 234, 237, 266, 269, 271, 290, 292, 298, 306, 309, 313, 323, 324, 325, MHL, 10, 11, MSL, 766, 767, MTL, 130, CURCHOREM, (GOJ/3676), LMA, 2, 9, 20, 70, 71, 72, 73, 81, MAL, 7, 85, 92, 112, 127, 155, 157, 173, 188, 198, 205, 228, 229, 231, 240, 252, 258, 273, 274, 275, 287, 290, MBL, 278, 298, MHL, 1, 2, 190, MTL, 202, 214, GOA, CUNCOLIM(3123), FBL, 1, 3, 8, LMA, 3, 4, 5, 17, 26, 28, 30, 31, 35, 38, 39, 41, 43, 44, 52, 53, 56, 61, 64, 70, 71, 74, 82, 85, 90, MAL, 290, 292, 298, 299, 301, 315, 322, 335, 339, 356, MBL, 804, MHL, 15, 16, MSL, 4045, 4514, 4516, 4547, 4556, 4581, 4593, 4594, 4600, 4601, 4611, 4615, 4619, 641, 4646, 4648, MTL, 879, 1048, MXL, 658, GOA, GOA(4472), LMA, 1, 2, 14, 15, 17, 23, 24, 25, 27, 29, 30, 31, 36, 42, 47, 53, 54, 55, 56, 60, 61, MAL, 5, 6, 3), LMA, 1, 4, 8, 18, 24, 27, 31, 35, 43, 57, 58, 61, 66, 70, 78, 81, 83, 86, 90, 91, 96, 99, 112, 114, 115, MAL, 68, 144, 160, 182, 214, 250, 252, 255, 256, 261, 301, 303, 304, 305, 310, 312, 313, 315, 320, 324, 326, 341, 344, 346, 347, 348, 349, 350, 355, 358, 367, 372, 376, 383, 386, 387, 299, MBL, 1225, 1226, 1265, 131, LMA, 21, MSL, 6812, 6888, 6930, 6931, 6947, 6950, 6951, 6952, 6953, 6954, 6955, 6956, 6957, 6959, 6961, 6964, 6966, 6968, 6971, 6972, 6973, 6975, 6976, 1516, 1518, 1541, 1561, 1574, 1592, 1697, 1702, 1706, 1764, 1769, 1773, 1775, 1776, 1777, 1780, 1786, MXL, 1227, 1438, 1445, 1473, 1491, 1500, 1548, 175, 178, 179, 182, 183, 184, 187, 190, 195, 202, 205, 207, MAL, 132, 314, 361, 404, 448, 449, 483, 536, 558, 577, 579, 583, 614, 641, 642, 644, 658, 660, 764, 776, 791, 793, 794, 804, 806, 815, 826, 827, 829, 832, 836, 844, 847, 852, 855, 857, 858, 859, 863, 875, 876, 877, 887, MBL, 468, MHL, 12, 25, 35, 37, 38, 628, 4631, 4637, 4641, 4642, 4647, 4649, 4656, 4660, 4661, 4662, 4663, 4669, 4671, 4673, 4674, 4675, 4676, 4678, 4679, 4684, 4685, MTL, 487, 488, 499, 501, MALBATH(3611), LMA, 30, 31, 57, 64, 65, 100, 123, 128, 139, 141, 143, 144, 148, 152, 156, 162, 167, 170, 178, 179, 181, 193, 196, 198, 200, 201, 207, 209, 217, 3, 251, 254, 271, 282, 283, 285, 286, 290, 295, 299, 304, 306, 307, 311, 316, 319, 327, 328, 329, 333, MAL, 23, 473, 475, 488, 607, 675, 781, 877, 880, 922, 930, 75, 1203, 1257, 1262, 1282, 1286, 1412, 1426, 1449, 1485, 1486, 1507, 1633, 1637, 1649, 1659, 1660, 1670, 1673, 1690, 1697, 1705, 1774, 1779, 1784, 1785, 204, 1805, 1807, 1814, 1827, 1841, 1843, 1854, 1856, 1874, 1878, 1892, 1893, 1894, 1899, 1897, 1900, 1902, 1916, 1921, 1923, 1928, 1929, 1939, 1942, 1948, 968, 1970, 1987, 1991, 1997, 2004, 2021, 2027, 2031, 2044, 2058, 2061, 2068, 2069, 2072, MBL, 919, 1017, 1106, MHL, 40, 41, 42, 60, 62, 63, MIL, 98, MSL, 591, 7716, 7720, 7721, 7732, 7742, 7747, 7750, 7752, 7753, 7755, 7757, 7758, 7761, 7762, 7763, 7765, 7766, 7767, 7768, 7769, 7770, 7771, 7777, 7778, 7779, 796, 7805, 7806, 7807, 7809, 7810, 7813, 7814, 7816, 7818, 7819, 7820, 7823, MTL, 1030, 1068, 1085, MXL, 825, 862, 876, NAVELEM, GOA(4431), LMA, 