



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

No. AAI/RHQ/NR/ATM/NOC/2017/218/1158-1161.
ELEGANT IT SOLUTIONS PVT LTD

House No.-33B, Ward No.-01,
Mehrauli, New Delhi-110030

Date: 21-07-2017

Valid Upto: 20-07-2022

No Objection Certificate for Height Clearance

1. This NOC is issued by Airports Authority of India (AAI) in pursuance of responsibility conferred by and as per the provisions of Govt. of India (Ministry of Civil Aviation) order GSR751 (E) dated 30th Sep. 2015 for Safe and Regular Aircraft Operations.

2. This office has no objection to the construction of the proposed structure as per the following details:

NOC ID :	SAFD/NORTH/B/071117/231177
Applicant Name*	Abhishek Kumar Gupta
Site Address*	ELEGANT IT SOLUTIONS PVT LTD, PLOT NO. 06, SECTOR KP-5, GREATER NOIDA, TUSIYANA, Gautam Buddha Nagar, Uttar Pradesh
Site Coordinates*	77 28 44.44-28 33 07.68, 77 28 48.71-28 33 02.54, 77 28 53.04-28 33 09.16, 77 28 57.22-28 33 15.56, 77 29 01.37-28 33 10.59,
Site Elevation in mtrs AMSL as submitted by Applicant*	208.1 M
Permissible Top Elevation in mtrs Above Mean Sea Level(AMSL)	313.1 M

*As provided by applicant

3. This NOC is subject to the terms and conditions as given below:

a. Permissible Top elevation has been issued on the basis of Site coordinates and Site Elevation submitted by Applicant. AAI neither owns the responsibility nor authenticates the correctness of the site coordinates & site elevation provided by the applicant. If at any stage it is established that the actual data is different, this NOC will stand null and void and action will be taken as per law. The office in-charge of the concerned aerodrome may initiate action under the Aircraft (Demolition of Obstruction caused by Buildings and Trees etc.) Rules, 1994"

b. The Structure height (including any superstructure) shall be calculated by subtracting the Site elevation in AMSL from the Permissible Top Elevation in AMSL i.e. Maximum Structure Height = Permissible Top Elevation minus (-) Site Elevation.

c. The issue of the 'NOC' is further subject to the provisions of Section 9-A of the Indian Aircraft Act, 1934 and any notifications issued there under from time to time including the Aircraft (Demolition of Obstruction caused by Buildings and Trees etc.) Rules, 1994.

d. No radio/TV Antenna, lighting arresters, staircase, Mumtee, Overhead water tank and attachments of fixtures of any kind shall project above the Permissible Top Elevation of 313.1 M, as indicated in para 2.

Page 1/2

राजीव गांधी भवन
Rajiv Gandhi Bhawan

सफदरजंग हवाई अड्डा नई दिल्ली-110003
Safdarjung Airport, New Delhi-110003

दूरभाष : 24632950
Phone: 24632950



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

- e. Only use of oil fired or electric fired furnace is permissible, within 8 KM of the Aerodrome Reference Point.
- f. The certificate is valid for a period of 5 years from the date of its issue. If the construction of structure/Chimney is not commenced within the period, a fresh 'NOC' from the Designated Officer of Airports Authority of India shall be obtained. However, if construction work has commenced, onetime revalidation request, for a period not exceeding 8 years from the date of issue of NOC in respect of building/structure and for a period not exceeding 12 years from the date of issue of NOC in respect of chimney, may be considered by AAI. The date of completion of the Structure should be intimated to this office.
- g. No light or a combination of lights which by reason of its intensity, configuration or colour may cause confusion with the aeronautical ground lights of the Airport shall be installed at the site at any time, during or after the construction of the building. No activity shall be allowed which may affect the safe operations of flights
- h. The applicant will not complain/claim compensation against aircraft noise, vibrations, damages etc. caused by aircraft operations at or in the vicinity of the airport.
- i. Day markings & night lighting with secondary power supply shall be provided as per the guidelines specified in chapter 6 and appendix 6 of Civil Aviation Requirement Series 'B' Part I Section 4, available on DGCA India website: www.dgca.nic.in
- j. The applicant is responsible to obtain all other statutory clearances from the concerned authorities including the approval of building plans. This NOC for height clearances is to ensure the safe and regular aircraft operations and shall not be used as document for any other purpose/claim whatsoever, including ownership of land etc.
- k. This NOC has been issued w.r.t. the Civil Airports. Applicant needs to seek separate NOC from Defence, if the site lies within their jurisdiction.
- l. In case of any discrepancy/interpretation of NOC letter, English version shall be valid.
- m. In case of any dispute w.r.t site elevation and/or AGL height, top elevation in AMSL shall prevail.

Chairman NOC Committee

Region Name: NORTH

Address: General Manager Airports
Authority of India, Regional
Headquarter, Northern Region,
Operational Offices, Gurgaon
Road, New Delhi-110037

Email ID: noc_nr@aai.aero

Contact No: 011-25653551

कार्यालय

संयुक्त निदेशक

फायर सर्विस

मुख्यालय

उ०प्र० लखनऊ।

पत्रांक: 156/जे०डी०/फा०रा०/लखनऊ-17(गौ०)/371

दिनांक: अगस्त

8 2017.

सेवा में,

महाप्रबन्धक, (वारतु एवं नियोजन)

ग्रेटर नौएडा प्राधिकरण,

जनपद-गौतमबुद्धनगर।

विषय:

मैसर्स एलीमेंट आईटी० सोल्यूशन्स प्रा०लि०, द्वारा प्लॉट न०-06, नॉलेज पार्क-05, ग्रेटर नौएडा जनपद गौतमबुद्धनगर में प्रस्तावित कार्यालय एवं आवासीय भवन के निर्माण हेतु मानचित्रों की स्वीकृति हेतु प्रोवीजनल अग्निशमन अनापत्ति प्रमाण पत्र का निर्गत किये जाने के सम्बन्ध में।

सन्दर्भ:

यूआईडी:2017/33155/जीबीएन/गौतमबुद्धनगर/7183/जे०डी०

महोदय,

कृपया उपरोक्त विषयक आवेदक द्वारा अपने आवेदन पत्र के माध्यम से मानचित्र संलग्न कर प्रोवीजनल अनापत्ति प्रमाण पत्र निर्गत किये जाने हेतु मुख्य अग्निशमन अधिकारी गौतमबुद्धनगर से अनुरोध किया गया है।

उक्त के अनुपालन में अग्निशमन अधिकारी ईकोटेक-03 ग्रेटर नौएडा श्री शेषनाथ यादव से मानचित्रों का परीक्षण कराया गया तथा उनके द्वारा अपनी संस्तुति आख्या दिनांक: 03-08-2017 मुख्य अग्निशमन अधिकारी गौतमबुद्धनगर श्री अरुण कुमार सिंह को प्रेषित की गयी जिसका उनके द्वारा परीक्षण कर अपनी संस्तुति आख्या दिनांक: 05-08-2017 उपनिदेशक, फायर सर्विस मेरठ परिक्षेत्र श्री अमन शर्मा को उपलब्ध तथा उनके द्वारा सुसंगत मानकों के अनुसार परीक्षण कर अपनी संस्तुति आख्या दिनांक: 05-08-2017 मय पत्रावली सहित इस कार्यालय को उपलब्ध करायी गयी जिसका सुसंगत मानकों के अनुसार परीक्षण किया गया विवरण निम्नवत है:-

भवन की संरचना:-

1-कुल भूखण्ड एरिया-80,961.18 वर्ग मी० है।

2-भूतल कवर्ड एरिया-1105.17 वर्ग मी०।

क०स०	नाम ब्लॉक/भवन	संख्या	तलों की संख्या	प्रस्तावित भूतल कवर्ड एरिया वर्ग मी०।	स्टेयर की संख्या एवं चौड़ाई	ऊँचाई मीटर में
1	टाईप-ए ब्लॉक आईटी 1 से 4 व 8 से 11	08	भूतल/सिल्ट+4 प्रत्येक	1113.70 प्रत्येक	02 अदद-1.5 मीटर प्रत्येक	14.70
2	आईटी ब्लॉक-5 व 7	02	भूतल+10 प्रत्येक	1120.049 प्रत्येक	03 अदद-1.5 मीटर प्रत्येक	36.75
3	आवासीय ब्लॉक-6	01	भूतल+5	1210.070	03 अदद-1.5 मीटर	15.45
4	हाउसिंग टाईप-ए०	01	भूतल+1	0624.927		6.3

बेसमेंट एरिया-32890.87 वर्ग मी०।

भवन का अधिभोग विवरण:- प्रश्नगत भवन का अधिभोग एन०बी०सी०-2016 के मिक्स आकूपेन्सी (आवासीय/एसेम्बली एवं कार्यालय) भवन श्रेणी के अन्तर्गत वर्गीकृत किया गया है।

ग-ढाचागत व्यवस्था:-

1-पहुँच मार्ग:- भूखण्ड के सामने मानचित्रों में 24 मी० रोड की चौड़ाई अंकित की गई है। तथा दूसरी तरफ भी 24 मी० रोड है।

2-प्रवेश द्वार:- प्रश्नगत भवन में 02 प्रवेश द्वार जिनकी चौड़ाई 06.00 मी० एन०बी०सी० मानक के अनुसार प्राविधानित है।

3-सैटबैक:- प्रस्तावित भवन का सैटबैक निम्नवत है:-

ए०-अग्रभाग-136.80 मी०।

बी०-पृष्ठ भाग-12.00 मी०।

सी०-पार्श्व भाग प्रथम-12.00 मी०।

डी०-पार्श्व भाग द्वितीय-12.00 मी० प्रस्तावित है।

उपरोक्तानुसार प्रश्नगत भवन के सैटबैक भवन नौएडा भवन विनियमावली के अनुसार है, जिनको अग्निशमन वाहनों की आवश्यकताओं हेतु भवन के चारों ओर-06-06 मी० मोटरबुल हार्ड मार्ग उपलब्ध रखा जाना अनिवार्य होगा। जो सदैव अवरोध मुक्त रखे जाये जिसमें किसी प्रकार का स्थाई/अस्थायी निर्माण कार्य एवं पार्किंग अनुमत्य नहीं होगी।

4-निकास मार्ग:- प्रश्नगत भवन तालिकानुसार प्रस्तावित है, तथा समस्त स्टेयरकेस एनक्लोजर सहित फायर चैक डोर एवं अन्य ओपनिंग 02 घण्टे तापरोधी क्षमता की निर्मित की जानी अनिवार्य होगी स्टेयर नैचुरली वेंटीलेटिड रखी जाये एवं प्लोर के समस्त स्थानों से ट्रेवलिंग डिस्टेंस अधिकतम अनुमत्य सीमा के अन्तर्गत है।