6, 7, 9, 84, 86, 88, 87, 101, 105, 111, 115, 116, 120, 124, 128, 130, 133, 136, 139, 142, 143, 146, 164, MAL, 24, 150, 184, 203, 216, 299, 359, 360, 381, 413, 414, 427, 471, 472, 480, 487, 488, 490, 501, 502, 504, 505, 509, 516, MIL, 7, MSL, 258, 341, 343, 349, MTL, 30, PANAJI-GOA(1941), FBL, 4, LMA, 1, 3, 7, 12, 34, 54, 61, 4, 95, 96, 98, 105, 107, 113, 118, 119, 122, 129, 131, 132, 138, 139, 144, 156, 157, 164, 165, 171, 172, 173, 174, 176, 177, 179, 184, 191, 193, 199, 203, 207, 247, 249, 250, 253, 254, 258, 260, 267, 268, 270, 271, 278, 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TISK-USGAD(4213), LMA, 24, 30, 37, 42, 44, 45, 4, 86, 87, 92, 100, 102, 105, 116, 121, 125, 143, 144, 145, 153, MAL, 68, 224, 245, 250, 297, 347, 441, 447, 466, 519, 580, 607, 611, 630, 635, 639, 656, 660, 719, 725, 726, 737, 750, 761, 768, 772, 782, 783, 788, 789, 790, 792, 793, 797, 798, 800, 801, 804, 805, 828, 829, 830, 837, 841, 848, 846, 848, 855, 858, MSL, MTL, 309, MXL, 361, VASCO-GOA(2610), LMA, 13, 19, 23, 33, 35, 43, 45, 48, 50, 70, 71, 78, 79, 81, 86, 94, 102, 104, 105, 111, 112, 113, 114, 115, 116, 118, 126, 179, 186, 189, 190, 192, 196, 201, 202, 217, 219, 227, 231, 236, 238, 241, 258, 269, 260, 264, 266, 271, 273, 274, 276, 278, 289, 291, 292, 293, 298, 306, 308, 329, 333, 334, 338, 339, MAL, 43, 124, 141, 170, 471, 511, 549, 599, 622, 655, 676, 703, 704, 722, 767, 886, 925, 926, 931, 938, 941, 946, 949, 950, 969, 983, 11, 1042, 1054, 1085, 1089, 1091, 1093, 1094, 1100, 1127, 1128, 1131, 1132, 1135, 1136, 1148, 1152, 1153, 1155, 1165, 1169, 1172, 1175, 1178, 1185, 1191, 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2809, 2810, 2811, 2812, 2813, 2814, 2815, 2816, 2817, 2818, 2819, 2820, 2821, 2822, 2823, 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833, 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843, 2844, 2845, 2846, 2847, 2848, 2849, 2850, 2851, 2852, 2853, 2854, 2855, 2856, 2857, 2858, 2859, 2860, 2861, 2862, 2863, 2864, 2865, 2866, 2867, 2868, 2869, 2870, 2871, 2872, 2873, 2874, 2875, 2876, 2877, 2878, 2879, 2880, 2881, 2882, 2883, 2884, 2885, 2886, 2887, 2888, 2889, 2890, 2891, 2892, 2893, 2894, 2895, 2896, 2897, 2898, 2899, 2900, 2901, 2902, 2903, 2904, 2905, 2906, 2907, 2908, 2909, 2910, 2911, 2912, 2913, 2914, 2915, 2916, 2917, 2918, 2919, 2920, 2921, 2922, 2923, 2924, 2925, 2926, 2927, 2928, 2929, 2930, 2931, 2932, 2933, 2934, 2935, 2936, 2937, 2938, 2939, 2940, 2941, 2942, 2943, 2944, 2945, 2946, 2947, 2948, 2949, 2950, 2951, 2952, 2953, 2954, 2955, 2956, 2957, 2958, 2959, 2960, 2961, 2962, 2963, 2964, 2965, 2966, 2967, 2968, 2969, 2970, 2971, 2972, 2973, 2974, 2975, 2976, 2977, 2978, 2979, 2980, 2981, 2982, 2983, 2984, 2985, 2986, 2987, 2988, 2989, 2990, 2991, 2992, 2993, 2994, 2995, 2996, 2997, 2998, 2999, 3000, 3001, 3002, 3003, 3004, 3005, 3006, 3007, 3008, 3009, 3010, 3011, 3012, 3013, 3014, 3015, 3016, 3017, 3018, 3019, 3020, 3021, 3022, 3023, 3024, 3025, 3026, 3027, 