5-रिपयूज एरिया:- प्रश्नगत भवन में रिपयूज एरिया हेतु बालकनी मानकों के अनुसार प्राविधानित है।

(अरविन्द कुमार)
संयुक्त निदेशक, फायर सर्विस
उ०प्र० लखनऊ

घ-अग्निशमन सुरक्षा व्यवस्था- नेशनल बिल्डिंग कोड ऑफ इण्डिया-2016 के अनुसार निम्नांकित अग्निशमन व्यवस्थाएँ प्राविधानित हैं।

- 1-होजरील/डाउनकमर- प्रस्तावित भवन में प्रत्येक तल पर होजरील डाउनकमर लैंडिंग वाल्व, मय होजरील एवं होज बाक्स, व साधारण ब्रान्च पाइप का प्राविधान मानकों के अनुसार प्राविधानित है।
 - 2-भूमिगत टैंक- 02 अदद भूमिगत टैंक 2,00,000 दो लाख ली०, क्षमता के नेशनल बिल्डिंग कोड ऑफ इण्डिया के अनुसार स्थापित कराया प्राविधानित है।
 - 3-पम्पस- प्रत्येक अप्पर ग्राउण्ड टैंक के पास 2850 एल०पी०एम० क्षमता के 02 अदद विद्युत चालित मेन पम्प, डीजल चालित पम्प 2850 एल०पी०एम० क्षमता, एवं 02 अदद जौकी पम्प 180 एल०पी०एम०, क्षमता के मानकों के अनुसार स्थापित कराया जाना प्राविधानित है।
 - 4-टैरिस टैंक- प्रस्तावित भवन की टैरिस पर टैरिस टैंक क्षमता 20,000 हजार ली० एन०बी०सी० मानकों के अनुसार प्राविधानित है।
 - 5-टैरिस पम्प- प्रस्तावित भवन में एन०बी०सी० मानकों के अनुसार वॉच्छनीय नहीं है।
 - 6-वैटराइजर- प्रस्तावित भवन में वैटराइजर सिस्टम एन०बी०सी० मानकों के अनुसार प्राविधानित है।
 - 7-यार्ड हाइड्रैण्टस- प्रस्तावित सम्पूर्ण भवन परिसर में रिंग लाइन यार्ड हाइड्रैण्टस होज कैबिनेट एवं उसमें डिलीवरी होज तथा ब्रान्च पाइप एवं फायर सर्विस इन्लेट का एन०बी०सी० एवं उसमें रान्दगीत बी०आई०एस० मानकों के अनुसार प्राविधानित है।
 - 8-आटोमेटिक रिप्रकलर सिस्टम- आईटी टाइप-ए के अतिरिक्त शेष भवन में आटोमेटिक रिप्रकलर सिस्टम एन०बी०सी० मानकों के अनुसार प्राविधानित है।
 - 9-आटोमेटिक डिटेक्शन एण्ड एलार्म सिस्टम- आईटी टाइप-ए प्रस्तावित सम्पूर्ण भवन में आटोमेटिक डिटेक्शन एण्ड एलार्म सिस्टम सिस्टम एन०बी०सी० मानकों के अनुसार प्राविधानित है।
 - 10-मैन्युअली आपरेटिड इलैक्ट्रिक फायर एलार्म सिस्टम- प्रस्तावित सम्पूर्ण भवन में मैन्युअल आपरेटिड इलैक्ट्रिक फायर एलार्म सिस्टम एन०बी०सी० मानकों के अनुसार प्राविधानित है।
 - 11-प्राथमिक अग्निशमन उपकरण (फायर एक्सटिंग्यूशर)- प्रस्तावित भवन में निर्माण के उपरान्त फायर एक्सटिंग्यूशर आई०एस०-2190 के अनुसार वॉच्छनीय हैं।
 - 12-स्मोक एक्स्ट्रैक्शन सिस्टम- प्रश्नगत भवन में स्मोक एक्स्ट्रैक्शन सिस्टम की व्यवस्था एन०बी०सी० मानकों के अनुसार स्थापित कराया जाना वॉच्छनीय है।
 - 13-प्रेशराइजेशन सिस्टम- प्रश्नगत भवन के स्टेयरकेस को नैचुरली वेंटीलेटिड रखा जाना अनिवार्य है।
 - 14-पी०ए० सिस्टम- प्रश्नगत भवन में पी०ए० सिस्टम एन०बी०सी० मानकों के अनुसार वॉच्छनीय है।
 - 15-एग्जिट साईनेज- प्रस्तावित भवन में निर्माण के उपरान्त एग्जिट साईनेज स्थापित कराये जाने अनिवार्य होंगे।
 - 13-प्रश्नगत भवन में इमरजेन्सी/रकेप लाईटिंग एन०बी०सी०-2005 पार्ट-4 में उल्लेखित प्राविधानों के अनुसार कराया जाना आवश्यक होगा।
 - 14-भवन में निर्माण के पश्चात व उपयोग से पूर्व भवन में अधिष्ठापित अग्निशमन प्रणाली के कुशल संचालन व सदैव कार्यशील बनाये रखने हेतु एन०बी०सी० पार्ट-4 के प्रसार सी०-5,सी०-6,सी०-7,सी०-8 एवं सी०-9 में उल्लेखित मानकों का पालन अनिवार्य होगा।
- अतः उपरोक्तानुसार संस्तुति आख्याओं के आधार पर प्रश्नगत भवन में मैसर्स एलीगेन्ट आई०टी० सोल्यूशन्स प्रा०लि०, द्वारा प्लॉट न०-06, सेक्टर नॉलेज पार्क-05, ग्रेटर नौएडा जनपद गौतमबुद्धनगर में प्रस्तावित आवासीय/कार्यालय भवन के निर्माण हेतु प्रोवीजनल अग्निशमन अनापत्ति प्रमाण पत्र इस शर्त के साथ निर्गत किया जाता है कि आवेदक द्वारा भवन/इकाई में अग्नि से सुरक्षा सम्बन्धी सभी प्राविधान भवन निर्माण एवं विकास उपविधि-2008 तथा नेशनल बिल्डिंग कोड ऑफ इण्डिया-2016 में उल्लेखित मानकों के अनुसार कराये जायेंगे तथा भवन के निर्माणोपरान्त भवन का प्रयोग करने से पहले भवन में अग्नि से सुरक्षा व्यवस्थायें मानकों के अनुसार स्थापित कर उनका निरीक्षण/परीक्षण अग्निशमन विभाग से कराकर स्थाई अग्निशमन अनापत्ति प्रमाण पत्र प्राप्त किया जायेगा अन्यथा निर्गत किया जा रहा भवन निर्माण हेतु अस्थाई अनापत्ति प्रमाण पत्र स्वतः ही निरस्त समझा जायेगा।

संलग्नक:अनुमोदित मानचित्र।

(असिफ कुमार)
संयुक्त निदेशक, पञ्जाब
30/07/2024

प्रतिलिपि:1-उपनिदेशक, फायर सर्विस मेरठ परिक्षेत्र को अनुपलनार्थ।

- 2-मुख्य अग्निशमन अधिकारी गौतमबुद्धनगर को सूचनार्थ एवं इस निर्देश के साथ की विलम्बतम 24 घण्टे में फायर सर्विस की वेबसाइट पर अपलोड कर तथा आवेदक को सम्बन्धित प्रति उपलब्ध कराना सुनिश्चित करें।
- 3-अग्निशमन अधिकारी इकाई-03 ग्रेटर नौएडा जनपद गौतमबुद्धनगर को अनुपलनार्थ।
- 4-मैसर्स एलीगेन्ट आई०टी० सोल्यूशन्स प्रा०लि०, द्वारा प्लॉट न०-06, सेक्टर नॉलेज पार्क-05, ग्रेटर नौएडा जनपद गौतमबुद्धनगर को उक्त के सन्दर्भ में अनुपलनार्थ।

Ref No: 2017 / 1977

Dated 11.07.2017

Proof checking of submission drawings and design of **Proposed IT-ITES park project** situated at Plot No. - 06, Knowledge Park -5, Greater Noida(West), Uttar Pradesh for *Elegant I T Solutions Private Limited*.

The submission drawings and designs submitted by **KONCEPT DESIGN CONSORTIUM PVT. LTD.,** for **Proposed IT-ITES park project** situated at Plot No. -06, Knowledge Park -5, Greater Noida (West), Uttar Pradesh with the following details:

Pradesh with the following details:

GALACTIC CITY - PHASE 1							
AREA STATEMENT - AS PER SUBMISSION DRAWINGS							
	1T (S+4)	1T (B+G+10)	1T (B+G+10)	HOUSING(B+G+5)	HOUSING(G+1)	BLOCK 1-9	
		BLOCK 1-4, 8-11	BLOCK 5	BLOCK 7	BLOCK 6	BLOCK 1-9	
		TYPE A					
	S+4	G+10	G+10	G+5	G+1		
	SOM	SOM	SOM	SOM	SOM		
MUNITY							
10		976.09	976.09				
9		976.09	976.09				
8		976.09	976.09				
7		976.09	976.09				
6		976.09	976.09				
5		976.09	976.09				
4		816.75	976.09	1021.29			
3		816.75	976.09	1021.29			
2		816.75	976.09	1021.29			
1		816.75	976.09	1123.40	73.55		
			985.17	1159.08	69.44		
GROUND / STLT	TOTAL FAR	FOR ONE BLOCK	P	3267.00	10746.06	10746.06	6367.64
NOS. OF SIMILAR BLOCKS	TOTAL FAR		T	8	1	1	9
TOTAL FAR	FOR ALL BLOCKS	P x T	28136.00	10746.06	10746.06	6367.64	1286.89
55282.66							

Standards. All the stipulated combination of loads (static and dynamic) in vertical and lateral direction has been checked and found to be conforming to relevant Codes of practice as per the latest Indian Standards. The design and drawings has been incorporated in the analysis and design. The design and drawings has been checked and found to be satisfactory for seismic zone IV. Hence they are approved.

Dr. Khalid Moin

(Professor)

Professor

Deptt. of Civil Engineering
F/O Engineering & Technology
Jamia Millia Islamia
New Delhi-110025

New Delhi-110025

State Level Environment Impact Assessment Authority, Uttar Pradesh

Directorate of Environment, U.P.

Vineet Khand-1, Gomti Nagar, Lucknow - 226 010

Phone : 91-522-2300 541, Fax : 91-522-2300 543

E-mail : doeuplko@yahoo.com

Website : www.seiaaup.in

Uploaded on
www.seiaaup.in

To,

Shri Rishabh Jain,
Director,
M/s Elegant IT solutions Pvt. Ltd.,
T-9, Green Park Extension,
New Delhi- 110016.