3028, 3029, 3030, 3031, 3032, 3033, 3034, 3035, 3036, 3037, 3038, 3039, 3040, 3041, 3042, 3043, 3044, 3045, 3046, 3047, 3048, 3049, 3050, 3051, 3052, 3053, 3054, 3055, 3056, 3057, 3058, 3059, 3060, 3061, 3062, 3063, 3064, 3065, 3066, 3067, 3068, 3069, 3070, 3071, 3072, 3073, 3074, 3075, 3076, 3077, 3078, 3079, 3080, 3081, 3082, 3083, 3084, 3085, 3086, 3087, 3088, 3089, 3090, 3091, 3092, 3093, 3094, 3095, 3096, 3097, 3098, 3099, 3100, 3101, 3102, 3103, 3104, 3105, 3106, 3107, 3108, 3109, 3110, 3111, 3112, 3113, 3114, 3115, 3116, 3117, 3118, 3119, 3120, 3121, 3122, 3123, 3124, 3125, 3126, 3127, 3128, 3129, 3130, 3131, 3132, 3133, 3134, 3135, 3136, 3137, 3138, 3139, 3140, 3141, 3142, 3143, 3144, 3145, 3146, 3147, 3148, 3149, 3150, 3151, 3152, 3153, 3154, 3155, 3156, 3157, 3158, 3159, 3160, 3161, 3162, 3163, 3164, 3165, 3166, 3167, 3168, 3169, 3170, 3171, 3172, 3173, 3174, 3175, 3176, 3177, 3178, 3179, 3180, 3181, 3182, 3183, 3184, 3185, 3186, 3187, 3188, 3189, 3190, 3191, 3192, 3193, 3194, 3195, 3196, 3197, 3198, 3199, 3200, 3201, 3202, 3203, 3204, 3205, 3206, 3207, 3208, 3209, 3210, 3211, 3212, 3213, 3214, 3215, 3216, 3217, 3218, 3219, 3220, 3221, 3222, 3223, 3224, 3225, 3226, 3227, 3228, 3229, 3230, 3231, 3232, 3233, 3234, 3235, 3236, 3237, 3238, 3239, 3240, 3241, 3242, 3243, 3244, 3245, 3246, 3247, 3248, 3249, 3250, 3251, 3252, 3253, 3254, 3255, 3256, 3257, 3258, 3259, 3260, 3261, 3262, 3263, 3264, 3265, 3266, 3267, 3268, 3269, 3270, 3271, 3272, 3273, 3274, 3275, 3276, 3277, 3278, 3279, 3280, 3281, 3282, 3283, 3284, 3285, 3286, 3287, 3288, 3289, 3290, 3291, 3292, 3293, 3294, 3295, 3296, 3297, 3298, 3299, 3300, 3301, 3302, 3303, 3304, 3305, 3306, 3307, 3308, 3309, 3310, 3311, 3312, 3313, 3314, 3315, 3316, 3317, 3318, 3319, 3320, 3321, 3322, 3323, 3324, 3325, 3326, 3327, 3328, 3329, 3330, 3331, 3332, 3333, 3334, 3335, 3336, 3337, 3338, 3339, 3340, 3341, 3342, 3343, 3344, 3345, 3346, 3347, 3348, 3349, 3350, 3351, 3352, 3353, 3354, 3355, 3356, 3357, 3358, 3359, 3360, 3361, 3362, 3363, 3364, 3365, 3366, 3367, 3368, 3369, 3370, 3371, 3372, 3373, 3374, 3375, 3376, 3377, 3378, 3379, 3380, 3381, 3382, 3383, 3384, 3385, 3386, 3387, 3388, 3389, 3390, 3391, 3392, 3393, 3394, 3395, 3396, 3397, 3398, 3399, 3400, 3401, 3402, 3403, 3404, 3405, 3406, 3407, 3408, 3409, 3410, 3411, 3412, 3413, 3414, 3415, 3416, 3417, 3418, 3419, 3420, 3421, 3422, 3423, 3424, 3425, 3426, 3427, 3428, 3429, 3430, 3431, 3432, 3433, 3434, 3435, 3436, 3437, 3438, 3439, 3440, 3441, 3442, 3443, 3444, 3445, 3446, 3447, 3448, 3449, 3450, 3451, 3452, 3453, 3454, 3455, 3456, 3457, 3458, 3459, 3460, 3461, 3462, 3463, 3464, 3465, 3466, 3467, 3468, 3469, 3470, 3471, 3472, 3473, 3474, 3475, 3476, 3477, 3478, 3479, 3480, 3481, 3482, 3483, 3484, 3485, 3486, 3487, 3488, 3489, 3490, 3491, 3492, 3493, 3494, 3495, 3496, 3497, 3498, 3499, 3500, 3501, 3502, 3503, 3504, 3505, 3506, 3507, 3508, 3509, 3510, 3511, 3512, 3513, 3514, 3515, 3516, 3517, 3518, 3519, 3520, 3