Ref. No. 283/Parya/SEAC/3854/2017

Date: 31 March, 2018

Sub: Environmental Clearance for IT, ITES PARK "Galactic City" Plot No. 06, Knowledge Park-V, Greater Noida, U.P. Regarding.

Dear Sir,

Please refer to your application/letters 11-12-2017, 24-01-2018 & 22-02-2018 addressed to the Secretary, State Level Expert Appraisal Committee (SEAC) and Director, Directorate of Environment Govt. of UP on the subject as above. A presentation was made by the representative of the project proponent along with their consultant M/s GRC India Pvt. Ltd, in the SEAC meeting dated 24-02-2018.

The Project proponent, through documents (submitted to SEAC) and presentation made during meeting, has informed to the SEAC that:-

- 1- The environmental clearance is sought for IT, ITES PARK "Galactic City" Plot No. 06, Knowledge Park-V, Greater Noida, U.P.
- 2- The total plot area measures 80,961.18 m² (20 acre), which will be developed in two phases.
- 3- Phase-1 has plot area 58,362.36 m² (14.42 acre) and built-up area 81,695.91 m² for which EC is being sought.
- 4- Salient features :-

S. No.	DESCRIPTION	DETAILS
1.	Location	Khasra nos. 1091 (Part) 1092 (Part), Village Morta, Pargana Jalalabad, Ghaziabad, U.P.
2.	Total Plot Area	80,961.18 m ² Phase 1 = 58,362.36 m ²
3.	Built-Up Area	Phase 1 = 81,695.91 m ²
4.	Estimated Population	6534 persons (fixed + floating)
5.	Water Requirement	385 KLD
6.	Solid Waste	1272 kg/day
7.	Electricity load	6640 kVA; Source: State Electricity Board
8.	Power back-up	11 DG Sets (4 x 1010 + 4 x 750 + 1x 180 + 2 x 320 kVA capacity) out of which 4 will be stand by (1 x 750+ 1 x 180 + 2 x 320 kVA capacity)
9.	Rain Water Harvesting Pits	12
10.	Parking Required Parking Proposed	1111 ECS (Bye-laws) 1055 ECS (MoEFCC norms) 1754 ECS

5- DETAILED AREA STATEMENT (Phase 1)

S. No.	PARTICULARS	AREA (sq.m.)
1.	Total Plot area	80,961.18
2.	Plot area for Phase 1	58,362.36
3.	Permissible Ground Coverage @ 30%	24,288.35

4.	Proposed Ground Coverage @ 13.68 for Phase 1	11,074.25
5.	Permissible F.A.R @ 1.875	1,51,802.21
6.	Proposed F.A.R for Phase 1	55,524.83
7.	Permissible Service area @ 15	22,770.33
8.	Proposed Service area for Phase 1	8309.45
9.	Podium and Stilt area	1897.63
10.	Basement area	15,883.00
11.	Total Built-up area for Phase 1 (6+8+9+10)	81,695.91
12.	Open area (@70% of Plot area)	56,672.82
13.	Total Green area required (@50% of Net Open area)	28,336.41
14.	Total Green area proposed (@52% of Net Open area)	29,511.56
15.	Green area proposed for Phase I	20,926.25

6- POPULATION DETAILS

S. No.	Description	FAR (m ²)/DU	PPU/No. persons/m ²	of	Total Population
1.	Residents Staff: - Commercial facilities (Ground floor) - Institutional Services - IT facilities	114 DU 3194.96 m ² 1224.62 m ² 45657.78 m ²	4.5 persons/DU 3 sqm/person 15 sqm/person 10 sqm/person		513 1064 81 4565
Sub-Total					6223
2.	Visitors	239.037	@5%		311
GRAND TOTAL					6534

7- CALCULATION OF DAILY WATER DEMAND

S. No.	Description	Area (m ²)	Occupancy	Rate of water demand (lpcd)	Total Water Requirement (KLD)
A.	Residents		513	135	61.2
B.	Commercial facilities (Staff)		1064	45	47.8
C.	Institutional service (Staff)		81	45	3.6
D.	IT facilities (Staff)		4565	45	205.4
E.	Visitors		311	15	4.6
Domestic water requirement				323 KLD	
F.	Horticulture	20,926 m ²		3l/sqm	62
TOTAL WATER REQUIREMENT				385 KLD	

8- Waste Water Calculation (For Residential facilities)

Domestic Water Requirement	61 KLD
• Fresh (@ 70% of domestic)	42.7 KLD
• Flushing (@ 30% of domestic)	18.3 KLD
Wastewater (@ 80% fresh + 100% flushing)	52 KLD

9- Waste Water Calculation (For Commercial/Institutional Service/IT facilities)

Domestic Water Requirement	261 KLD
• Fresh (@ 30% of domestic)	78 KLD
• Flushing (@ 70% of domestic)	182 KLD
Wastewater (@ 80% fresh + 100% flushing)	244 KLD

10- RUN-OFF CALCULATION

Area	Area (m ²)	Coefficient of run-off	Peak hourly rainfall intensity (mm)	Rain harvesting potential/hour (m ³)
Roof-top area	11,074.25	0.8	0.045	398.67 m ³ /hr
Green area	20,926.25	0.1	0.045	94.16 m ³ /hr
Paved area	26,361.39	0.7	0.045	830.39 m ³ /hr
Total Runoff Load = 301.04 m³/hr				
Taking 15 minutes retention time, total volume of storm water will be = 1323 /4				330.75 m ³
Volume of a single Recharge pit = $\pi r^2 h = 3.14 \times 1.5 \times 1.5 \times 4.0$				28.26 m ³
Hence No. of pits required In approx = Run-off/Volume of Recharge pit				330.75/28.26 =12 pits
14 recharge pits are proposed for rain water harvesting				

11- SOLID WASTE (OPERATION PHASE)

S. No.	Category	Kg/capita/day	Waste generated (kg/day)
1.	Residents (513)	@ 0.5	256
2.	Commercial facilities (1064)	@ 0.25	266
3.	IT facilities (4565)	@ 0.15	684
4.	Institutional service (81)	@ 0.25	20
5.	Visitors (311)	@ 0.15	46
	Total Solid Waste		1272

12- PARKING DETAILS :-

Parking Required:

S.No.	Particulars	Area Per ECS (Sq.m)	FAR (Sq.m)	ECS
1	Residential	80	5447.47	68
2	Commercial	30	3194.96	106
3	Institutional Services	50	1224.62	24
4	IT	50	45657.78	913
Total required parking				1111

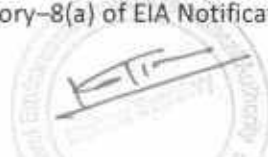
Proposed Parking:

S.No	Space	Area (m ²)	ECS/(m ²)	ECS NOS.
1	Under Podium	1036.0	30	35
2	Basement(Stacked Parking)	15883	16	992
4	Silt area in IT block	961.63	30	29
5	Open area in IT block	761.11	20	38
6	Open area for surface parking	13209.11	20	660
Total parking proposed				1754

Total parking proposed = 1754 ECS

13- Green area measures 20,926.25 sq. m. (35.85% of plot area under phase I).

14- The project proposal falls under category-8(a) of EIA Notification, 2006 (as amended).



Based on the recommendations of the State Level Expert Appraisal Committee Meeting (SEAC) held on 24/02/2018 the State Level Environment Impact Assessment Authority (SEIAA) in its Meeting held on 07/03/2018 decided to grant the Environmental Clearance for proposed project along with subject to the effective implementation of the following general and specific conditions:-

General Conditions:

1. It shall be ensured that all standards related to ambient environmental quality and the emission/effluent standards as prescribed by the MoEF are strictly complied with.
2. It shall be ensured that obtain the no objection certificate from the U P pollution control board before start of construction.
3. It shall be ensured that no construction work or preparation of land by the project management except for securing the land is started on the project or the activity without the prior environmental clearance.
4. The proposed land use shall be in accordance to the prescribed land use. A land use certificate issued by the competent Authority shall be obtained in this regards.
5. All trees felling in the project area shall be as permitted by the forest department under the prescribed rules. Suitable clearance in this regard shall be obtained from the competent Authority.
6. Impact of drainage pattern on environment should be provided.
7. Surface hydrology and water regime of the project area within 10 km should be provided.
8. A suitable plan for providing shelter, light and fuel, water and waste disposal for construction labour during the construction phase shall be provided along with the number of proposed workers.
9. Measures shall be undertaken to recycle and reuse treated effluents for horticulture and plantation. A suitable plan for waste water recycling shall be submitted.
10. Obtain proper permission from competent authorities regarding enhanced traffic during and due to construction and operation of project.
11. Obtain necessary clearances from the competent Authority on the abstraction and use of ground water during the construction and operation phases.
12. Hazardous/inflammable/Explosive materials likely to be stored during the construction and operation phases shall be as per standard procedure as prescribed under law, Necessary clearances in this regards shall be obtained.
13. Solid wastes shall be suitably segregated and disposed. A separate and isolated municipal waste collection center should be provided. Necessary plans should be submitted in this regards.
14. Suitable rainwater harvesting systems as per designs of groundwater department shall be installed. Complete proposals in this regard should be submitted.
15. The emissions and effluents etc. from machines, Instruments and transport during construction and operation phases should be according to the prescribed standards. Necessary plans in this regard shall be submitted.
16. Water sprinklers and other dust control measures should be undertaken to take care of dust generated during the construction and operation phases. Necessary plans in this regard shall be submitted.
17. Suitable noise abatement measures shall be adopted during the construction and operation phases in order to ensure that the noise emissions do not violate the prescribed ambient noise standards. Necessary plans in this regard shall be submitted.
18. Separate stock piles shall be maintained for excavated top soil and the top soil should be utilized for preparation of green belt.
19. Sewage effluents shall be kept separate from rain water collection and storage system and separately disposed. Other effluents should not be allowed to mix with domestic effluents.
20. Hazardous/Solid wastes generated during construction and operation phases should be disposed off as prescribed under law. Necessary clearances in this regard shall be obtained.
21. Alternate technologies for solid waste disposals (like vermin-culture etc.) should be used in consultation with expert organizations.
22. No wetland should be infringed during construction and operation phases. Any wetland coming in the project area should be suitably rejuvenated and conserved.
23. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Fully impermeable pavements shall not be constructed. Construction of pavements around trees shall be as

per scientifically accepted principles in order to provide suitable watering, aeration and nutrition to the tree.

24. The Green building Concept suggested by Indian Green Building Council, which is a part of CII-Godrej GBC, shall be studied and followed as far as possible.
25. Compliance with the safety procedures, norms and guidelines as outlined in National Building Code 2005 shall be compulsorily ensured.
26. Ensure usage of dual flush systems for flush cisterns and explore options to use sensor based fixtures, waterless urinals and other water saving techniques.
27. Explore options for use of dual pipe plumbing for use of water with different qualities such as municipal supply, recycled water, ground water etc.
28. Ensure use of measures for reducing water demand for landscaping and using xeriscaping, efficient irrigation equipments & controlled watering systems.
29. Make suitable provisions for using solar energy as alternative source of energy. Solar energy application should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. Present a detailed report showing how much percentage of backup power for institution can be provided through solar energy so that use and polluting effects of DG sets can be minimized.
30. Make separate provision for segregation, collection, transport and disposal of e-waste.
31. Educate citizens and other stake-holders by putting up hoardings at different places to create environmental awareness.
32. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
33. Prepare and present disaster management plan.
34. The project proponents shall ensure that no construction activity is undertaken without obtaining pre-environmental clearance.
35. A report on the energy conservation measures confirming to energy conservation norms finalized by Bureau of Energy efficiency should be prepared incorporating details about building materials and technology, R & U Factors etc.
36. Fly ash should be used as building material in the construction as per the provision of fly ash notification of September, 1999 and amended as on August, 2003 (The above condition is applicable only if the project lies within 100 km of Thermal Power Station).
37. The DG sets to be used during construction phase should use low sulphur diesel type and should conform to E.P. rules prescribed for air and noise emission standards.
38. Alternate technologies to Chlorination (for disinfection of waste water) including methods like Ultra Violet radiation, Ozonation etc. shall be examined and a report submitted with justification for selected technology.
39. The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous variety.
40. The construction of the building and the consequent increased traffic load should be such that the micro climate of the area is not adversely affected.
41. The building should be designed so as to take sufficient safeguards regarding seismic zone sensitivity.
42. High rise buildings should obtain clearance from aviation department or concerned authority.
43. Suitable measures shall be taken to restrain the development of small commercial activities or slums in the vicinity of the complex. All commercial activities should be restricted to special areas earmarked for the purpose.
44. It is suggested that literacy program for weaker sections of society/women/adults (including domestic help) and under privileged children could be provided in a formal way.
45. The use of Compact Fluorescent lamps should be encouraged. A management plan for the safe disposal of used/damaged CFLs should be submitted.
46. It shall be ensured that all Street and park lighting is solar powered. 50% of the same may be provided with dual (solar/electrical) alternatives.



47. Solar water heater shall be installed to the maximum possible capacity. Plans may be drawn up accordingly and submitted with justification.
48. Treated effluents shall be maximally reused to aim for zero discharge. Where ever not possible, a detailed management plan for disposal should be provided with quantities and quality of waste water.
49. The treated effluents should normally not be discharged into public sewers with terminal treatment facilities as they adversely affect the hydraulic capacity of STP. If unable, necessary permission from authorities should be taken.
50. Construction activities including movements of vehicles should be so managed so that no disturbance is caused to nearby residents.
51. All necessary statutory clearances should be obtained and submitted before start of any construction activity and if this condition is violated the clearance, if and when given, shall be automatically deemed to have been cancelled.
52. Parking areas should be in accordance with the norms of MOEF, Government of India. Plans may be drawn up accordingly and submitted.
53. The location of the STP should be such that it is away from human habitation and does not cause problem of odor. Odorless technology options should be examined and a report submitted.
54. The Environment Management plan should also include the break up costs on various activities and the management issues also so that the residents also participate in the implementation of the environment management plan.
55. Detailed plans for safe disposal of STP sludge shall be provided along with ultimate disposal location, quantitative estimates and measures proposed.
56. Status of the project as on date shall be submitted along with photographs from North, South, West and East side facing camera and adjoining areas should be provided.
57. Specific location along with dimensions with reference to STP, Parking, Open areas and Green belt etc. should be provided on the layout plan.
58. The DG sets shall be so installed so as to conform to prescribed stack heights and regulations and also to the noise standards as prescribed. Details should be submitted.
59. E-Waste Management should be done as per MoEF guidelines.
60. Electrical waste should be segregated & disposed suitably as not to impose Environmental Risk.
61. The use of suitably processed plastic waste in the construction of roads should be considered.
62. Displaced persons shall be suitably rehabilitated as per prescribed norms.
63. Dispensary for first aid shall be provided.
64. Safe disposal arrangement of used toiletries items in Hotels should be ensured. Toiletries items could be given complementary to guests, adopting suitable measures.
65. Diesel generating set stacks should be monitored for CO and HC.
66. Ground Water downstream of Rain Water Harvesting pit nearest to STP should be monitored for bacterial contamination. Necessary Hand Pumps should be provided for sampling. The monitoring is to be done both in pre and post monsoon, seasons.
67. The green belt shall consist of 50% trees, 25% shrubs and 25% grass as per MoEF norms.
68. A Separate electric meter shall be provided to monitor consumption of energy for the operation of sewage/effluent treatment in tanks.
69. An energy audit should be annually carried out during the operational phase and submitted to the authority.
70. Project proponents shall endeavor to obtain ISO: 14001 certification. All general and specific conditions mentioned under this environmental clearance should be included in the environmental manual to be prepared for the certification purposes and compliance.
71. Environmental Corporate Responsibility (ECR) plan along with budgetary provision amounting to 2% of total project cost shall be submitted (within the month) on need base assessment study in the study area. Income generating measures which can help in up-liftment of weaker section of society consistent with the traditional skills of the people identified. The program me can include activities such as old age homes, rain water harvesting provisions in nearby areas, development of fodder farm, fruit bearing orchards, vocational training etc. In addition, vocational training for individuals shall be imparted so that poor section of society can take up self employment and jobs. Separate budget for community

development activities and income generating programmers shall be specified. Revised ECR plan is to be submitted within 3 month. Failing which, the environmental Clearance shall be deemed to be cancelled.

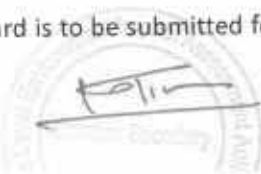
72. Appropriate safety measures should be made for accidental fire.
73. Smoke meters should be installed as warning measures for accidental fires.
74. Plan for safe disposal of R.O reject is to be submitted.

SPECIFIC CONDITIONS:

1. The project proponent shall submit within the next 3 months the details of solar power plant and solar electrification details within the project.
2. The project proponent shall ensure to plant broad leave trees and their maintenance. The CPCB guidelines in this regard shall be followed.
3. The project proponent shall submit within the next 3 months the details on quantification of year wise CSR activities along with cost and other details. CSR activities must not be less 2% of the project cost. The CSR activities should be related to mitigation of Environmental Pollution and awareness for the same.
4. The project proponent shall submit within the next 3 months the details of estimated construction waste generated during the construction period and its management plan.
5. The project proponent shall submit within the next 3 months the details of segregation plan of MSW.
6. The project proponent shall ensure that waste water is properly treated in STP and reused maximum for gardening, flushing system etc. For reuse of water for irrigation sprinkler and drip irrigation system shall be installed and maintained for proper function.
7. The project proponent will ensure that proper dust control arrangements are made during construction and proper display board is installed at the site to inform the public the steps taken to control air pollution as per the Construction and Demolition Waste Management Rules.
8. Solar energy to be used alternatives on the road and common places for illumination to save conventional energy.
9. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
10. 15% area of the total plot area shall be compulsorily made available for the green belt development including the peripheral green belt. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
11. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
12. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
13. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
14. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
15. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
16. Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings.
17. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 20016.
18. 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, creche and First Aid Room etc.



19. 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 wastewater and solid wastes generated during the construction phase should be ensured.
20. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
21. Bio medical waste management shall be followed as per the Bio-Medical Waste (Management and Handling) Rules, 2016. Special attention to be given for Mercury waste management and disposal.
22. Necessary permissions should be sought for use and safe disposal of radioactive materials. Procedural protocol prescribed by competent authority should be followed for the same.
23. Corporate Social Responsibility (CSR) phase wise plan along with budgetary provision amounting to 2% of the total project cost shall be prepared and approved by Board of Directors of the company. A copy of resolution as above shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted alongwith six monthly compliance reports.
24. No parking shall be allowed outside the project boundary.
25. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. 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.
26. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
27. For any extraction of ground water, prior permission from CGWA shall be taken.
28. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
29. 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.
30. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
31. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
32. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
33. The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
34. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
35. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
36. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
37. Convenient shops, bank, canteen, post office and medicine shops etc to be provided with in complex.
38. RWH to be done only from root top. Arrangement shall be made that waste water and storm water do not get mixed.
39. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.



40. Authorization certificate is to be obtained from Pollution Board and you cannot hold bio medical waste more than 24 hours.

41. All the internal drains are to be covered till the disposal point.

42. 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.

No construction/operation is to be started without obtaining Prior Environmental Clearance.

Concealing factual data and information or submission of false/fabricated data and failure to comply with any of the conditions stipulated in the Prior Environmental Clearance attract action under the provision of Environmental (Protection) Act, 1986.

This Environmental Clearance is subject to ownership of the site by the project proponents in confirmation with approved Master Plan for G.B.nagar. In case of violation; it would not be effective and would automatically be stand cancelled.

The project proponent has to ensure that the proposed site is not a part of any no- development zone as required/prescribed/identified under law. In case of the violation this permission shall automatically be deemed to be cancelled. Also, in the event of any dispute on ownership or land use of the proposed site, this Clearance shall automatically be deemed to be cancelled.

The project proponent has to mandatorily submit the compliance of specific conditions no- 1, 3, 4 & 5 given in E.C. letter within 3 months, failing which the Clearance shall automatically be deemed to be cancelled.

Further project proponent has to submit the regular 6 monthly compliance report regarding general & specific conditions as specified in the E.C. letter and comply the provision of EIA notification 2006 (as Amended).

These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006 including the amendments and rules made thereafter.



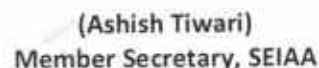
(Ashish Tiwari)
Member Secretary, SEIAA

No...../Parya/SEAC/3854/2017

Dated: As above

Copy with enclosure for Information and necessary action to:

1. The Principal Secretary, Department of Environment, Govt. of Uttar Pradesh, Lucknow.
2. Advisor, IA Division, Ministry of Environment, Forests & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi.
3. Additional Director, Regional Office, Ministry of Environment & Forests, (Central Region), Kendriya Bhawan, 5th Floor, Sector-H, Aliganj, Lucknow.
4. District Magistrate, G.B. Nagar.
5. The Member Secretary, U.P. Pollution Control Board, TC-12V, Paryavaran Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow.
6. Copy to Web Master/ guard file.



(Ashish Tiwari)
Member Secretary, SEIAA